

(Chemical Engineer – 11 Yrs Exp.)

ANIL GOYAL

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S/O Mr. S N Goyal
Near Satsang Bhawan
Rajpura Ward
Baran (Rajasthan)

Professional Synopsis

B.Tech. (Chemical Engg., National Institute of Technology, Jaipur, 2008) with about 11 years' experience in the Project, Process Engineering and Operations.

Academics

Qualification	University / Board	Year	Marks
B. Tech	NIT Jaipur	2008	7.32 CGPA
12 th	R.B.S.E.	2003	83.69% [Note]
10 th	R.B.S.E.	2001	83.00%

Note: Secured 1st position at District level.

Key Areas

- Project execution activities like review of drawings/ documents, P&IDs, Operating manuals and **Detail Engineering**
- Assisting in execution of project work plans, deadlines, and resource availability according to **Project Master Schedule** monitoring
- Participate in **HAZOP** study & **SIL** classification study with process licensor
- Technical Service & Process Engineering
- Plant Operations, Trouble-shooting, Start-up/ Shut-down
- Process Safety Management (**PSM**)

Organizational Experience

Working with **Chambal Fertilizers & Chemicals Ltd. Kota (India)** since **July 2008** and now working as **DEPUTY MANAGER - Project** in “CFG3 Project”

M/s Chambal Fertilizers is a flagship company of **K.K. Birla Group** with a turnover of about Rupees **2700 crores**. It is having two Ammonia / Urea plants, each with a capacity of 1520 TPD of Ammonia and 2620 TPD of Urea.

(A) Deputy Manager Projects**Duration – 01st April 16 – 31st March 19**

- Presently working in **CFG3 Project** of Urea process based on **Toyo ACES21 process** technology.
- Reviewing Licensors and vendor's documents like Process data sheets, Engineering drawings and Inspection and Test plan for equipment and package items.
- Monitoring **Project Master Schedule** including Engineering, Procurement and Construction activities.
- Participated in Kick-Off meetings, Pre inspection meetings and various in-stage inspection of Rotary and Static equipment at Vendor shop.
- Attended **HAZOP and SIL study** of Urea Plant with Licensor.
- Involved in **DCS/ESD graphic development, FAT and SAT**.
- Prepared **safe operating procedure** for safe plant start up.
- Looking after **Pre-commissioning and commissioning** activities of New Plant like Air Blowing, Water Flushing, Steam Blowing, Lube Oil Circulation etc.

(B) Deputy Manager Process Engineering**Duration – 01st April 14 – 31st March 16**

- Looked after **Technical Service & Process Engineering** of Ammonia/Urea process. Engaged in providing *process technology related services* for the plant. Initiating studies and conducting process audits to *evaluate & resolve process plant problems*.
- Carrying out *engineering & feasibility study* for plant modification projects.
- Recommending modification proposals to *improve efficiency, capacity, safety, cost/energy savings and technology updates*.
- Knowledge of **HAZOP, HSE, PFD/PID**, isometrics, piping hydraulics and specification sheets for various process equipment like pumps, turbines, compressors, control valves etc.
- Hands-on experience of **ASPEN PLUS software** for -
 1. Process simulation of **Change/ MOC** concepts, technical proposals and their evaluation
 2. Performance evaluation for critical process equipment (heat exchanger, heavy duty compressors etc.) and pressure drop across piping network
- Monitoring plant performance through analysis/ review of plant operating data on a daily basis and advises on improvements & optimization of process operations. Conducting testing programs as necessary to anticipate, evaluate & resolve process problems.
- Member of **PSM (Process Safety Management)** audit team; coordinating in the preparation of Start-up, Shutdown and Emergency procedures.
- Carrying out detail analysis of plant/unit tripping, process trouble shooting and machine/equipment breakdown viz. Pre-failure condition, observations, identifying respective

causes of trip/failure incidents (**root-cause analysis**) and recommending corrective actions to avoid recurrence of problems thus, to reduce breakdown/production loss time.

(C) Assistant Manager Plant Operation

Duration – 01st Jan 10 – 31st March 14

- Experience as **Shift-In charge** in the operations of **SNAMPROGETTI, Italy** technology based 2620 MTPD capacity of Urea plant consisting **Synthesis, Recovery & Vacuum** sections and **Process condensate treatment section**, rotary equipment with the modern state-of-art DCS and PLC systems.
- **Trouble-shooting and start-up/shut-down** experience of urea plant involving operations of *CO2 compressors, Synthesis section, Recovery units etc.*

(D) Assistant Manager Projects

Duration – 01st July 08 – 31st Dec 09

- **Part** of team of **Revamp project** of Ammonia plant based on Haldor Topsoe tech, Successfully handled the project, Refractory of Secondary Reformer and KRES Which includes Pre-Refractory Pouring Activities, Refractory Pouring Job and at last it's Dry Out.
- **Hand on experience** packing changeover of Towers (Random/ Structured Packing), chemical cleaning of new/old equipment and hydro test of pressure vessels
- Revamp of **SNAMPROGETTI** technology based Urea plant for addition of Pre-concentrator, Urea Scrubber and replacement of PCT stripper trays.

Skills / Training Program attended

- Organizational ability, teamwork and ability to achieve targets.
- Good written and oral communication skills.
- Training programs : - (1) Managerial skills development, Negotiation, Team building & Leadership skills
(2) **MS Project**
(3) **FAI** (Fertiliser Association of India) Meet
(4) BHEL Hyderabad learning about “Centrifugal Compressors”
(5) **ASPEN Plus** Software Simulation Program
(6) Training Program on **PROCESS SAFETY MANAGEMENT (PSM)**

Personal Details

Date of Birth - 07th, February 1985

Marital Status - Married