

Detailed Job Description

Job title	:	Structural Engineer
Reporting to	:	Team Lead
Salary	:	Industry par CTC
Hours	:	Full time
Location	:	Hebbal office, Bangalore.

Job Brief

Acufore is looking for a Steel Structural Design Engineer responsible for undertaking industrial Steel Structural engineering activities related to Oil & Gas, Power Plant, Mining, Chemical Plant.

Responsibilities

- Reviewing Structural design, detail drawings and Specifications. Coordinate/guiding the detail engineering team and considering the construction feasibility/fabrication details.
- Work Independently, Client Interface and Project Management.
- To Coordinate General Queries arising from Clients, Comments from approval authority and other disciplines.
- Executing Engineering Activities per agreed schedule and timelines

Desired Characteristics

- Good experience in Steel Structure Pipe Rack, Equipment Support Steel Structure, Exhaust Stack Support Steel Structure, Access Platforms, Staircase, Ladder Steel Structural Member size design and Steel Connection design.
- Good Experience in STAAD Pro, RAM Connection, Duct/Pipe Support Deflection Calculation.
- Should be familiar with STAAD Pro, RISA 3D, RAM Connection, AUTOCAD and Additional knowledge in ANSYS (FEA).
- Problem solving skills.
- Ability to work in teams.
- Good Experienced in Performing Steel Structural Analysis and Design Of Equipment Support Structure, Exhaust Stack Support Structure, Skid/Module Base Frame Structure, Pipe Racks, Access Platforms Pipe/Duct Supports, Crane Pedestal/Hoist and Stair Towers (Finalizing the Member sizing and Steel Connection Design)

Analysis/Calculations Capabilities Include:

- Lifting Lugs/ Pad eyes, Spreader Frames & Bars
- In place Lifting, Transit, Vessel Impact/Collision & Seismic
- Bolted/Welded Steel Connections, Nodes, Joints & Local FEM Checks
- Vessel/Bin/Hopper/Barge Deck Strength Checks
- Detailed Buckling Checks on Shell/Plated Structures
- Weight and Centre of Gravity Calculations, Material Take Off

Knowledge in American, Canadian, Euro, Norsk & British Codes in Design of Steel Structures.

Academic & trades qualifications

-B.E./B.Tech (OR) M.E./M.Tech in Mechanical from Reputed college/university.

-8-10 years of experience in Industrial Steel Structural Design Engineering (Oil & Gas, Power Plant, Mining, Petro Chemicals & Refineries, Chemical Plant)

