Supreme Petrochem Ltd
GLOBAL SUPPLIER OF STYRENICS

JOB DESCRIPTION

PROCESS CHEMICAL ENGINEER

Job Purpose:
To support process design, project execution, plant optimization, and commissioning activities while ensuring safe, efficient, and reliable operations in a petrochemical manufacturing environment.

Key Responsibilities:
- Support process engineering activities for new projects, plant modifications, and capacity enhancement.
- Prepare and review Process Flow Diagrams (PFDs), Piping & Instrumentation Diagrams (P&IDs), equipment layouts, equipment lists, and line lists.
- Perform process calculations including mass & energy balance, line sizing, reactor sizing, and pump selection.
- Coordinate with Mechanical, Civil, Instrumentation, and Production teams during project execution.
- Participate in HAZOP, process safety reviews, and risk assessments to ensure compliance with safety standards.
- Monitor project progress, vendor coordination, equipment inspection, installation, commissioning, and start-up activities.
- Prepare technical documentation, SOPs, engineering reports, and project-related documentation.
- Support process troubleshooting, optimization, and continuous improvement initiatives to enhance plant performance.
- Ensure timely completion of assigned projects while maintaining quality, safety, and cost objectives.

Qualifications:
- B.E./B.Tech in Chemical Engineering.

Skills & Competencies:
- Strong understanding of process engineering fundamentals and chemical plant operations.
- Knowledge of PFDs, P&IDs, process calculations, and equipment selection.
- Familiarity with process safety practices, HAZOP, and engineering standards.
- Proficiency in AutoCAD and MS Office; exposure to project planning tools will be an added advantage.
- Good analytical, problem-solving, communication, and cross-functional coordination skills.

Other Information:
- Experience: 3 to 4 years of experience in Process Engineering or Projects within the Petrochemical, Chemical, Polymer, or Refinery industry.
- Gender Preference: Male

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