

## JOB DESCRIPTION – LEAD ENGINEER

### RESPONSIBILITY

To ensure generation of Engineering design deliverables prepared with due diligence after appropriate consideration of client's requirement and comprehensive compliance with PLE's Quality Systems Procedure; to encourage a **First-Time-Right (FTR)** approach for preparation of design deliverables, per approved budget/schedule.

### ROLE PURPOSE

#### Essential

- Lead & own the process of preparation of design deliverables with due consideration for applicable Codes & Standards.
- Interface with Leads of other departments to reflect the as-on-date input from other departments, as applicable.
- Take ownership of deliverables produced & their quality.
- Capture all changes / modifications in the deliverables that has been intimated by Project, prior to release of deliverable.
- Ensure appropriate checking & review of all documents / drawings before release at any Revision status.
- Attend project review meetings.
- Manpower estimation, work planning / forecast and effective utilization of manpower, progress monitoring and adherence to scheduled completion of engineering documents.
- Coordination with the other Engineering disciplines, client and vendors
- Control of Quality of engineering documents with regard to Quality assurance basis.
- Assist HOD in all departmental functions.
- Responsible for change management and trend notifications

#### Secondary

- Identify training needs of team members.
- Keep HOD informed on progress of project, with agreed periodicity.
- Monitor Budget Compliance of design deliverable production.
- Escalate resource / infrastructure issues / concern areas that implicate the production process, to the right office / agency.
- Acts as a mentor for GET's / EDHT's.

## **PROFESSIONAL QUALIFICATION**

### **Essential**

- Graduate chemical engineer with 7+ years experience
- Awareness & understanding of applicable Codes & Standards.
- Established capability to lead team, and exposure to at 2 projects of similar nature & scale.

### **Desired**

- Exposure to global design standards

## **EXPERIENCE**

Minimum 7 years+ relevant experience

## **SOFTWARE SKILLS**

### **Essential**

- Proficient with MS Office applications like MS Word MS Excel, MS PowerPoint etc.
- Trained in/working knowledge of process software applications like HYSYS,

### **Desired**

- Trained in/working knowledge of, software applications like ASPEN Plus, Pro-II, Promax, HTRI, Pipelien Studio and PIPENET
- Knowledge about the Pipeline simulation software like Pipeline studio would be added advantage

## **TECHNICAL SKILLS**

### **Essential**

- Experience in developing mass and heat balances.
- Experience in process design of oil and gas projects in an EPC environment.
- Experience in process simulation, PFD and P&ID development, equipment sizing, system hydraulic calculations, safety valve, blow down, and flare sizing.
- Knowledge about the development of process datasheet of column, vessel, pump, instrument etc.
- Possess good knowledge of industry and company standards such as HAZOP, API, Shell DEP's etc.
- Ensure quality by adherence to company's quality document and regular check of work done by juniors.

**Desired**

- Knowledge of E and EPC projects
- Exposure in multidisciplinary working environment

**BEHAVIORAL SKILLS**

Behavioral Skills	Essential	Desired
Communication	✓	
Interpersonal Skills	✓	
Planning & Organizing	✓	
Prioritising	✓	
Decision making & Objectivity	✓	
Leadership	✓	
Empowerment & Delegation	✓	
Change Management	✓	
Conflict Management	✓	
Integrity	✓	
Accountability	✓	
Team Orientation	✓	
Customer Orientation	✓	
Quality Orientation	✓	