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**AHMED HASSAN**

**Control Room / Field Operator**

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**AREA’S OF EXPERTISE:-**

Sulfur Recovery Unit (SRU), Acid Gas Treatment Unit (Amine Treating & Sour Water Unit), Diesel Hydro treating Unit

**CAREER OBJECTIVE:-**

Control Room Operator having more than **10 years** of working experience in the Production division with excellent technical and operating skills at core process units of Refinery Operation Department, I Supervised and played a vital part in Pre-commissioning, commissioning & master startup activities in Attock Refinery Up gradation project. I am specialized in Field Operations, Process monitoring, evaluation, optimization, plant troubleshooting, HSE, risk assessment and job safety analysis

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**Attock Refinery Limited**

**CONTROL ROOM OPERATOR** (Sep, 2016 to Date) **(4+ Years)**

Currently, I am working as a **Control Room Operator** **(Honeywell C300 PKS 410)** at AMU Gas Sweetening Unit, Sour water stripper unit, Diesel Hydro De-Sulphurization Unit

**AMINE TREATMENT UNIT:-**

To remove H2S by absorption of refinery fuel gases using DEA, Unit consist of following equipments

 Valve Tray type Absorber Valve Tray type Amine Regenerator

 Amine Steam Re-boiler Amine Filtration system

**SOUR WATER UNIT:-**

Treatment of Refinery Sour water rich in H2S, NH3.Unit consists of:

 Degassing Drum Valve Tray type Sour Water Stripper

 Sour Water Steam Re-boiler Air condenser

**DIESEL HYDRO DE-SULPHURIZER UNIT:-**

I have also hand on experience at DHDS unit

* Unit has the capacity of handling diesel **12500 Barrel/day**.
* To remove sulfur in order to produce Diesel of Euro II Standard Hydro-treating straight run gas oil with 5000 wt ppm sulfur.
* UOP as a process licenser and Hyundai engineering as a contractor and DCS is provided by Honeywell.

Recycle Gas Compressor

* Single Stage Double Acting Reciprocating Compressor (Electric Motor Driven) is used to recycle H2 in the system. It has a capacity of 26000 Nm3/Hr.

**Sulfur Recovery Unit: (Master start-up not done yet):**

Sulfur production by **“Claus & Super Claus Selective Oxidation Process”** The Unit Consists on following section

H2S Combustion Chamber & Blower System04 Stage Condensers & 03 Stage Claus Reactors

Super Claus Stage & Incineration Section Sulfur Solidification Section

**DCS / FIELD COMMISSIONING** (Sep, 2015 to Sep, 2016) **(1 Years)**

I was participated & supervise in all Pre-Commissioning/Commissioning and Master Start up activities of AMU & SWU unit.

**Responsibilities:-**

* Maintaining a complete record of all commissioning activities, **like final walk downs, pressure tests and Air blowing/water flushing.**
* Confirmation of all instruments and valves, process equipment and lines according to specs as per drawing and P & IDs, **Punch listing of unit as per P&ID.**
* Loop Verification & Function test of all instruments, Configuration of DCS & PLC, verifying all Graphics according to specifications provided by Hyundai Engineering with working of all control loops.
* Developing (SOP) for Pre-commissioning, commissioning / start-up, shutdown and trouble shootings emergences by reference of manual, PFD, P & ID, process control narrative.
* Training of all field operators by maintaining complete training record.

**FIELD OPERATOR** (Sep, 2014 – Aug, 2015) **(1 Years)**

**Crude Distillation Unit: -**

I have served more than1 year as a Field Operator at **Crude Distillation Unit** capacity 20,000 barrel/Day, Unit consist on following equipments.

Single stage electrical De-Salter Natural Draft Furnace (Fuel Gas + Fuel Oil)

Naphtha stabilizer Centrifugal and PD Pumps

Three phase separators Steam Strippers

**UTILITIES FIELD OPERATOR** (May, 2011 – Aug, 2014) **(3 Years)**

I have served more than 3 years as a Field Operator in different sections of Utilities Department.

Cooling Tower Boiler Feed Water Treatment by Ion Exchange

Fire Network System Drinking Water Treatment Plant

**Responsibilities**

* Operate field equipment in accordance with operating & approved safety procedure to ensure effective process flows and optimum operational status of equipment.
* Monitor and log all operating parameters ensuring that all abnormalities are reported to supervisor for advice & resolution timely.
* Normal startup & Shutdown at units, and responsible to carry out all shutdown activities safely and timely.
* Prepare field equipment in allocated work area for maintenance activities , follow up execution and re-commission equipment after completion of work Record keeping of equipment's that requires special attention regarding operation and maintenance.
* Develop and understanding of all operational procedures and practices through on the job training.
* Responsible for safe handling 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.
* Responsible for safe handling & trouble shootings (i.e. Refinery Gas gathering system, Overhead Fan Condenser failure, Power Failure, Instrument Air Failure, Loss of Cooling Water Failure) at plant.
* Maintaining the quality of products as per ISO standards & sample results to makes changes as required.
* Responsible to maintain and update check list, Log sheets, Lab result and other related records.
* Ensure incoming shift operator is fully briefed on current operating status and significant events during previous shift, to ensure seamless hand-over of responsibilities.
* Planning and execution of jobs during turnaround of units

**ACHIEVEMENTS**

* I supervise and participate in DCS / FIELD commissioning activities of AMU/SWU/SRU
* Shutdown & Startup of Unit as DCS operator / Field Operator in ARL
* Safe handling of unit in loss of Utilities or Feed
* Master startup of AMU/SWU after commissioning

**TECHNICAL TRAINING**

* Review and revision of PFD, P&IDs and standard operating procedures.
* Completed Two years apprenticeship training as “Process Operator” from Attock Refinery Limited from May,4, 2009 to April, 30, 2011
* SRU Operations Training Course by Sulfur Expert.
* 2 Weeks official training at **PAK-ARAB REFINERY, Pakistan** for AMU, SRU, SWS units.
* OTS (Operator Training Simulator) Training in ARL
* “Permit to Work” by Attock Refinery Limited, Rawalpindi-Pakistan.

**HSE Skills**

* Attends daily safety talks and monthly safety meetings.
* Tests fire alarm function on weekly basis and announces emergency status if required.
* Implementation and follow up of HSE regulations, Work to Permit System, HAZARD Identification, Incidents Notification, JSA etc.
* Fully trained about work permit polices & PTW Systems (Permit to work)
* Get training for handling of fire & safety emergency in Attock Refinery Limited & also member of Emergency Response Team (ERT)
* Fully aware about use of the PPEs like breathing apparatus (SCABA) during emergency handling like sudden fires, gas release and use of gas masks & fire extinguishers.
* Safe Electrical lock out, tag out and try procedures/ Hazardous energy isolation
* Conduct tool box talks & pre-job safety meetings.

**Education Detail**

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| --- | --- | --- | --- | --- |
| **CERTIFICATES/ DEGREE** |  **Specialization** **(Main Subjects)** | **BOARD** | **Years Attended** |  |
| **From** |  **To** |
| DAE | Chemical Technology | **PBTE LAHORE** | **2005** | **2008** |  |
| SSC | Science | **BISE RAWALPINDI** | **2003** | **2005** |  |

**PERSONAL INFORMATION**

**CNIC #** 37101-6865665-5

**Date of Birth:** July, 22 1989

**Passport #** FM806652

**Professional Experience:** **10+ Years**

**Languages:** Excellent communication in English

**Marital Status:** Married

**Current Location:** Rawalpindi, Pakistan

**Relocation:** Acceptable

**Expected Salary:** as per company policy

**Availability:** Immediate Available