

# Ijaz Hussain Tabassum

(Chemical Engineer)

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## Professional Summary

- ✓ **14 Years** diversified experienced in Oil & Gas industry, AMMONIA-Fertilizer and Crude oil Refinery operations from Field and DCS including monitoring, handling emergencies as per SOP.
- ✓ Pre -Commissioning, Commissioning, Startup, Shut down, Plant Operations, troubleshooting, emergencies handling and DCS & PLC Operation at Fertilizers and Refinery plants.
- ✓ Implementation of the ISO & IMS Procedures, environmental & safety regulations.
- ✓ Improvements in operations through good management practices, technical innovation, optimizing capacity utilization and cost reduction.
- ✓ To lead, train, manage and develop production team by demonstrating excellent managerial, technical and coaching skills.

## Career History

Organization & Designation	Duration	Years
<b>ATTOCK REFINERY LTD. - RAWALPINDI, PAKISTAN</b> Senior Engineer Operations (Coordination Engineer)	Dec 2016 -Present	<b>Present</b>
<b>HYUNDAI ENGINEERING CO., LTD. - RAWALPINDI, PAKISTAN</b> Commissioning & Operation Chief Engineer(ATOM Project)	Apr 2015-Nov2016 (ARL Project Completion)	<b>1.8</b>
<b>AGRITECH LTD.( FORMERLY PAK-AMERICAN FERTILIZERS)</b> <b>ISKANDARABAD, PAKISTAN</b> Deputy Manager Sr. Engineer Ammonia Plant	Apr 2007- Apr2015	<b>8.0</b>
<b>NISHAT CHUNIAN LTD. - LAHORE, PAKISTAN.</b> Junior Shift In charge QC lab	Jan 2006 - Mar2007	<b>1.2</b>
<b>TOTAL OPERATIONS EXPERIENCE</b>		<b>14</b>



**ATTOCK REFINERY LIMITED**  
**Senior Engineer Operations**

- ✓ I am working in ARL Operations as Co-ordinations Engineer (CCR) at plants HBU, HCU, AMU, SWU, High Pressure BOILERS, DHDS, ISOM, HMU, UO and Naphtha Reformer. My responsibilities are as;
  1. Lead, train, manage and develop production and engineering teams by demonstrating excellent managerial, technical and coaching skills to enhance team work in Operations
  2. Manage Company's production units and plant facilities ensuring efficient operations and adherence to production parameters.
  3. Ensure compliance with Health and Safety Standards.
  4. Bring improvements in operations through good management practices, technical innovation, optimizing capacity utilization and cost reduction.



## **HYUNDAI ENGINEERING CO., LTD.**

### **Commissioning & Operations Chief Engineer - ARL Up-Gradation Project**

- ✓ Performed pre-commissioning ,commissioning and operations activities on both DCS and field including solving productions and units optimization issues, equipment Hanover ,punch listing, water flushing, steam blowing, air blowing, pressure testing , air freeing, Hydrocarbon introduction, Master startup and Shut down, Guarantee and Performance test activities.

### **Commissioning, Master Startup, Performance test & Operations of following units at ARL:**

- ✓ Pre- Reformer, Reformer, Furnaces and Fuel gas- Oil Heaters
- ✓ Hydrogen Manufacturing Unit- HMU (LINDE - HYDROCHEM)
- ✓ Diesel Hydrodesulphurization Unit- DHDS (UOP)
- ✓ Amine Gas Sweetening Unit - AMU (UOP)
- ✓ Isomerization unit - ISM (UOP)
- ✓ Sour Water Sweetening Unit- SWU (UOP)
- ✓ Sulfur Recovery Unit - SRU (JACOBS)
- ✓ Steam Generation System - SGS (DESCON)
- ✓ Compressed Air system - CAS (COMPAIR)
- ✓ High Pressure Compressors and Pumps (MES)
- ✓ Pre- Flash – BMR HBUs (CBI)
- ✓ Possess sound knowledge and experience of working with DCS, PLC, ESD, F&G systems logics, cause and effect charts, logic diagrams as well as experience of HAZOP studies
- ✓ Process Hazard Analysis, Hazard Identification, Consequence Analysis
- ✓ HAZOP studies, HSE management systems, permit to work systems PTW
- ✓ Prepare units for ready to Start-up and performance tests
- ✓ Technical reviews of Operating manuals & SOP provided by vendors
- ✓ Identify resource requirements for site activities each project and ensure most effective placement
- ✓ During detailed design and in close coordination with Home Office Engineering and Commissioning Manager to identify requirements for pre-commissioning and commissioning of modular systems to ensure minimization of testing requirements.
- ✓ Review and assist with development of subcontractor and key suppliers testing and plans
- ✓ Assist in selection of spare parts requirements for PC&C phase.
- ✓ Liaise with client management to identify specialized training that may be performed during Pre-Commissioning and Commissioning works
- ✓ Produce daily and weekly PMC and Commissioning status reports detailing progress and key issues which may need to be addressed to management to resolve
- ✓ Efficiency monitoring of heat exchangers, Pumps, compressor & turbines
- ✓ Able to provide operability input and support for project by participating in project design, drawing
- ✓ Reviews, hazard & risk review sessions and process studies.



## **AGRITECH LTD. (Formerly PAK AMERICAN FERTIZERS LTD.)**

### **Sr. Shift Engineer (Deputy Manager) Ammonia Production**

### **Commissioning & Operations expertise on the following Ammonia-Fertilizers Units:**

- ✓ Amine gas sweetening unit, Sour water sweetening units
- ✓ Gas compression, Hydro treating and Desulfurization
- ✓ Steam Methane Reforming, Shift conversion
- ✓ Syngas Purification, Methanation, Syngas Compression
- ✓ Molecular sieve dryers, Ammonia Synthesis Reactor
- ✓ Purge Recovery, Steam Production and Ammonia Refrigeration
- ✓ Ammonia Storage facility, High Pressure pumps and compressors

- ✓ Ensure uninterrupted, safe and efficient operation of the unit & responsibility for emergency handling, Startup and shutdown of Amine Treating System, Reformer & Back end at Ammonia
- ✓ Data Evaluation, DCS /PLC operation, DCS history, ESD System, & RCA (Root cause analysis)
- ✓ Implementing and monitoring housekeeping - Ammonia Storage Facility and Flaring operation
- ✓ Monitoring and Evaluating safer and smooth operation of equipment i.e. Compressors, Turbines, Furnaces, Pumps, and Reactors including Design and drawing reviews
- ✓ Provide leadership and managerial direction for safe, efficient and optimal Ammonia operation, maintenance, HSSE and other functions
- ✓ De-Bottlenecking of Ammonia Plant in accordance with standard operating procedures
- ✓ Lead training activities of operations staff during training sessions.
- ✓ Communicate and implement preventive & corrective maintenance activities with other disciplines for actively participation in annual shutdown planning and safe execution.
- ✓ Use analytical and troubleshooting skills to solve day to day plant operational issues.
- ✓ Responsible for implementation of plant operational procedures and/or maintenance
- ✓ Responsible for ensuring that all legal, environmental and health & safety standards are met by implementing the appropriate engineering codes and procedures
- ✓ Knowledge of preparing and reviewing technical reports with giving recommendations
- ✓ Trouble shooting and fault analysis of Pumps, Compressors, Reactors, Heaters & Furnaces
- ✓ Experience of writing technical documents for the scope of works and specification
- ✓ Knowledge of safety and hazardous operation conditions, related international standards.
- ✓ Excellent composite experience in Plant Operations, Commissioning, Startup and Shut down
- ✓ Supervised Erection and Commissioning of revamp projects with maintenance work expertise
- ✓ Catalysts loading, unloading and reduction: start up and shutdown of ammonia plant reactors



**NISHAT CHUNIAN LTD.**

**Junior Shift In charge (QCL)** Lab testing for dyes and finishing of fabrics products.

### **PROFESSIONAL SKILLS:**

- ✓ IMS, QMS, EMS and OHSAS implementation and internal audit
- ✓ Disciplined and consistent
- ✓ Communicative, responsible, confident and flexible
- ✓ Stress resistant and composed
- ✓ Managerial and leadership skills
- ✓ Excellent planning capabilities
- ✓ Leadership, the experience of managing people
- ✓ Motivation and coaching skills

### **ACADEMIC QUALIFICATION:**

- ✓ **B.Sc. Chemical Engineering** (2002-2006, 1st Div.) from **University of the Punjab** -Lahore

### **PERSONAL PROFILE:**

Father's Name:	Faiz Bakhsh
Date of Birth:	11th April 1980
Religion – Nationality:	Islam - Pakistani
Pakistan Engr. Council Reg. No.:	Chem. / 06297
CNIC No.:	31201-0284730-7
Passport No.:	AP7017302