

Ali Osman Nour

Geotechnical Engineer

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Al Wakra, Qatar

Summary

Experience in geotechnical works and soil investigation, desk studies filed supervision and management, gathering field and laboratory data and preparation of geotechnical interpretative report include geotechnical design parameter and recommendation, scheduling, analyzing and validation of the laboratory tests results of soil and rock.

Skills and Expertise

- Geological and Geotechnical studies, identification and classification of soil and rock types and geological characteristics, subsurface formation, geological process and rock mass classification, identification geological hazard, preparation of interpretive geotechnical report.
- GIS modeling and Remote Sensing: Greatening geo-database, generate geographical and counters maps spatial analysis, site selection using weighting multiple criteria, satellite images composition and treatment, supervised and non-supervised classification of satellite imagery.
- Engineering geology and environmental, landfill site selection and west management.
- Computer Knowledge and software's: MS office, **Geotechnical**; gINTv8i, Geosystem, **GIS & RM**; ArcGIS, Global mapper, Erdas Image, Envi, Google Earth pro, Surfer. **Image treatment**; Photofilter, Photoshop
- Basic knowledge of MapInfo, CorelDraw, Steronet, Periel, Visual Basic and Racket.
- Language & communication skills: **full professional proficiency in English, French and Arabic Native.**
- Driving licenses: **Qatar, Saudi Arabia and Sudan.**
- **Authorized Geotechnical Engineer- Ministry of Environment (MoE), Qatar.**

Work History

Geotechnical Engineer

Al Hai and Al
Mukaddam for
Engineering Works

March 2014 – Present

- Responsible for planning, direction, execution and of ground investigation works.
- Preparation and interpretation of field test data for the finalization of Geotechnical investigation reports.
- Design and scheduling of appropriate laboratory testing program for related soil investigation report as per the project specification and recognized standards.
- Analyzing and evaluation the soil and rocks tests results for geotechnical report.

- Logging and description of soil and rocks in accordance to the BS 5930, ASTM, Clark & Walker, and preparation of borehole logs.
- Preparing a comprehensive soil investigation report
- Verification of all laboratory test reports.
- To inform the drillers and rig operators of any change in Quality Policy and Quality Management System and its related documentation.
- Supervise the proper maintenance of drilling rigs and accessories.
- Maintain records related to geotechnical investigation, field test data and maintenance of rigs and equipment.
- to maintain the high standards of quality in all aspects of the Geotechnical activities in accordance with ISO/IEC 17025:2005, ISO 9001:2008, Ministry of Environment in Qatar, ASHGHAL Quality and Safety Department regulations.
- To recommend staff training to improve quality of operations.

**Engineering Geologist /
Geotechnical Engineer**

Soil & Foundation
Company Co.Ltd.
(Safco – KSA)

March 2013– March 2014

- Prepare and writing Geo-technical report, include all technical recommendation for geotechnical design, determine the depth and characteristics of the different subsurface formations, the required foundation depth, the suitable and economical type of foundation, the allowable bearing capacity, and expected settlement under the proposed foundation.
- Assist Project manager
Management of the geotechnical investigation work and supervision of the site investigation,
- Planning and coordination of geological and geotechnical data collection according to the set standards and procedures.
- Rock mass Classification using geotechnical classification such as; RMR, Q system and RQD.
- Undertook desk studies an assessment sources of site information prior to the field investigation.
- Perform site visit and prepare inspection report and sub-surface profile.

Lecturer

Red Sea University

Sep 2010 - Nov 2012

- Teaching and assisting in the delivery of academic courses for undergraduates (3rd to 5th year) **General and Engineering geology Courses: General geology, GIS, Remote Sensing, Oceanography, Engineering Geology 1&2, soil mechanics, rock mechanics 1&2 and geology of building materials.**
- Engineering geology, Rock Mechanics, Geology of building materials and rock mechanics courses.
- Processing and evaluating assignments, quizzes and exams.
- Providing course manuscripts, handouts.
- Teaching engineering geology courses.
- Administration work and supervising student's projects.
- Performing regional geology field trips with the students, identification of

the rock types and lithology, field observation and reorganization of the structural geology.

- Assisting in the Faculty Committee for Accreditation of the Engineering geology curriculum.
- Head of department of Engineering geology 2011-2012.
- Conducting many researches and scientific publication.

Teaching Assistant

Red Sea University

Dec 2006 - Dec 2008

- Helping students to use text books, solve exercises on the topics discussed in the lecture.
- Responsible for the preparation of the laboratory manual, preparation of experiments, teaching general Laboratory Rules, Policies.
- Teaching to the students dealing effectively with Lab Apparatus, and Facilities to conduct soil mechanics testing.
- Responsible for the teaching, supervision and assessment of the students in the lab.
- Member in the scheduling and advising committee.
- Member in the scheduling of the field trips and supervision of the daily filed activities.

Education

Master of Geotechnics and Geological Engineering , Chouaib Doukkali University, Morocco.	2010
B.Sc. in Engineering Geology , Red Sea University, Sudan.	2005

Professional Affiliations

Authorized Geotechnical Engineer- Ministry of Environment (MoE), Qatar.

Member of the International Society for Rock Mechanics (ISRM)

Applicant Fellowship, The Geological Society of London, UK.

Member of International Association for Engineering geology and the Environment (IAGE),
