

## Syed Muhammad Azfar



Mobile: +92-3212590109  
Email: syedmuhammadazfar@gmail.com  
Date of Birth: 26 January, 1993  
Religion: Islam  
N.I.C #: 42101-9085076-1  
Address: R-49, Sec 15A4, Bufferzone, Karachi.

### Career Summary

- **Experienced in** Commissioning of Super Critical Boiler at 1320 MW coal fire power plant
- Working Experience for more than 02 years.
- **Utilities Management and Installation.**
- Command on designing and simulating process on **ASPEN HYSY**
- Strong negotiating skills with a rich experience in **Liaising, Project Lead and Technical Procurement**
- On hand experience of MS Project & Office in Project Planning and Scheduling.
- President for Society of Chemical Engineers (NED UET)

### Professional Experience

#### **Power China AMC, Pakistan Branch (April 2017 to Present)**

Operations Engineer at 1260 MW Port Qasim Electric Power Company

- **Commissioning experience** of 1320 MW coal fired power plant at port qasim (Karachi).
- Primarily responsible for all operation requirements associated with **central control room**.
- On-site operations of **boiler, turbine and electrical** equipment.
- To monitor operation of steam generation and close cycle of auxiliary boiler to cooling tower.
- **Monitoring and maintaining the parameters** in line with operation and load requirements. (pressure, temperature, valve position)
- **Testing of living water** (turbidity, Total Hardness, Calcium, Alkalinity, PH, Free chlorine, chloride).
- To ensure the quality of water to meet the requirement of living standards, industrial use and 2\*660MW super critical coal fired electricity generation unit.
- To ensure the safe and smooth **start up, operation and shut down** of following units; Pre-Treatment of sea water (sedimentation and flocculation), ultra filtration system, **Sea water Reverse Osmosis system, Brackish water reverse osmosis**, boiler make up water system, **mineralization of industrial water and living water**, High flow rate mixed bed (Condensate polishing) & Resin Regeneration System, Industrial waste water treatment system, Generation of sodium hypochlorite, Generation of Hydrogen, **Sewage water treatment**.
- **Technical data log** upkeep.
- **Work ticket issuance and implementation** in case of maintenance requirement.
- Attended various **technical trainings** regarding high pressure vessels, safety regulations of power plant, CPR, etc.

#### **Gansu Energy Investment Corporation, Xian-China (September 2016 – March 2017)**

- Trainee Engineer at 660 MW Chongqing Power Plant, China
- Technical Training of operations for closed cycle boiler, coal fired mills and steam circulation
- To monitor steam generation and optimization of economizer
- To ensure safe and smooth operation observing environmental factors in flue gas

#### **National Refinery Limited, Karachi (July 2016 – September 2016)**

- Trainee Senior Management
- To ensure safe operation of utilities

#### **Co-Owner at Link-In-Loop (Pvt) Ltd. (November 2011 – August 2012)**

- An Outbound Customer Care Centre of International Products in Canada.

## **Education**

### **Postgraduate of Engineering Management (Process Management)**

*N.E.D University of Engineering and Technology, Karachi. (In Progress)*

### **Bachelor of Engineering (Chemical Engineering)**

*N.E.D University of Engineering and Technology, Karachi. 2016*

## **Final Year Project**

Simultaneous Absorption of CO<sub>2</sub> and SO<sub>2</sub> from flue gas

- Flue gas desulfurization
- Fabrication of absorption column
- Analysis of various rates of absorption of CO<sub>2</sub> and SO<sub>2</sub>
- To ensure safe emission of flue gases in environment

## **Internships**

- Byco Oil Refinery    21 May 2014 – 18 June 2014
- Dynea Chemicals (Islamabad) 18 May 2015 – 18 June 2015

## **Workshops/Certification**

- IOSH Managing Safely v4.0
- Chinese Language HSK-1
- High Pressure Vessel Training by TUV Austria.
- Certified Of Implementation As a Young Leader in 2010
- International Conference on Advance Materials and Process Engineering

## **Personal Skills & Qualities**

- Self Motivated
- Possesses Research and Analytical Skills
- Excellent problem solving and Interpersonal Skills
- Can Manage Different Situations in given Scenario

## **References**

Will be furnished upon your request.