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Rashid (Chemical Engineer)

**Objective:**

Highly motivated individual who works well on his own or in a team. Able to handle multiple projects and meet deadlines under pressure to achieve organization goals. Good analytical skills with excellent understanding of chemical engineering theories. Well familiar with engineering disciplines scope of work, deliverables and their interactions. Excellent

interpersonal skills, able to communicate and collaborate effectively with co-workers at all levels.

**Personal Information**

Date of Birth June 10, 1994

Marital Status Single

Religion Islam

Visa Status Visit Visa till 14th February 2018

Availability Immediately

Nationality Pakistani

Address Abu Dhabi

**Education**

2013-2017 **Bachelor of Chemical Engineering (CGPA: 3.014/4)**

University of Engineering & Technology, Lahore

2010-2012  **FSc (Pre Engineering)**

Board of Intermediate & Secondary education, Lahore

2007-2009 **Matriculation**

Board of Intermediate & Secondary Education, Lahore

**Competencies**

* Have a full command over MS Word / MS Office / MS Excel. AutoCAD 2004-2012, AutoCAD Plant 3D.
* Aspen HYSYS, Aspen Plus, MATLAB, CHEM CAD, FLUENT, Primavera P6
* Management skills such as Six Sigma to enhance productivity, DEMAIC Process, Fish Bone Analysis, SWOT/TOWS Analysis, KAIZEN Activities, Planning techniques, 5S etc.
* Oracle EBS, SAP Business, Microsoft Windows 7, Windows XP,Windows Vista, Internet Browsing

Punjab University Lahore

**Professional Experience**



**AGRITECH LIMITED, Haripur, Pakistan**

**Period**  3rd February, 2016 to 15th November, 2017

**Position** **Production Engineer**

#### Role & Responsibilities.

Plant Capacity is 600 MTPD Single Super Phosphate and Sulphuric Acid production with 300 MTPD 98.5 % Sulphuric Acid.

* Participated in design of process and utilities – preparation of PFDs, P&IDs, equipment sizing calculations
* To Ensure Smooth operation of plant by adjusting the process control variables.
* To ensure Smooth start up and shut down activities of plant.
* To check daily production report, log sheets, parameters trend & lab results.
* To suggest recommendations for any problem, arise during daily plant operation.
* To apply and maintain ISO & OHSAS standards in production facility.
* Material and Energy Balance calculations of process plant to economize the process.
* To deliver technical training sessions to plant operators & trainee engineers.
* Calibration & maintenance of field instrument of Level, Pressure, Temperature & Flow
* Understand the steam distribution system and steam turbine process.
* Checked the samples of BFW for boilers to improve the quality.
* Checked different samples of final granulated SSP product to calculate the available P2O5 contents.
* Checked weather the process parameters rely with design basis.



**Ittehad Chemicals Limited, Lahore**

**Period**  15th June, 2014 to 31st January,2016 **Position** **Production Engineer**

#### Role & Responsibilities.

* Safe start-up, Operations and Shut Down of Caustic Soda Plant.
* Provide engineering support for production and maintenance activities to ensure maximum production.
* Monitoring and Maintaining process specifications through Multiple Loop Controlling System to achieve daily target effectively.
* Managing with the shift staff for smooth and trouble free operations.
* Foreseeing the operational parameters and handling the plant in way to avoid any emergency situation.
* Preparation of mass balance, daily, weekly and monthly activity and production reports.
* Supervising the ongoing preventive and corrective maintenance activities of rotary and stationary equipment.
* Managing Control-Room activities while keeping effective communication.
* Perform engineering analysis to reduce downtime and outages.
* Evaluate current production activities and make recommendations for improvements.
* Implement cost reduction initiatives while maintaining high quality standards.
* Develop operating instructions and equipment specifications for production activities.
* Provides training and guidance to team members to accomplish production goals.
* Stay current with product specifications, engineering technology and production processes.
* Investigate problems, analyze root causes and derive resolution.
* Perform tests on products to make sure that they meet standards and specifications.
* Monitoring and Ensuring the effective Implementation of HSE.
* Preventive and corrective maintenance (scheduling, planning and execution)
* Writing Standard operating procedures (SOP's) for machines

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**Medipak Limited, Lahore**

**Period** 27th January, 2013 to 14th May, 2014

**Quality Control Officer**

#### Role & Responsibilities.

* Responsible to look after the testing of cosmetic products manufactured
* Responsible to look after Chemical testing of raw materials, in process & finished products and packaging materials according to the specifications under time constraint.
* Responsible for the calibration & validation of analytical equipment.
* Solutions preparation
* Analyses of Raw materials, Packing materials and In-Process materials
* Monitoring the chemical reactors during process
* Supervising QC Analyzing team
* Reporting to manager

**Final Year Project**

Production of Ethylene from Naphtha Cracking by USC Process

* Process Description, BFD & PFD
* Material and Energy Balances on all units
* Done HAZOP study and EIA on all units in the project
* Safety health and environment consideration
* Whole Simulation on Aspen HYSYS
* Coordinat

**Industrial Exposure**

* Sitara Chemicals Faisalabad
* Pak American Fertilizers Mianwali
* Engro Fertilizers Limited Sadiqabad
* Fauji Fertilizer Mirpur
* Ittihad Chemicals Limited Lahore

**Subjects of Interest**

Chemical Process Thermodynamics, Heat Transfer, Petroleum & Petrochemical technology, Fluid Flow

API’s (Pumps, Compressors, Valves, Turbines, Flow measuring instruments, Heat Exchanger and Cooling Tower)

**Reference**

* Will be furnished on demand.