

# MUHAMMAD ALI

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## Education

### **UNIVERSITY OF THE PUNJAB**

Master of Philosophy in Coal Technology

- Secured 3.86 CGPA
- Got 2nd Position in Class

**Lahore, Pakistan**

2014-2016

### **UNIVERSITY OF THE PUNJAB**

Master of Science in Coal Technology

- Secured 3.45 CGPA
- Won 2 times as a team in Annual Sports Gala held by "Centre for Coal Technology" 2010-2012

**Lahore, Pakistan**

2010-2012

## Experience

### **ORION ENERGY PVT LIMITED**

Manager Yard Operations & Quality Control

One of the largest and leading importer & suppliers of coal & Chemicals in Pakistan

- Organizational Skills: Successfully designed and established coal stock yard for storing and handling of 50,000 tons coal.
- Organizational Skills: Successfully designed and established a coal testing Laboratory at stock yard.
- Coal Yard Management: Supervise and manage coal stock yard of different coals to avoid self-ignition and weight loss.
- Leadership: Supervising operation and maintenance team of 20 members at coal stock yard and coal lab.
- Development, planning, project management & time management: Successfully designed, established, and operated a mobile Testing Lab within 2 months.
- Design and development: Successfully designed logbooks, sheets, and reports of daily operations at coal yard and lab.

**Islamabad, Pakistan**

February 2023 – Present

### **PANTHER TYRES LIMITED**

Deputy Manager Coal Lab

Assistant Manager Coal Lab

One of the largest and leading suppliers and manufacturers of Tyres and Tubes in Pakistan

- Organizational Skills: Successfully designed and established a coal testing Laboratory and reduced steam cost 4.48% in 1 year. The lab can test and report more than 48 samples a day and generate 30-35 Million PKR annually.
- Coal Yard Management: Supervise and manage coal yards of different coals to avoid self-ignition and weight loss.
- Project Management: Managing the new RO Plant erection installation within 2 months.
- Leadership: Supervising operation and maintenance team of RO Plants, cooling towers, hot and cold-water system successfully from the past 6 years.
- Teamwork: Coordinated a team of 20 people to get certified with ISO-9001:2015.
- Design and development: Successfully designed logbooks, sheets and reports of daily operations and maintenance for Boilers [CFBC, HFO, WHR and Biomass], RO Plant, Coal testing, water testing and chemicals inventory.

**Sheikhupura, Pakistan**

January 2021 – January 2023

November 2016 – December 2020

## **AWAN TRADING COMPANY**

Assistant Manager Quality Control

Visiting Officer Quality Control

Chemist (Coal Technologist)

**Karachi, Pakistan**

March 2015 – October 2016

January 2014 – February 2015

November 2012 – October 2013

*A large import house that focuses on the supply of non-coking steaming imported coal of various origins.*

- *Coal Analysis: Analyzed 10-15 imported and indigenous coal samples daily in Laboratory.*
- *Coal yard Management: Stored different coals by following ASTM standards to avoid self-ignition.*
- *Time Management: Visited 2 industries daily in different cities for solving fuel burning related issues.*

## **BATALA STEEL MILL**

Coal Technologist (Coal Chemist)

**Lahore, Pakistan**

November 2013 – February 2015

*Pakistan's largest manufacturers of grinders, bars, T-Iron, and railway suppliers*

- *Coal Testing and Reporting: Analyzed coal samples and designed a coal testing report to evaluate the coal consumption per day.*
- *Quality Control: Tackled technical issues related to quality of coal in coal gasifiers.*

## **Academic Projects**

- **Research Thesis [M.Phil.]**
  - Co-firing of coal with biomasses during air-staging in a drop tube furnace
- **Research Thesis [M.Sc.]**
  - Compressive Strength of Blocks made of blends of Cement, Fly Ash & Sand

## **Honors and Awards**

- **Chief Minister's award**
  - Received merit-based Laptop Award from Chief Minister Punjab (2012)
- **Gold Medal**
  - Received gold medal in AMAL Career Preparation Fellowship [2019]

## **Additional**

- **SKILLS**
  - AutoCAD
  - SAP
  - Oracle
  - MS-Office
- **CERTIFICATIONS**
  - MS Office
  - AMAL Career Preparation Fellowship
  - Coal Analytical instruments
  - Decision Making and Problem-Solving Skills
  - Awareness of ISO 9001:2015
  - ISO 9001:2015-Standard and Risk Management
  - Implementation of ISO 9001:2015
  - ISO 9001:2015 Standard Guideline relevant to Automotive Industry.