

Geotechnical Engineer

Job Title:

Geotechnical Engineer

Division:

Geotechnical Division

I- Function:

- To assist the Head of Geotechnical Division in planning and executing soil investigation works, inspection and consultation projects.
- To direct and carry out technical interpretation of soil and geotechnical data.
- Update and improve the accuracy and efficiency of testing and reporting systems, processes and procedures related to the Geotechnical Division.
- Remains updated with latest technical issues in geotechnics and geotechnical engineering.
- Oversee technical and logistical activities in geotechnical projects undertaken by the Geotechnical Division.
- To ensure a smooth and efficient day-to-day operation of the Geotechnical Division.
- Provide scientific judgment and interpretation of investigation and test results.

II- Reporting:

- Senior geotechnical engineer
- To the Head of Geotechnical Division.

III- Supervising:

- Geologists.
- Drillers.
- Assistant Drillers.
- Technicians and Labors working for the Geotechnical Division.

IV- Duties and Responsibilities:

- Analyze data and soil samples through field and laboratory analysis to determine type, classification, characteristics, and stability of soil.
- Coordinate with Head of Geotechnical Division/senior geotechnical engineer for testing samples for the geotechnical Division and the schedule of such testing.
- Prepare project schedule and ensure that schedule is timely met.
- Sign and approve testing work orders for the laboratory on behalf of the Geotechnical Division.
- Coordinate with Drilling Department or External Drilling Subcontractors cost, logistics, sequence and schedule of drilling under the directives of the Head of Geotechnical Division.
- Determine if fault or fractures in soils would be detrimental to construction plans.
- Compute bearing weights and prepares maps, charts, and reports of test results.
- Make recommendations regarding foundation design, slope angles, grading, or building heights or any other geotechnical related matter.
- Supervise, train and evaluate assigned staff in the Geotechnical Division.
- Provide timely, accurate service in response to the Head of Geotechnical Division/senior GE requests.
- Control testing activities during construction projects; spot check data for errors.
- Meet with inspectors, engineers, contractors, and/or developers to determine corrective action required when there are discrepancies between work done and the approved plans, specifications and standards.
- Other duties may be assigned.

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V- Co-operation and Contact:

- With drillers, field supervisors and engineers.
- With staff in the Geotechnical Division of the company.
- With staff from other Divisions and Departments of the company.
- With the Quality Manager and Quality officers and auditors from the company and with other auditors as directed by the HGD.
- With clients, suppliers and subcontractors at all levels.

VI- Qualification

Education and Experience:

Bachelor's degree B.S.in engineering or relevant science - 3 years program from a college or university with a 4 year experience in geotechnical works or Bachelor of Civil Engineering - 5 years program with a minimum 2 year experience in geotechnical works.

Language Ability: (Arabic, English)

Arabic: Read, Spoken, Written.

English: Read, Spoken, Written.

Skills:

- Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations.
- Average skills to write reports and business correspondences.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.
- Ability to work under pressure.

Computer Skills :

Internet software, E-mail, MS office, Inventory and database software.

VII- Work Environment:

While performing his/her duties the Geotechnical Engineer might be exposed to environmental and physical hazards such as: wet and/or humid conditions, precarious equipment and working areas, fumes, miscellaneous weather conditions, lifting heavy items, loud noise and airborne particles.

Authorized by General Manager

Name:

Date:

Signature:

Agreed by Geotechnical Engineer

Name:

Date:

Signature: