

# MUHAMMAD EHTASHAM

## EHS Engineer

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### Profile Summary

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An enthusiastic, hardworking and capable **EHS Professional** with solid **4 years of experience** in the field of Environment, Health and Safety (EHS) with one of the leading Engineering Consultancy in construction industry and 10 months of experience in installation and commissioning of water treatment systems. Currently working as EHS Engineer.

### Objective

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Seeking an employer that can properly utilize my existing skills and experience to raise Health, Safety and Environment standards of the organization, to promote safety culture by implementing organizational EHS programs, conducting risk assessments, reviewing and updating EHS policies, presenting safety trainings, sharing instructions and information to employees for achieving zero incident/accidents while further enabling my personal and professional development.

### Skills / Fields of Experience

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#### KEY SKILLS

Construction Environment, Safety, Social Management Plan (CESSMP)	Health and Safety Management Plan (HASP)	Reviewing of EHS Policy, Plans, SOPs, Method Statement, Procedures
Review of EHS Monthly Reports, Biannual reports	Regular HSE inspections	Risk Assessment/JSA/JHA
HSE meetings	HSE safety Walk/Audits	Accident Investigations
Root Cause Analysis	HSE KPIs	Open Communications
Non-conformance Report (NCR)	Corrective Actions	HSE Trainings
HSE Reporting	Daily NCs Tracking Sheets	Emergency Response Plan
Time Management	Ownership/ Dedication	Leadership
First Aid	PPEs	Human Behaviour

## Education and Qualifications

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<b>Master of Engineering: (M.E)</b>	<b>Energy &amp; Environmental Engineering</b> (Mehran University of Engg. & Tech., Jamshoro, Ongoing)
<b>Bachelor of Engineering: (B.E)</b>	<b>Chemical Engineering- 3.21/4.00 CGPA</b> (Mehran University of Engg. & Tech., Jamshoro, PK- March 2015)
<b>Intermediate:</b>	<b>Pre-Engineering</b> (Hyderabad Board, 2010)
<b>Matriculation:</b>	<b>Science</b> (Hyderabad Board, 2008)

### Trainings/Short

### Courses/Certifications/ Membership(s):

- Pakistan Engineering Council (PEC) membership CHEM/13891
- IOSH Managing Safely (V 5.0)
- Global OSHA USA
- Certification in scaffolding safety standards
- Certification in confined space safety
- Attended 3 day “Occupational Health and Safety” Hazard Identification and Risk Assessment 5<sup>th</sup>-7<sup>th</sup> November 2018 (1 Credit Point from PEC)
- Attended one-day training on Environment Assessment for environment safeguard staff by Asian Development Bank (ADB) at Avari Hotel, Karachi on July 29, 2019.
- Participated in Hazardous solid waste disposal facility awareness session arranged by Consortium of AI Tariq-GeoLinks.
- Participated in Emergency Rescue session conducted by Civil Defence Karachi
- Participated in Basic First Aid awareness session conducted by Civil Defence Karachi
- Participated in Basic CPR awareness session arranged by Civil Defence Karachi.
- Attended awareness session on ISO 22000 Food Safety

## Work Experience

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July 2017 – June  
2022

### MM Pakistan (Pvt.) Ltd

Worked as EHS Engineer in MM Pakistan, Project Implementation Consultants (PIC) on Jamshoro Power Generation Project (JPGP), (EPC project, ADB as lender) by performing responsibilities not limited to following:

- Assist and working in close coordination with line manager and team leads to achieve objectives and organizational goals.
- Review, implement and monitor occupational health, safety and environment policy, programs, and procedures.
- Working in close coordination with the environmental staff of EPC and Client to maintain site compliance with CESSMP, HASP, SOPs, Method Statement, ADB and IFC guidelines, as and where applicable.
- Primarily responsible for the implementation of the EMP of the EIA, corrective actions and further report to client.
- Arranging and coordinating weekly Safety walks/audits and meeting with Contractor.
- Reporting contractor non-conformances/observations through minutes of meeting (MoM)/ Non-Conformance tracker sheet/ Social media handle for taking corrective actions in a timely and effective manner.
- Generating Non-conformances report for high/severe risk activities and asking contractor for compliant at earliest.
- Reviewing and assessing contractor's monthly EHS reports, identify any gaps in them and evaluate adequacy of mitigation measures where needed.
- Ensures adherence of permit to work (PTW) and other safe work practices inside the project boundary.
- Carry out safety inspections in workplace.
- Ensuring that all site activities are conducted in compliance with HSE policy and procedures.
- Ensuring that all site activities are conducted in compliance with all applicable statutory standards and/or regulations.
- Ensuring that risks in the work environment are maintained at a level which is as low as reasonably practicable.
- Conducting and/or participating in risk assessment and hazard analysis and evaluations audits.
- Conduct/Review incident investigations and reports.
- Organizing and/or providing internal HSE training.
- Reviewing HSE procedures for adequacy and accuracy.
- Conducting physical inspections of worksite.
- Visual inspections of facilities, equipment, materials, earth moving machineries so that construction activities run smoothly.
- Ensure daily toolbox talk conducted before commencing site activities and workers taught regarding what is safe or unsafe.
- Ensuring welfare facilities are provided at site location.
- Ensure social compliance associated with workers
- Ensure Workers Accommodation meet the relevant IFC Workers Accommodation guideline and procedures
- To highlight areas where training/certification is required to meet the standards imposed by Legislation/Law.
- To set a personal example by wearing appropriate personal protective clothing/equipment and observing all safety requirements/procedures.

**Assignments Supervised during the Employment Period:**

- EPC Lot I-Construction of 660 MW Coal Fired Power Plant
- Construction of Channels for Cooling tower blow down (Site Remediation Lot II)
- Domestic Municipal waste Disposal facility (Site Remediation Lot III)
- Hazardous Solid waste disposal facility and associated Civil works (Site Remediation Lot IV)
- Colonial sewer treatment plant (Remediation Lot V)
- Soil Remediation (Remediation Lot VI)

Nov 2016 – May 2017

## Crystal Water Services

### **Installation and Commissioning of 100000 GPD RO Plant and MBR at Nestle Kabir wala, Multan**

(worked as **HSE Incharge cum site Incharge** by performing following activities not limited to following):

- Conducting Daily toolbox talk (TBT) session with the workers in which different topics discussed and instruction, awareness provided to work safely.
- Safety induction programme for new comers.
- Inspection of Power Tools and Tagging. Re-tagging in case previous tagging reaches its expiry.
- Regular HSE Site Inspections.
- Provision of First Aid and emergency facilities
- Provision of Personal protective equipment's (PPE's) including (safety helmets, cotton gloves, safety footwear, coveralls, ear plugs, dust masks, safety goggles, harness belt with shock absorber, welding face shields, welding gloves) to the workers.
- Getting General work permit from Client (involves demolition, construction and any activity not covered under any other permit)
- Before the start of job identification of hazard includes [source of {Electrical/Steam/Pressure}, Use of electrical appliances, demolishing work, falling objects, Chemical exposure, slip, trip or fall, poor lighting, Vehicle/ fork lifters movements in surrounding, improper ventilation]
- Safety precautions taken to control the associated hazards (area barricade, PPE provided to the workers, cables or wires removed from the floor, measures taken after assessing the risks). Work at Height permit in case of working at height above 2 m.
- Hazard Identification before issuing work at height permit.
- Hot work permit (hot work, grinding, cutting, joining).
- Coordination with field supervisors and client HSE representatives for safety issues & rectifications.

#### **Other Responsibilities include:**

- Miscellaneous administrative works.
- Tools, machinery and equipment inward and outward processes.
- Preparation of daily progress log, reporting to manager.
- Transportation and accommodation arrangements.

### **Installation, commissioning & automation of RO plants at LUCKY ONE MALL:**

**(Site Engineer)**

- Installation and Commissioning of RO Plant. Dosing Station Placement. RO Membranes Installation. Pumps flow checks, Pneumatic valves operation.

March 2016 – September 2016

## Fluid Chem Technology

**(Trainee Service Engineer)**

- Mainly involved in treatments and chemical maintenance of cooling towers and RO plant cleaning.
- Installation and Commissioning New R.O Plants.
- Ensuring appropriate and adequate safety equipment's are don while handling chemicals.
- Water Analysis such as pH, Total Hardness, TDS, TSS, Conductivity etc.
- Understanding of boiler and cooling system failure mechanisms (corrosion, scaling, fouling) and chemical treatments.

## Personal Qualities

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- Is a pro-active, reliable, smart worker and good team man
- Strive to improve job performance
- Proven ability, maturity and confidence to deal with a diverse range of personnel
- Supportive to individuals with a range of learning styles
- Ability to work in varying environments
- Rapid communication
- Demonstrate a passion for developing others
- Committed to personal development
- Can take ownership for problems and assignment to resolution

## IT and Linguistics Skills

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- MS Office package (Word, Excel, PowerPoint)
- Good Typing Skills
- Good Communication Skills (English, Urdu and Sindhi)

## Personal Details

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**Date of Birth** : 19-01-1993  
**CNIC Number** : 41204-0674392-5  
**Marital Status** : Married  
**Passport Number** : TH1173921