



## MUHAMMAD TUFAIL AHSAN

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### **Objective:-**

Seeking opportunities to work in your highly professional organization where I can participate to enhance business of the company by using my proven abilities.

### **Total Experience:- 3 Years**

- **One and half years** Experience as Plant Operator in **Engro Polymer & Chemical Ltd Karachi**. from **Jan 2017** to **July 2018**.
- **Currently working in Pak Arab Refinery Ltd.** From **July 2018** to **Date**.



Pak-Arab Refinery (PARCO) is the largest refinery complex in Pakistan which Capacity is 100,000 BPSD and has following units CDU/VDU, VISB/GCU, MHC Unit, NHT/PLAT/CCR, Amine treating, KeroMerox /SRU.

Now working as Field Operator at **Gas Concentration Unit**. Reporting to Shift Supervisor and DCS Operator.

### **GAS CONCENTRATION UNIT:-**

(LPG recovery from Un-stabilized Naphtha & Net / Off Gases)

### **Feeds Capacity:**

- Un-stabilized Naphtha = 21950 BPSD (146m<sup>3</sup>/hr)
- Net Gases (C<sub>1</sub> ~ C<sub>5</sub>, H<sub>2</sub> & H<sub>2</sub>S) = 12548 Nm<sup>3</sup>/hr

### **Products:**

- LPG (Liquefied Petroleum Gases) to LPG MEROX
- Stabilized Naphtha to NHT (Naphtha Hydro Treating Unit)
- Off Gases to ATU (Amine Treating Unit)

### **MAJOR EQUIPMENTS:**

- Wet Gas Compressor (Centrifugal, Multi-Stage, Steam Turbine Driven)
- High Pressure Separator
- Stripper (For H<sub>2</sub>S, Methane & Ethane stripping).
- Debutanizer / Naphtha Stabilizer (For LPG Recovery & to Produce Stabilized Naphtha)
- Re-boilers (For Stripper & Debutanizer)
- Absorbers (Primary Absorber & Sponge Absorber For Propane and Butane Absorption to maximize LPG recovery)
- Multistage Centrifugal Pump

### **responsibilities:-**

- Develop an understanding of all operational procedures and practices through on-the-job training, job rotation to ensure readiness and capability, to assume the Operator role.
- Operate field equipment in accordance with operating and approved safety procedures to ensure effective process flows and optimum operational status of equipment.
- Monitor and log all operating parameters ensuring that all irregularities are reported to immediate supervisor for advice and/or resolution.
- Prepare field equipment in allocated work area for maintenance activities, follow up execution and recommission equipment upon satisfactory completion of work.
- Provide immediate first-line response capability in the event of emergencies or major incidents in order to eliminate or limit potential loss or damage to Company personnel, assets or the environment.
- Ensure incoming shift operator is fully briefed on current operating status and significant events during previous shift, to ensure seamless hand-over of responsibilities.
- To operate, observe and collect data from all machinery and equipment in my area of responsibility as per standard operating procedures and safety regulations to maintain plant productivity.
- To perform local operations as instructed according to approved procedures to reach the on-spec final product.
- To monitor, observe and collect data from local control panels and instruments of the different systems ensuring stable and efficient plant operation.
- To detect, solve and report any abnormalities or malfunctions in the equipment or facilities in order to maintain plant reliability.
- To prepare, follow-up and report maintenance activities of the equipment and facilities ensuring safety for personnel and preservation of the equipment.
- To report hazards, incidents or accidents and participate in the study and analysis of the route cause to prevent escalation and recurrence.
- To engage in putting under control any emergency situation according to ERP and related procedures to prevent losses in humans and Company assets.
- To follow-up housekeeping tasks to eliminate safety hazards and maintain clean working environment.
- To participate in sample collections for analysis and plant performance monitoring.

### **employment history:-**



*I have worked with Engro Polymer and chemical Ltd*

**Karachi in Operations Depart, Utilities Section.** Engro Polymer is the largest Polymer and chemical Complex of Pakistan it has capable Produce Ethyl dichloride, Vinyl Chloride Monomers, Poly Vinyl Chloride, Sodium hypochlorite and caustic soda.

#### **Utilities/Combined Cycle Power Plant**

- Package Boiler (16 ton/hr)
- Induced Draft Cooling Tower(3200 m3/hr)
- Demineralization (ion exchange process)
- Screw Compressor For Plant Air Production
- Centrifugal Chiller(1200 ton)
- pressure swing adsorption (PSA) For Nitrogen Production (600Nm3/hr)

### **Training received & certification:-**

- Attended Emergency Response Team Training Course by PARCO.
- *Work Permit System.*
- *Process Safety and Risk Management (PSRM).*
- *LOTOTO Procedure.*
- *SBM Certification.*
- First Aid.
- Fire Fighting.
- FM200 Operation.

### **educational qualification:-**

- *03 years Diploma of Associate Engineer in Chemical Technology from Punjab Board of Technical Education Lahore in 2016 with "A+" Grade.*
- *High School Education with Science from Board of Intermediate And Secondary Education Faisalabad in 2012 with "B" Grade.*

### **personal information:-**

- **Father Name** : Khan Afsar
- **Date of Birth** : 04-04-1996
- **Place of Birth** : Jhang, Pakistan.
- **Religion** : Islam
- **Marital Status** : Single
- **CNIC #** : 33202-4993663-7
- **Passport #** : EH1116631