

PERSONAL INFORMATION



WAQAS AHMAD MUHAMMAD RIAZ

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PERSONAL STATEMENT

I have **Six year experience** with an extensive background in multiple geological fields including constructing, geotechnical, hydrological and mining. As an organized and highly creative individual, I love the challenges of working with a dynamic and fast paced working environment. The knowledge gained from my corporate experience with companies has shaped my ability to adapt quickly, work efficiently, think creatively and work effectively as part of a team or on my own.

WORK EXPERIENCE

July 2020 – Present

Material Engineer

Project:

LIFESTYLE RESIDENCY

A project of 14 Towers, each Tower is (3B+G+17) which consist of 3240 residential apartments, car parking basements, shopping malls, Masjid and gymnasiums.

EHFPRO

www.ehfpro.org

Address: EHFPRO H# 78, Street 487, G13/1, **Islamabad Pakistan**.

- Supervision, surveillance of the Construction site to ensure quality construction activities are being carried out by contractor as per approved materials.
- Supervision of concrete mix designs and also supervise the all earthwork, Aggregate and concrete structure, Inspection of steel, Cement, curing compound and Admixture.
- Supervise all Lab work, aggregate quality testing, concrete testing etc and Witness all tests of concrete and steel to ensure compliance with specifications and relevant building codes.
- Preparation of daily and weekly progress report, to update the office and the seniors.

February 2018 – February 2020

QA/QC Lab Manager

Project:

Apron Construction for CAE Oxford

Authorized Training Center at

Dammam Air Port,

Road and workshop Construction at

KFUPM,

Construction of ARASCO Port Parking

at Dammam.

Road construction at Saudi Custom

Housing Air port Dammam

AL-WABIL GROUP

www.alwabilgroup.com

Address: Al Wabil Group of Companies, **Dammam, Kingdom of Saudi Arabia.**

- Responsibility to ensure that work carried out fully accordance with project quality standard plan.
- Ensure that the road is constructed in accordance with the Technical Specifications
- Attend all activities on site and laboratory that ensure their compliance with QC requirement
- Supervision of concrete mix designs and asphalt mix design and also supervise the all earthwork, ABC, asphalt & concrete in lab and maintain records of test results
- Provide technical supervision of field inspection and testing staff at construction sites
- Maintain and calibrate performance testing equipment.
- To optimize the use of available material resources to minimize costs to the Client, to maximize the quality of the Works, to expedite construction and to optimize the use of natural resources and ensure environmentally as well as socially sustainable construction
- Maintain records of test results and all corrective actions taken

December 2016 – January 2018

Geologist

Project:

Geotechnical testing for Balakot Dam,

Prefeasibility for MMM motorway,

Geological Mapping and Soil Testing for

Pavement Design Study along roads

(FATA) etc.

Geotechnical work for lohi bhair &

korang bridge on railway track along

south & north lanes, service road.

GEO ENGINEERS ISLAMABAD

www.geoengineers.pk

Address: Geo-House, Sohan Main Highway, near **Faizabad, Islamabad Pakistan.**

- Surface Geological and Engineering Geological mapping.
- Geotechnical Investigation for Roads, Buildings, Bridges and Hydropower projects.
- Electrical Resistivity Surveys (ERS)
- Carry out classification, identification and creation of Geological Description of soil and rocks; accordingly prepare Borehole Logs as per American and British standards
- Competent in using various techniques including cartography, mapping, graphical representation of data, data analysis and data interpretation
- Managing staff, including other Engineering Geologists and advise consultants and contractors

March 2015 – October 2016

Geologist /Project Coordinator

Project:

Mineral Exploration for Molybdenum

(MEDO –FWO)

Assistant Geologist

Project:

Water master Plan Thar Coal, Drilling

for coal exploration, Drilling and tube

well installation

DEEP ROCK DRILLING PRIVATE LIMITED

www.drilling.com.pk

Address: 10/15-2A, Block-3, Hussaini Co-operative Housing Society, **Karachi Pakistan.**

- Supervision of drilling operations, sampling and core analysis for Geological, Geotechnical and Hydrological Studies and Sample description with the help of rock cutting.
- Monitoring geophysical logging (Gamma-Gamma, Natural Gamma, Resistivity SP, SPR, Caliper log and flow meter)
- Interpretation of subsurface lithologies on the basis of Gamma ray logs and Drilling parameter
- Hydrogeological investigation, installation of tube well, aquifer testing (72 Hours Short Pumping Test & 30 Days Long Pump test), isotopic water sampling, analysis and report preparation.
- Data logger installation and monitoring.

EDUCATION

September 2010 – September 2014	Bachelor of Earth Sciences (Geology) COMSATS Institute of Information Technology, Abbottabad, KP, Pakistan.	CGPA: 3.62 (86%)
August 2008 – April/May 2010	Intermediate (High Secondary School) Government Post Graduate College No.1 Abbottabad, KP, Pakistan.	Percentage: 68.3%
April / May 2008	Matriculation (High School) Government High School No. 3, Abbottabad, KP, Pakistan.	Percentage: 73%

Professional Diplomas/Certificates

March 2015 – March 2017	Post Graduate Diploma in Environmental Engineering Professional Skill Educational Council Pakistan Zain Institute of Occupational health and safety Pakistan
November 2020	Certificate in “ General Industry Safety and Health” 30-Hour OSHAcademy Professional Development Certificate Program by ATP, Technocrats Institute of Engineering and Technology
April/May 2021	Certificate in “Managing Safety V 5.0” by Institutional of Occupational Safety and Health (IOSH)
February 2016	SUPERVISOR SAFETY by Deep Rock Drilling (Pvt) Karachi During Water Master Plan Project

Mother tongue(s)

Urdu

Other language(s)

English (Speaking, Writing & Listening) & Arabic (Basics Speaking and Listening)

Communication skills

Technical Writing Skills: wrote technical reports while working with different organization of Pakistan.
Good communication skills developed during study in university
Excellent presentation skills

Organisational / managerial skills

Leadership: Project Coordinator in Deep Rock Drilling and leading group of geologist in field.

Job-related skills

Having good knowledge of sedimentology, structural Concrete and Asphalt Mix designs. Geological mapping Geological core logging Tubewell installation and developments	Construction materials Stratigraphical logging & sample collection Rock and Mineral identification Data logger installation and monitoring Interpretation of geophysical well logs
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Other skills

Command on different software's

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| • CorelDrawX6 | • Global mapper | • ArcGIS 10.1 (Basic) |
| • Rockworks 16 | • Surfer 13 | • Schlumberger Petrel (Basic) |
| • Starter v3.2 | • Google Earth Pro | • Aquifer Test Pro (Basic) |
| • Log Plot 7 | • Solinx Levellogger | • AutoCAD 2010 (Basic) |

High competency levels in all aspects of Microsoft applications (MS Office, Microsoft Windows).

Conferences

Asian Monsoon and Climate Change (20th-21st January 2014)

Honours and awards

Silver medalist in BS Earth Sciences

Memberships

All Pakistan Geoscientist Association (APGA)
Saudi Council of Engineers (Membership Number: 411998)

References

Dr. Muhammad Zahid Khan Associate Professor Department of Earth Sciences CIIT Abbottabad. Email: mzahid@ciit.net.pk (Academic Reference)	Dr. Fuzail Siddiqui P.Geo. Office #1067, St. 1, Block C, Police Foundation O-9, Islamabad. Email: siddiquif@ynhco.com (Professional Reference)	Mr. Ghulam Asghar Senior Field Geologist Deep Rock Drilling Private Limited Email: ghulam_asghar@drdl.com.pk (Professional Reference)
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