

Geologist for Hydropower Project

Position Title: Geologist

Location: Jomori, Samdrupjongkhar

Reports to: Project Manager

Duration: Full Project Duration

Roles and Responsibilities:

The Geologist will evaluate the geological conditions of the dam abutment, foundation, underground excavation, instrumentation, conducting site surveys and geological assessments to ensure the feasibility and safety of the construction process. Produce geological reports and proposals, geological mapping, completion report (geological part)

Skills and Expertise Required:

- **Geological Surveying:** Proficiency in conducting geological surveys, develop geological mapping, soil and rock testing, and groundwater analysis.
- **Geological Risk Assessment:** Ability to identify and assess geological risks (e.g., landslides, seismic activity, soil stability) and recommend mitigation strategies.
- **Site Evaluation:** Experience in evaluating excavated face of underground works and open excavation, rock classification based on q values, treatment procedure of shear seams and faults, drilling patterns, specific charges, geological mapping, installation of instruments and record readings, grouting works and water test, prepare geological report and maps. Assessment of impact of blasting in the vicinity of Construction site. Advise on quarrying, mineral quality.
- **Data Analysis:** Strong analytical skills for processing geological data and providing accurate reports and recommendations.
- **Communication:** Ability to effectively communicate geological findings to the project team and stakeholders, ensuring proper integration with construction plans.
- **Environmental Considerations:** Awareness of environmental impacts related to geological conditions, particularly in hydropower projects.

Qualifications:

- Minimum Bachelor's Degree in Geology, Earth Sciences, or a related field.
- Minimum 5 years of experience in geological assessments for hydropower or large infrastructure projects.

Compensation:

- Salary: Nu 1,00,000 to Nu 1,45,000 (Negotiable)
- Additional Benefits: Food and lodging provided.