

Terms of Reference Job Description

Post title:	National Technologist/ Engineer (Mineral Processing, Chemical, Mining – Gold Operations)
Duration:	12 months renewable Approx. 37.5 hrs/week
Date required:	As soon as possible
Duty station:	Dano, Burkina Faso with frequent travels to surrounding mining sites
Counterpart:	Artisanal Gold Council (AGC)

BACKGROUND

The Artisanal Gold Council (AGC) is a not-for-profit organization based in Victoria, Canada. The AGC is dedicated to improving the opportunities, environment, and health of the millions of people involved in artisanal and small-scale gold mining (ASGM) in the developing world. Led by a multidisciplinary team of experts, the AGC is one of the few agencies in the world that has the sustainable development of the ASGM sector as its core mission.

Established in 2007, the AGC is known for innovation. We develop practical solutions to the challenges of the sector based on our deep field experience in artisanal and small-scale mining communities. The AGC employs an integrated approach to our programs focused on improved practices, governance, health, the environment, gender, markets and livelihoods. The AGC is a fast-growing organization that is currently implementing projects in over a dozen countries around the world. For more, visit: www.artisanalgold.org

MAIN DUTIES AND EXPECTED OUTPUTS/OUTCOMES

The technologist/engineer is a hard-working, creative thinker with a passion for the hands-on approach. Working under the supervision of the National Project Coordinator and in tandem with the other National and International Technologists, this role focuses on bringing the technical elements of mercury-free gold processing to artisanal and small-scale mining sites in country. The candidate will work with the International Technologists to customize project design, technology implementation, system planning and optimization, training, permitting, technical and project reporting, and other related subjects. The candidate will be mainly working in the field and in collaboration with the mining communities and local authorities, thus exposed to extended field work, and a diversity of conditions and mining needs and practices.

Main Duty	Output	Timing
Planning, implementation, and execution of technical project elements in country	Technical project elements completed	Ongoing



Main Duty	Output	Timing
Customizing in-country site selection, design, equipment installation, water treatment, tailings management and optimization of mercury-free processing systems (for both operation and as training platforms for miners)	Mercury-free processing systems operational on project sites	Ongoing
Conducting formal and informal capacity building with in-country partners and artisanal mining communities	Capacity built in communities	Ongoing
Contributing to assessment of the economic and environmental feasibility of potential mercury-free artisanal and small-scale mining operations by conducting surveys and studies of ore or mineral deposits	Feasibility studies completed	Ongoing
Identifying and evaluating means of safely and efficiently mining and processing the small-scale deposits using mercury-free and otherwise responsible methods	Evaluation of mercury-free methods documented	Ongoing
Working with international and local staff on all aspects of site pre-construction, as well as delivery, installation, and commissioning of mining and processing equipment	Pre-construction completed	Ongoing
Reviewing and delivering technical training modules on subjects such as operation, maintenance, materials and waste management, closure and decommissioning	Technical training modules completed	Ongoing
Communicating and collaborating with manufacturers, suppliers, shippers, in-country partners, stakeholders, government officials, and others	Successful communication with project partners	Ongoing
Writing reports, making presentations, translating (within capabilities), record-keeping, capturing photographic and video documentation	Reporting completed, project results documented in various media	Ongoing
Providing project technical reporting to high standards	Reporting completed	Ongoing

REPORTING

Regular communication will take place between the National Technologist/Engineer and National Project Coordinator and International Technologists, and, if needed, other AGC staff to ensure that the activities are undertaken in a satisfactory, timely and cost-effective manner.

The National Technologist/Engineer will be also in charge of drafting the technical elements of various project reports, which will be reviewed by AGC.

QUALIFICATIONS

- Degree in mineral processing, chemical or mining engineering; or equivalent experience
- Willing to be based in Dano with frequent travels to Ouagadougou
- Experience in the planning, implementation, and execution of mining engineering projects
- Experience with ASGM communities
- Proven hands-on abilities
- Able to demonstrate that they can operate successfully working extensively in the field
- Good scientific and analytical understanding of mineral processing and effective optimization techniques
- Some interest in international development and working with communities in different cultural and economic settings
- Excellent written communications skills in French, English, Dioula, Dagara and Moore
- Able to communicate effectively, as well as present project results clearly
- Self-motivated, able to prioritize, and work with minimal guidance
- Strong commitment to and experience in developing effective relationships with key stakeholders and diverse teams
- Strong problem-solving and creative analytical thinking skills

LANGUAGE

Fluency in written and spoken French is required. Knowledge of local languages as well as English is an asset.



To apply to this position please send a cover letter and resume, in English, stating the job title in the subject line, to abugmann@artisanalgold.org