Job Title: Electrical Design Engineer

Location: Sonipat, Haryana

Job Summary:

We are seeking a skilled Electrical Design Engineer to join our Engineering Procurement & Construction (EPC) team in the Power, Oil & Gas, Process and Production sectors. The successful candidate will be responsible for designing and developing electrical systems and equipment, ensuring they are in compliance with specifications, codes and customer requirements.

Key Responsibilities:

* Develop electrical designs for power, oil & gas, process and production projects, including single line diagrams, meter & relay coordination, load calculations, transformer and generator sizing, switchgear sizing and specifications, pump & motor sizing, cable & busbar sizing, cable tray & equipment layout, UPS & inverter battery sizing, lighting calculations, earthing & lightning protection calculation, among others.
* Prepare and review technical documentation such as project specifications, calculations, and reports.
* Coordinate with other engineering disciplines to ensure project deliverables meet customer requirements, budget, and timeline.
* Use software tools such as ETAP, AUTOCAD, HALUX, LUXICON, DILux, and Pvsys4.2.3 to design, model and analyze electrical systems.
* Provide technical support during the construction, installation and commissioning phases of projects.
* Conduct site surveys and inspections to identify electrical design requirements and troubleshoot issues.
* Mentor and train junior engineers or operational staff as required.
* Keep up-to-date with emerging technologies, hardware, software & applications in the field.

Qualifications and Skills:

* B.Tech. in Electrical Engineering or related field from a recognized university with at least 3-5 years of relevant work experience.
* Strong knowledge of electrical design engineering, including design principles, codes and regulations, and ability to perform manual calculations.
* Proficiency in electrical design software tools such as ETAP, AUTOCAD, HALUX, LUXICON, DILux, and Pvsys4.2.3.
* Excellent oral & written business communication, negotiation, time management, and leadership skills.
* Ability to work independently or as part of a team, take initiative, and prioritize tasks.
* Attention to detail, analytical skills, and logical approach to problem-solving.
* Must have a valid driving license and be willing to travel as required.

Personal Attributes:

* Self-motivated, enthusiastic and a quick learner.
* Calm under pressure and able to work in a fast-paced environment.
* Strong integrity, optimistic, proactive, hardworking, and a team player.
* Strong leadership, project, and people management skills.
* Drawing and training & mentoring skills are desirable.

If you meet the above qualifications and are excited about working on challenging EPC projects, we encourage you to apply for this position.