

Shahjehan
Engineering Geologist. Mobile:
0544746528
Email: shahjehan9191@gmail.com
Linkdlen: <https://www.linkedin.com/in/shah-jehan-b6b140255>
Transferable Iqama: 2600857912



Career Objective

To leverage my 5 years of experience in geotechnical engineering projects at site and laboratory and hydropower projects, including laboratory testing, drilling and grouting supervision, rock classification, and concrete supervision, in a dynamic organization. I aim to contribute my technical expertise and project management skills to ensure quality, efficiency, and compliance in geotechnical and construction operations while continuously enhancing my knowledge and professional growth.

Summary

A dedicated professional with 5 years of experience in hydropower projects, specializing in laboratory test supervision (sieve analysis, FDT, etc.), drilling and grouting supervision, rock classification, and concrete supervision. Skilled in maintaining office records and ensuring compliance with project standards. Adept at working in challenging environments and delivering high-quality geotechnical and construction operations results.

Professional Experience

About 05 Years' Experience as a Site Geologist and Site Inspector:

Work Experience

Geotechnical Engineering Projects in the Site and Laboratory

Company: Gulf Consult

Period: September 2022 to November 2024

Designation: Field Geologist

- Cone penetration test(CPT), Standard penetration test (SPT)
- In situ permeability (pump or slug test), Plate loading test
- Percolation test, Permeability test, Packer test(lugeon test)
- Bore hole logging and sampling, Rock quality designation test
- Unconfined compression test, Atterberg limits test (Liquid Limit, Plastic Limit, Shrinkage Limit)
- Permeability test in bore hole(peizometer method), Pressure grouting test
- Water pressure test, Grout take test, Squeeze test

Work Experience

Baynunah geotechnical laboratory, Musaffa, Abu Dhabi

Period: July 2020 to June 2022

Designation: junior field geologist

Responsibility

Field test

- Sampling and storing the core sample, Stand pipe piezo meter test
- Describing TCR, ACR, and RQD, Field density test

Lab Test

- Atterberg limit, Sieve analysis, Slump test
- Proctor test, Grain size analysis, Cement test
- Point load test, California Bearing ratio (CBR)
- Permeability test, Moisture Content Determination

Work Experience

Khattak Banda Hydropower Project, KPK, Pakistan.

Client: Directorate General Small Dams, Irrigation Department KPK, Pakistan.

Consultants: Pakistan Engineering Services.

Period: August 2019, till June 2020

Designation: Geologist, Site Inspector, Lab Technician.

Primary responsibilities and duties:

- **Laboratory Test Supervision:** Conduct and oversee geotechnical and material testing, including sieve analysis, field density tests (FDT), and other quality control tests to ensure compliance with project specifications.
- **Drilling and Grouting Supervision:** Monitor and supervise drilling and grouting activities for foundation strengthening, ensuring proper execution, quality assurance, and safety compliance.
- **Supervision of Access Roads and Canal Structures:** Oversee the construction and maintenance of access roads and canal structures, ensuring proper alignment, compaction, drainage, and durability according to project requirements.
- **Rock Classification:** Perform geological assessments and rock classification to determine suitability for construction, excavation, and stabilization in hydropower projects.
- **Concrete Supervision:** Oversee concrete batching, pouring, and curing processes, ensuring adherence to mix designs, workability, and structural integrity requirements.
- **Office Record Management:** Maintain accurate project documentation, including test reports, daily logs, material records, and quality control data for seamless project execution and audits.
- Examine and compile geological information to provide technical data to a geologist.
- Regular day-to-day communication with the Senior Geotechnical Engineer regarding sampling and testing.
- Issuing the tags for the Material receiving in the Laboratory.
- Issuing the test data sheet for the required tests.
- Monitoring the test procedures.
- Maintaining all the records of equipment calibration.
- Maintaining all the records of summaries of test results.
- Developed work progress reports involved in Material Testing.
- Critical reviews of Material Testing.
- Review of all documents and specifications.
- Verification of work before and during work.
- Follow-up field construction, Laboratory Technicians work to ensure conformity with project requirements.
- Maintaining the quality of testing as per the requirements of the Client.
- Checking the quality of materials issued at the job site for the construction.

Academic Qualification

- **BS Geology (2019)**
 - **Institute:** Bacha Khan University Charsadda, KPK, Pakistan.
 - **Grade:** B, CGPA 3.09/4
- **H.S.S.C (Pre-engineering)(2015)** ○ **Institute:** Government College Peshawar, KPK, Pakistan.
 - **Grade:** B.
- **S.S.C (Science)(2012)** ○ **Institute:** BISE PESHAWAR, KPK, PAKISTAN ○ **Grade:** A.

Bachelor Research

- Feasibility report of Samana Suk formation for its use in road constructions as aggregate base coarse.

Seminars/Workshops

- PAPG Student Paper Contest (SPC-2018).
- Annual Technical Workshop ATC 2018.

Distinctive Competencies/ Skills

Technical:

- Expertise in Microsoft. Word, PowerPoint, Excel & ArcGIS.
- Coral Draw.
- Typing speed: 30WPM.
- Use of a Polarizing microscope.
- Strong internet browsing.

Communication Skills:

- English
- Urdu
- Pashto

Certificates/ awards

- Diploma of Information Technology (DIT)
- Material Testing Certificate from CTTI Islamabad.

Personal Info.

- **Date of Birth:** 04-03-1995
- **Marital Status:** Married
- **Nationality:** Pakistani
- **Current Address:** Riyadh, Saudi Arabia