

Muhammad Irfan

Post Applied : **Process Operator**
Total Experience : **8 Years**
Current Employer : Fauji Fertilizer Company
Current Position : Senior Staff Production
Current Location : Mirpur Mathelo, Pakistan
Expected Salary : NEGOTIABLE
Availability : ASAP
address : P/O Linjari Rupper , Tehsil Kahrur Pacca , District, Lodhran
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Objectives:

Seeking a challenging position in an Organization that provides a dynamic environment in which I can enhance my knowledge and expertise through enthusiasm, hard work and dedication and to best of my abilities.

1. Fauji Fertilizer Company Ltd: April 2013 to Till Date

Working Areas: DCS Pannel & Process Plant operator

Acid Gas Treating Plant

CO₂ Absorber (Amine Unit)

It consists of four packed beds of 7.1 meter height (each) with PALL rings. Operating Pressure is 27 Kg/cm₂ & temperature is 120°C.

- K₂ CO₃ (27-30%) absorbent
- DEA (3%) as activator.
- V₂O₅ as corrosion inhibitor.
- KNO₂ as oxidizer.
- POLYALKALINE GLYCOL MONO BUTYL ETHER as antifoam reagent.

CO₂ Stripper:

It consists of four packed beds of 7.0 meter height (each) with PAUL rings. CO₂ stripping takes place by letdown of pressure and by applying stripping steam at 130°C. Reflux is being used from top of tower at washing trays and demister pad for CO₂ washing. Its operating pressure is 0.7 ~ 0.8 Kg/cm₂ & temperature is 120°C.

Methanator:

Methanation takes place in Methanator located at the end of CO₂ absorber. It converts CO & CO₂ into methane coming from CO₂ absorber. It is filled with "Ni" (30%) based catalyst. Its operating pressure is 27 Kg/cm² & temperature is 295-320°C

Condensate Stripper:

To purify polluted water coming from process of CO₂ stripping and knock out vessels. Stripping of polluted water takes place with stripping steam (HS). The tower consists of 20 valve trays. The recycled water is then sent to water treatment unit. Its operating pressure is 38 Kg/cm² & temperature is 100 °C.

CO₂ Compressor Section:

A turbine driven centrifugal compressor having 4 stages handling CO₂ for Urea Synthesis. Compressor having 2 casings (Horizontal & Vertical) Split Casing.

- Manufacturer NUOVOPIGNONE.
- Modern instrumentation i.e. Bentley Nevada vibration monitoring system.
- Four Stage Compressor having MCL & BCL.
- Compressor has four knockout vessels with high level securities and also has final high pressure and low pressure securities

Turbine Design Features:

- It is very high pressure (105kg/cm²) steam driven turbine

Turbine is impulse, Reaction, Extraction and condensing with vacuum surface condenser
It is condensing & extraction turbine.
Speed & Extraction Controlling System is Digital Electronic Governor (WOOD WARD'S-505E)

Supplier : **AEG KANIS**
Turbine power output: 12M.WATT.
Operating Speed : 6220 to 6667 rpm
Motive Steam : K.S (103 kg/cm²) (500°C)

Commissioning Experience:

- Centrifugal Compressor **Surge Test** Commissioning Experience at FFC.
- Incorporation of **Surge Graph** on the basis of actual perform surge test in T/A-2017
- Replacements of Oil relay governor with new **Electronic Governor (WOOD WARD'S-505E)** in T/A-2011.

DCS Control Panel:

Our plant control system is based on **YOKOGAWA CENTUM CS-3000** Distributive Control System (DCS) and our Anti surge control system is based On **Control Module System (CMS)**.I have fully awareness of DCS system basic components

PREVIOUS WORKING EXPERIENCE



2.

Ammonia Unit: **Position** **Field Operator** : August 2012 to April 2013



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Ammine Unit. **Position.** **Process Operator** : Jan 2019 to Feb 2019



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Apprenticeship. **Position.** **Process Plant operator** : April 2013 to April 2015

I AM A MEMBER OF PHA (**PROCESS HAZARD ANALYSIS**) TEAM OF FFC

Responsibilities:

Being a "Field Operator" my current job responsibilities are:

- Looks after safety aspect as a priority.
- Follows up shift activities, and ensures high level of safety on the plant.
- Respects work permits recommendations & Checks each signed work Permit at the site and ensure that the jobs are performed safely.
- Handed over of equipment's in safe condition for maintenance works.
- Looks after equipment's& plant. And checks all running equipment, Logs Process parameters and reports abnormalities
- Follows the standing instructions and operating procedures.
- Proposes solutions to problems on the plant & Optimizes production.
- Carries out daily, weekly, and monthly routine jobs.
- Changes over running equipment as and when required.
- Co-ordinates & reports to the DCS operator & shift supervisor.
- Sample collection for all different campaign.

Special HSE Courses/ Training:

Attended Emergency Response Team Training Course by (FFC & OSHLAP)

- **Participated in following HSE training courses**
 - Work Permit system
 - Use of PPE's
 - Behavior Safety
 - Job Safety Analysis

- SCABA Plant Safety Systems
- Fire Management system.
- Emergency Response System

Safety Supervisor:

I am safety caption of my shift group and woks as a safety leader during turn around and all plant shut down. I am a member of fire fighting squad and takes part in weekly fire fighting drill. I have attended the following courses.

(1) Fire Fighting. (2) Rescue Training 1122(RYK) (3) First Aid

The Company:

FFC have following certifications:

- Quality certification: ISO 9001:2008
- Environmental certification: ISO 14001:2004
- Occupational Health & Safety certification: OHSAS 18001:2007
- Energy certification: ISO 50001:2011
- FFC is also the part of SAP (System Application & Product).

Computer Skills:

- Fully comfortable while working with Windows environment, office use packages, like MS-Office with all of its accessories and Internet.

Language:

- Urdu, English, Punjabi

Academic Qualification

Qualification	Marks	Percentage	Passing Year	Board/University
D.A.E(Chemical)	2726/3400	80	2012	P.B.T.E (Lahore)
Metric	757/1050	72	2009	B.I.S.E. Multan

Personal Information:

Father's Name : Muhammad HUSSAIN
 Date of Birth : 1 Jan 1995
 Domicile : Lodhran (Punjab)
 Nationality : Pakistani
 CNIC NO. : 36202-26459229-9
 Marital Status. : Single
 Religion : Islam