

## Terms of Reference Job Description

<b>Position Title:</b>	Exploration Geologist
<b>Duration:</b>	12 months (subject to yearly renewal) (Full-time, approx. 40 hours/week)
<b>Expected Start Date:</b>	As soon as possible
<b>Duty Station:</b>	Ulaanbaatar (MONGOLIA)
<b>Salary:</b>	Determined by experience & qualifications; paid in local currency.
<b>Application Deadline:</b>	Open until filled

### BACKGROUND

#### Organizational context

Based out of Victoria, Canada, the Artisanal Gold Council (AGC) is a not-for-profit organization dedicated to improving the work conditions and opportunities, as well as environment, and health of the millions of people involved in Artisanal and Small-Scale Gold Mining (ASGM) in the developing world. The AGC helps to improve the global gold sector by promoting better practices in ASGM through technology transfer, policy development and awareness raising in Africa, Asia and Latin America. The AGC consists of a core staff, associates and a council of experts (Board of Directors) in areas of ASGM, economics, sustainable development, social responsibility, human and environmental health, and gold production and extraction. For more information about the AGC and its projects please visit [www.artisanalgold.org](http://www.artisanalgold.org)

#### Project description

The GEF supported programme “Global Opportunities for the Long-term Development of the ASGM sector (GEF GOLD)” has been designed to address the key issues linked to continued mercury use and provide sustainable development opportunities for the communities involved.

The objective of the proposed project is to contribute towards the elimination of mercury in the ASGM sector by applying a supply chain approach from the miners to refiners. The project has four components. UN Environment is implementing components 1, 2 and 4 on (i) formalization, (ii) finance and market access, and (iv) knowledge management, respectively, while UNIDO is responsible for component 3 on technology transfer.

The project is expected to demonstrate: 1) government incentives to formalize the ASGM sector in Mongolia and Philippines are increasingly adopted by miners, 2) national governments guiding the creation of ASGM fund to allow miners to invest in mercury free technologies and access responsible gold markets; miners able to sell their gold directly into a transparent supply chain, 3) reduced mercury releases by the ASGM sector in both countries, and 4) ASGM communities and government agreeing on an approach to reach all ASGM communities in each country.

### MAIN DUTIES AND EXPECTED OUTPUTS/OUTCOMES

The Exploration Geologist is responsible for identifying and assessing the location, quantity, and quality of gold deposits, specifically as they relate to ASGM potential, but also in terms of, and sometimes using, junior mining industry approaches. The candidate will focus on using a suite of

geological and physical tools to identify and assess potential project sites in the context and capacity of ASGM, estimate quantity of resources and accessible ore, and characterize the geological setting of the gold as prerequisite to key project activities such as site selection, project design, technology implementation, system planning and optimization. The work will be a mix of office and field work and will require extensive fieldwork to evaluate opportunities directly, perform sampling and testing and to connect with local stakeholders.

Tasks may include, but not be limited to, the following:

- Plan programmes for exploration of sites for gold and associated precious minerals;
- Undertake field visits to produce a body of knowledge needed to assess the feasibility of ASGM operations. This may involve surveying, mapping, sampling, data compilation, analysis, and documenting information from geologically promising sites; evaluating technical risk factors, and working intimately with artisanal gold miners and their communities;
- Provide technical support for geological investigations, testing, and monitoring programmes;
- Advise and liaise with managerial and technical staff on the estimation of ore quantities and resources;
- Provide data and feedback to National Project Teams, in support of assessing the feasibility of project sites;
- Write technical reports in a format similar to Canada's NI-43101 and/or Australia's JORC standards;
- Keep up to date with developments and new research;
- Interpret a variety of complex data and analyze results; and
- Represent the AGC in relevant stakeholder meetings.

## **ORGANIZATIONAL SETTING AND REPORTING**

This position is located in Ulaanbaatar with frequent fieldwork in the project target communities. The role is supervised by the planetGOLD Mongolia National Project Manager and will work in close collaboration with the Project manager and Technical experts at AGC headquarters.

## **QUALIFICATIONS**

- Master of Science, Geosciences or a Geosciences Undergraduate degree with suitable experience.
- Knowledge of written and spoken English.
- Experience working with the Artisanal and Small-Scale Gold Mining Sector along with relevant geoscience and technical expertise.
- Experience in exploration geology, common geophysical techniques, and resource estimation.
- Good scientific and analytical understanding of mineral deposits and effective exploration techniques.
- Excellent written communications with strong data management/presentation skills
- Able to communicate effectively with a variety of stakeholders, from miners to government officials, as well as present project results.
- Strong commitment to and experience in developing effective relationships with key stakeholders and diverse teams.

To apply to this position please send a cover letter and resume, in English, stating the job title in the subject line, to [careers@artisanalgold.org](mailto:careers@artisanalgold.org), and [assist.mn@artisanalgold.org](mailto:assist.mn@artisanalgold.org).