

MUHAMMAD JUNAID IQBAL

Mechanical Engineer

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Religion: Islam

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Marital Status: Single

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Domicile: Khushab



PEC Registration No: MECH/30593

OBJECTIVE

To be a part of a reputable organization where I can fully utilize my skills and make a significant contribution to the success of the employer and at the same time my individual growth.

EDUCATION

2011-2015	BE Mechanical Engineering Air University, Islamabad	<u>Second Position</u> (3.49)
2008-2010	HSSC (Pre-Engg) Fazaia Inter College Jinnah Camp Khanna Road Rawalpindi	(70%)
2006-2008	SSC (CS) Fazaia Inter College Jinnah Camp Khanna Road Rawalpindi	(72%)

COMPUTER SKILLS

MS Word, MS PowerPoint, MS Excel, ANSYS Design Modeler, ANSYS Fluent, ANSYS ICEM CFD, SolidWorks AutoCAD (2-D)

PROFESSIONAL EXPERIENCE

Trainee Mechanical Engineer at 40 MW Coal Fired Power Plant, Sitara Chemical Industries Ltd
(18-05-2017 to Present)

- Responsible for doing condition monitoring of all mechanical equipment once a month and creating its report.
- For preventive maintenance.
- Responding to any emergency situation at site.
- Managing the Mechanical man power on site.
- Using SAP software for maintaining the inventory. Creating material issue requests and generating purchase requisitions for new items.
- Creating job orders, generating permits and making sure the mechanical work is done on proper SOP.
- Functional knowledge of;
 - Bottom Ash Silo,
 - Fly Ash Silo,
 - Coal Handling System (No Plugging Crusher, Drum Screen, Dedusters, Conveyor),
 - Fabric Bag Filter,
 - Induced Draft Fans,
 - Forced Draft Fans,
 - Compressors, Roots Blower (Lobe type compressors),
 - Centrifugal Pumps (Single Stage, Multistage, Submersible),
 - Reverse Osmosis Plant,
 - Cooling Tower
 - Turbine (HTC 35 MW)
 - Boiler (WUXI 150 TPH)
 - Condenser
 - Vacuum Pump

Worked as a Site Engineer from Client side on the erection of **First Automatic Brick Making Plant in Pakistan**

- Responsible for resolving any problems faced by the contractor.
- Verifying the quality of jobs performed by them.
- Coordinating with Chinese engineers for performing specific jobs.
- Making sure the work on site continues smoothly.
- Involved in the installation of;
 - Silos,
 - Jaw Crusher,
 - Ball Mill,
 - Bucket Elevators,
 - Turbulent Mixer,
 - Belt Conveyors,
 - Pulse Jet Bag Filters,
 - Hydraulic Press Machine,
 - Autoclave Kettle,
 - Pipeline (Steam, Service Water, Air)

PROJECTS

Final Year Project

Effects of baffle orientation on pressure drop and heat transfer in a shell and tube heat exchanger

Most heat exchangers in the industry are Shell and tube type and all of them have their baffles at 90°, we made a 3D model of the heat exchanger with its baffle orientation modified and did analysis on it using ANSYS ICEM CFD and ANSYS Fluent for studying the effect on the pressure drop and heat transfer.

EXTRACURRICULAR ACTIVITIES

- Playing Badminton
- Reading
- Running

LANGUAGE SKILLS

- Urdu
- English
- Punjabi

Reference

Reference can be furnished on demand.