

## RESUME

NAME - ASHOK M GUPTA

Qualification: - **BE (Mechanical),1990, (1<sup>st</sup> Class)**  
From SPCE, Bombay University,

Total Experience: - 18 years,

Experience: -

Total 18 years experience consists of piping stress analysis, Piping layout, site experience and static equipment design.

Worked on Oil and Gas (Offshore, Onshore projects), Refineries, petrochemical, Fertilizers projects. Well familiar with codes ASME 31.3, ASME 31.1, ASME 31.8, ASME 31.4, ASME Sec.VIII Div.I, ASME Sec. II, API 650, API 620.

Good exposure to piping stress analysis (using CAESAR II) of lines connected to Heat exchangers, Pressure vessels, Columns, Pumps, Compressors, Turbines, Air Coolers, Ammonia storage tanks, Rack Piping, fired heaters, GRP piping, Offshore bridge piping, etc.

Experienced in preparation of equipment layout, piping plans, isometrics, bulk MTO, etc, Well familiar with column piping, Pump Piping, heat exchanger piping, vessel piping, tank piping, rack piping.

Experienced in static equipment design. Experienced in doing design calculation, preparation of technical specification, bid evaluation, fabrication drawing preparation/checking of pressure vessels, heat exchangers, columns, tanks, silos, hoppers, Ammonia storage tanks, etc.

Worked at site for field verification, field routing, tie-in location finalization and construction support.

### **Since Sept 2004, operating ND Engineering Services as proprietor.**

From 3<sup>rd</sup> Aug 2003 to 3<sup>rd</sup> Aug 2004 - Worked with **Technip Malaysia** as pipe stress engineer on East Area Project (an EXXON-MOBIL Offshore Gas platform)

- Was responsible for piping stress analysis, support type selection, flange leakage check, load data calculation etc. The project had lines connected to compressors, scrubbers, waste heat heaters, bridge piping, Air coolers, etc.

From Aug, 2001 to 11<sup>th</sup> April, 2003: - Worked with **UHDE India Ltd**, a Indian subsidiary of **Thyssen Krupp, Germany as Chief Engineer** in piping **stress analysis group**,

- Worked on Hot Oil Regeneration project for Nirma Ltd, India,
- Worked as lead stress engineer for the Offsite and Utilities of QAFCO-4 (Ammonia urea Project), which involves analysis of cooling water area, Ammonia storage tank area, Boiler Area and Pipe rack.
- Worked as maker / checker of special supports for lines in compressor house area of Ammonia for QAFCO-4 Ammonia Urea Project.

From Feb, 2001 to July 2001: - Worked with R.J.Associates, India as Senior Engineer Piping, Activities included tender study, pre-bid engineering, bid preparation, Piping Layout study, and stress analysis. Done pre bid engineering for: -

- Revamp of a Gas Oil separation plant for KOC,
- Revamp of existing crude storage area by addition of new crude storage tanks and its tie-in to existing lines.
- Performed stress analysis of revamp job of Deepak fertilizers and some lines of Hot OIL Revamp project of KCMC, Kuwait.

From July 2000 to Feb 2001: - Worked with **Jacobs H & G Ltd**, a subsidiary of **Jacobs USA**, as **senior engineer in their piping stress department**

Worked as Stress engineer on following projects: -

- Lead stress engineer for GE Plastics Project for Jacobs Houston.
- Stress analysis checker for Bayer ABS India Ltd Revamp Project,
- Lead stress engineer for Hot Oil Revamp project for Reliance industries Ltd.

From Sept. 1999 to July 2000: - Worked with PCE, Mumbai as principal engineer. Being a small company activities involved tender study, bid preparation, pre bid engineering, piping layout preparation, isometric checking, piping stress analysis, etc,

- Worked on piping stress analysis for Bharat petroleum corporation Ltd (Refinery) (40 big bore existing lines) for various modifications.
- Worked as Lead piping engineer (piping spec/layout/stress/MTO) for GTRE, Bangalore for a Light combat aircraft Heat exchanger test Unit preparation, which involved electric air heaters (lines with temp 400°C) and air coolers etc.

From July 1998 to July 1999: - Worked with **Dar Al Riyadh** (a **JV with Parsons engineers, USA**) in **Saudi Arabia** as piping engineer

- Worked at LDPE revamp project of KEMYA (A SABIC/EXXON JV) in SAPAL (Saudi Arabia Parsons Limited) site office for tie-in identification, field routing, field verification and construction support.
- Worked on Olefins III revamp project for Petrokemya (A SABIC group company). Activities involved existing piping plan updating, deciding tie-in points, preparing tie-in isos, field routing and piping stress analysis.
- Worked as stress analysis engineer for stress analysis of the LP steam Header (for IBN-ZAR A SABIC Group company) with all its tapings to analyze the cause of leakages.

From May 1992 to July 1998: - Worked with **UHDE India Ltd, a subsidiary of Thyssen Krupp, Germany as senior Engineer**. Joined as a trainee in May 1992 in static equipment design department and then transferred to piping department with training in piping stress analysis and PDMS.

- Worked as piping stress analysis engineer in a styrene monomer project for MHI/ABB Lummus consortium.
- Done piping routing of about 300 lines (in PDMS) of a hydrogenation unit of a hydrogen peroxide project for UHDE Germany.
- Worked as lead engineer for a ABU-QIR Ammonia Urea project which involved detail engineering (Design calculation, MTO, Fabrication drawing preparation) of 20 nos. site fabricated equipment.(Tanks, bracket supported silos, rectangular tanks, hoppers, etc)
- Worked as mechanical engineer on a epichlorohydrin project, which involved design calculation/ fabrication drawing checking of about 100 static equipment.

From April 1991 to April 1992: - Worked with D.Parikh engineering works, Mumbai (a fabricator of chemical plant equipment) as design and estimation engineer.

Familiar with Following Software's: - CAESAR-II , PDMS (Design, Draft, Review), Smart plant Review, Navis , Review Package, CODELALC, AutoCAD 2000, MS Word/Excel