

Muhammad Waleed

MEP, Chemical & HSE Engineer



waleedkhosa791@gmail.com

+966538665282

Al-Badiah, Riyadh, KSA Transferrable Iqama

Valid Driving License

PERSONAL STATEMENT:

Seeking for a career with profession oriented in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings. To get an opportunity where I can make the best of my potentials and contribute to the organization growth.

EDUCATION:

Degree	Year	Institution	Percentage/GPA
B.Sc. Chemical Engineering	2018-22	University of Engineering & Technology, Lahore, Pakistan	3.294
F.Sc. Pre- Engineering	2016-18	Government higher secondary school D.G.Khan, Pakistan	86%

PROFESSIONAL EXPERIENCE:

Hamad Al Alaiwi & Partners Co. (HAPCO), Riyadh, KSA (Jun 2023 – till present)

Project King Suad University (Cardiac Building)

- Responsible for maintenance of MEP system at the site for High Current Systems, Low Current Systems, Mechanical activities and Plumbing.
- Installation and Inspection of Low current system like Public Address, EIBS, Master clock, Fire Alarm System, CCTV system, Data system, Access Control System and Nurse Call System.
- Basic knowledge of Data Cabinet installation, cables termination and testing.
- Certificates, preparations of manuals, and clearing of punch list and inspection release notes.
- Coordinated plumbing system design with plumbing engineer and Consultants.
- Attending design coordination meetings with the technical department, consultant, and owner-side management.
- In-Charged in directing a team to perform operation and maintenance of HVAC equipment and pumps.
- Supervise and monitor manpower for Mechanical, Plumbing & Fire Protection activities and ensure that the activities conform to the approved sequence, work methodology, standards, and specifications.
- Guiding Electrical and Mechanical team to work accordingly Approved Drawings, Meetings with Consultant and Method Statements.
- Skilled in reading Drawings for all disciplines. (Mechanical, Electrical and Plumbing)
- Assisted In value engineering to optimize MEP system design.
- Review of plans and drawings, update of redlines, requisition of required materials per BOQ.
- Estimating material and consumables to be used at the site and giving demand to Project Manager for required resources to raise purchase requisition.
- Quotations for MEP material collecting from services provider and submitted to consultant.
- Making material submittal for delivered material for approval to be install.

- Conduct Inspection of MEP delivered material according to P/O and delivery note.
- Arrangements of all facilities & equipment's for MEP activities.
- Checking and verification of inspection-related documents such as material test.
- Conducted post-installation inspection of MEP system for compliance.
- Prepared technical specifications for MEP system components
- Conducted pre-installation system reviews with consultant.
- Developed project timelines for MEP system installation phases.
- Evaluate and check work accomplishments versus submitted billings.
- Prepare the work activity reports for monitoring and update to the Project Manager.
- Maintain quality records per procedures and ensure that the inspection and testing comply with the specified requirements.
- Maintaining record and archives to company standards.
- Managing manpower and resources for MEP activities.
- Conduct inspections for Quality Control and Quality Assurance program, reporting, findings and recommendations.
- Communication of Health Safety and Environment policy/plans throughout the system and ensuring its implementation.
- Guiding manpower and foremen to do work executed safety and strictly adhere to HSE policy.
- Participated in project risk assessment to identify MEP related activities.
- Attended Weekly meetings with Consultant regarding HSE issues.
- Conducted HSE induction of every newly hired employee.
- Effective Implementation of HSE Policy.
- Effective implementation of PTW System for all type of maintenance work.

DG Cement Industry, D.G. Khan, Pakistan

(Jun 2022-Jun 2023)

- Developed an understanding of the cement manufacturing process.
- Participated in process activities within various manufacturing departments, including quarry, production, maintenance, environmental, safety and quality.
- Calculated and evaluated Heat and Mass Balance.
- Raw grinding, Pyro process and Cement grinding sections.
- Prepared production plan on daily, weekly, monthly basis.
- Troubleshoot the plant operation in a coordination with department.
- Participated in maintenance engineering activities such as equipment inspection, preventive maintenance and reliability engineering.
- Undertaken performance testing and measurements on production equipment.
- Contributed to root cause analysis process for stoppages related to process issues.
- Developed and updated the standard operating procedures for control room operators so that the plant is running at optimum level at all times.
- Prepare estimate of production costs and production progress report for management.
- Use scientific, mathematical, and engineering principles to solve problems.
- Design, purpose, implement, review and correct plan to ensure company goals.
- Use computer to compile and analyze data.
- Design management and control systems for chemical plants based on data collected in laboratory experiments and in a pilot plant operation.
- Planned the yearly shutdown in terms of refractory in coordination with Maintenance.
- Created and implemented the process routines.

- Compiled with quality targets in all productive process.
- Monitored the pollution control activities in coordination with HSE department.
- Co-ordinated in stoppage and maintenance plan, from process department

Centre for Excellence in Molecular Biology, Lahore, Pakistan (Feb-April 2022)

- Intern engineer for Isolation of bacteria for fermentation of lactic acid.

PCMA, Lahore, Pakistan (Jan-Feb2022)

- Working with Pakistan Chemical Manufacturers Association as Trainee

Wisdom High School, D.G. Khan, Pakistan (April-Sep2020)

- Teacher of Science Subjects

PROJECTS:

Production of Poly Lactic Acid Heat Exchanger Design Distillation Column Design

CERTIFICATIONS:

MS Office Process Equipment Design Process Safety NEBOSH (Health and Safety) OSHA
Unit Operation Unit Process ISO 14001 (IRCA and CQI Approved) EMS

ENGINEERING SKILLS:

- Industrial Stoichiometry
- Industrial safety
- Site Safety
- Fluid Mechanics & Dynamics
- Process Simulation
- Material Engineering
- Instrumentation & control
- Industrial Equipment Design
- Cost Analysis
- HAZOP Study
- Plant Location
- Energy & Mass Balance
- Environmental Impact Engineering

GENERAL SKILLS:

Communication Leadership Problems Solving Creativity Project Management Time
Management Teamwork Writing Management Adaptability Decision-making Data
analysis

EXTRACURRICULAR ACTIVITIES:

- Member at American Institute of Chemical Engineers (AIChE)
- Member at Kaar-e-Kamal Welfare Foundation
- Member at Blood Donor Society UET
- Event Manager in Debating Society

Serial No. 2144521

Registration No.
2018-CH-264

University of Engineering & Technology
Lahore



This is to certify that
Mr. Muhammad Waleed
Son of Mr. Ghulam Yaseen
has completed all the requirements for the award of
*B.Sc. degree in **Chemical Engineering***
on 31st August 2022 securing a
CGPA of 3.294 (Three Pt Two Nine Four) /4.0
He has accordingly been admitted to the Degree of
Bachelor of Science
in
Chemical Engineering



Controller of Examinations

Countersigned

Lahore

Dated: 05 DEC 2022

Chancellor



nebosh

NEBOSH International General Certificate in Occupational Health and Safety

This is to certify that

Muhammad Waleed

was awarded this qualification on

07 December 2022

Les Philpott
Chair

Dee Arp
Accountable Officer

Master log certificate No: 00712676/1326624

SQA Ref: R630 04



**The National Examination Board in
Occupational Safety and Health**

Registered in England & Wales No. 2698100
A Charitable Company Charity No. 1010444



OSHAcademyTM
Occupational Safety & Health Training

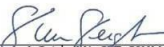


*Certificate of Completion
Professional Development Program*


This is to certify that
MUHAMMAD WALEED

Has demonstrated academic excellence with distinction by completing all academic requirements in this 30-hour OSHAcademy Professional Development Certificate Program presented by OSHAcademy Authorized Training Provider (ATP), Technocrats Institute of Occupational Safety and Health. This achievement demonstrates commitment and professionalism in the field of Occupational Safety and Health.

**General Industry
Safety and Health**


Steven J. Geigle, OSHA, OET, CSHM-E
Director, Instructor
OSHAcademy Safety and Health Training

197334-146 11-05-2022
Student # Issue Date


Aamir Naveed
Director, Technocrats Institute of
Engineering and Technology
Faisalabad, Pakistan
ATP #: 20120525AN



Validate Certificate
Certificates can be validated through the
OSHAcademy website.
Validation Code: 197334-146-332-ab9a
www.oshacademy-atp.com/verify



The content of this training conforms with U.S. Department of Labor (OSHA) training standards and ANSI Z490.1, Criteria for Accepted Practices in Safety, Health and Environmental Training.

HSE CERTIFICATIONS:

- **NEBOSH IGC**
- **OSHA 30 hours**

TRAININGS:

- Introduction to Safety Management
- Effective Safety Committee Operations
- Effective Accident Investigation
- Safety Supervision and Leadership
- Safety Management System Evaluation
- Emergency Action Plans
- Fire Prevention Plans
- Ladder Safety
- Fire Safety
- Life Saving Rules

SOFTWARE PROFICIENCY:

- ✓ Microsoft Word
- ✓ Microsoft Excel
- ✓ Microsoft PowerPoint
- ✓ ASPEN

INTERPERSONAL SKILLS:

- ✓ Leadership Qualities | Teamwork spirit
- ✓ Analytical Skills | Self motivated
- ✓ Learning new things | Quick Learner
- ✓ Target Setting | creative mind
- ✓ Event management | Effective Communication
- ✓ Persuading Mind | Administrative Skills

INTERESTS:

- ✓ HSE | Oil and Gas Fields | Chemical Projects
- ✓ Process safety | Industrial Safety
- ✓ Unit Operations | Chemical Industry Equipment Design
- ✓ Project Management | Office management
- ✓ Entrepreneurship | Team Leading
- ✓ Online Events | Blood Arrangement
- ✓ Morning Walk | Socializing | Decent Clothing
- ✓ Book Reading (personal development)

CERTIFICATE

of Achievement for

ENVIRONMENTAL MANAGEMENT SYSTEMS TRAINING

This Certificate is being awarded to:

MUHAMMAD WALEED

Hereby issued the Certificate Number:

BTE/C2115/01:0225

CQI and IRCA Unique Identification Number:

609338

Subsequent to successfully passing the required Assessment and Examination for:

PR315 ISO 14001:2015 Lead Auditor

(Environmental Management Systems) Training Course

Course Dates: 03/01/2025 TO 11/01/2025

Course Number: 1833 Certified by the CQI and IRCA

Originally Issued: 18/02/2025

For BSCIC CERTIFICATIONS PVT. LTD.:



Sanjay Seth
Managing Director

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For CQI and IRCA Auditor Membership/Certification, application to be made within 5 Years from last day of course
BSCIC, CQI and IRCA Approved Training Partner, www.bsc-icc.com
BSCIC, &work, Plot 5B, Sector 15A, First Floor, Crown Plaza Mall. Faridabad, Haryana, India, PIN – 121007

