

## Sr. Geologist /Geologist

<b>Job Title:</b>	<b>Sr. Geologist/Geologist</b>
<b>Reports to:</b>	Chief Operating Officer/ Chief Executive Officer
<b>Location:</b>	Khorlochhu Hydro Power Limited (KHPL)
<b>Office:</b>	Geology Division, KHPL
<b>Employment Type:</b>	Contract term for initial period of 3 years with the possibility of extension based on performance and requirement.
<b>Function:</b>	To oversee the overall geological and geophysical aspects of the respective project.
<b>Job Summary:</b>	
Has the responsibility for mappers related to geology, geotechnical and geophysical aspects of the KHPL.	
<b>Key Responsibilities:</b>	
<ul style="list-style-type: none"><li>▪ Maintain Geotechnical Data in the form of Geological Face Logs/3D Logs of the Tunnels/Surface.</li><li>▪ Carry out Rock Mass Classification of the tunnels/surface tunnels to provide adequate rock support measures.</li><li>▪ Preparation of geotechnical appraisal, geotechnical assessment, geological plan, and geological sections wherever necessary in order to adhere to the geological adversaries.</li><li>▪ Provide geotechnical information on the shear zone, faults, and folds during excavation so that remedial/mitigation measures can be taken up prior to excavation.</li><li>▪ Monitoring of geotechnical instrumentations reading vis-à-vis excavation sequence so as to evaluate, interpret and suggest a re-evaluation of support measures if required.</li><li>▪ Monitor excavation sequence, excavation methodology, and effectiveness of installation of support measures.</li><li>▪ Carry out Geological assessment by probing, core drilling, geophysical investigations, etc. to forecast possible geological adversaries prior to any underground excavation advancement and plan the excavation methodology accordingly.</li><li>▪ Prepare Geological Cross/Longitudinal Sections of the Project Components on a requirement basis.</li><li>▪ Carryout/Supervise Water Permeability Test in Dam/Head Works Foundations.</li><li>▪ Prepare monthly progress Geological Report.</li><li>▪ Carry out a Geological Assessment of the Settlement above the tunnel which may have an impact during the excavation/construction.</li><li>▪ Any other work assigned from time to time.</li></ul>	
<b>Reporting:</b>	
<ul style="list-style-type: none"><li>▪ Report directly to the Engineer-In-Charge and attend regular Progress Review Meetings at the Project level.</li><li>▪ Submit monthly Progress of geological reports of the construction works carried out by the Contractor and also underscore issues that may require the intervention of the EIC or Chief Operating Officer.</li></ul>	

**Key Performance Measures:**

- Achievement of yearly targets.
- Reduction of geological adversities and surprises through a database of geological information.
- Timely classification of rock mass for expeditious recommendation on excavation sequence, methodology, and support system.
- Proper vibration monitoring system to avoid social issues.
- Any other measures as determined by Management.

**Qualification, Key Skills, and Competencies:**

**Qualification:** Minimum of B. Tech./B.E./B.Sc. (Geology) from a recognized university through a regular (full-time) program.

**Key Skills and Competencies:**

- Must have sound knowledge of a range of sciences and their applications.
- Good computer literacy and the ability to analyze numerical and graphical data.
- Ability to work within a multidisciplinary team of scientists and engineers and good subject knowledge in the project area.
- Excellent time management skills to ensure project deadlines are met.
- Ability to think methodically and manage project's problem-solving skills.
- Excellent verbal and written communication skills, negotiating, supervisory, and leadership skills.
- Respect, integrity, commitment, diversity, stress tolerance, excellence, and building partnerships/teamwork.

**Remuneration and Benefits**

<b>Basic Pay</b>	34,765/31,605
<b>Deputation /Contract</b>	30% on basic pay
<b>Housing Allowances</b>	30% on basic pay
<b>Special Allowances</b>	35% on basic pay
<b>Project Allowances</b>	35% on basic pay
<b>Fixed Allowances</b>	60% on minimum pay scale
<b>Performance Based Variable Pay (PVBP)</b>	10% on basic pay