1. REQUIRED SKILLS

- The company must have a proven track record in the field of geotechnical engineering and in particular must have experience with management and closure planning of mine residue and/or mine waste rock dumps.
- The availability of a land and quantity surveying capability is essential, as these services will be used extensively.
- The in-house availability of an experienced mine environmental expert is advantageous.
- The in-house availability of a hydrologist or geohydrological expert would be advantageous.
- Knowledge of International Best Practice in mine closure will be advantageous.
- The consultant must ensure that there is clear accountability and adequate resources for the design and implementation of a mine closure plan.
- The Scope of Work for each site shall include the preparation of a mine closure plan which will provide drawings, a bill of quantities and a budget estimate of the work for each site.
- The consultant must be capable of administering civil contracts in terms of The South African Institution of Civil Engineers (SAICE) General Conditions of Contract (2010).

Respondents to this request for tender need to prove their ability and experience for a possible appointment. The availability of key professionals for the duration of the project is also critical.

Professionals considered key to the success of the project and whose availability must be guaranteed for the duration are:

- a registered professional geotechnical engineer with a minimum of 5 years professional experience
- a land and quantity surveyor
- an environmental scientist registered with SACNASP and experienced in mine closure planning
- a hydrologist or geohydrologist with mining or civil works experience will be beneficial.

These core disciplines form the absolute minimum skills set of an eligible company. Proof of the qualifications of these individuals as well as their relevant experience is essential.

2. SCOPE OF WORK

The company/consortium chosen as the result of this request for tender will be responsible for the following:

a. Design and engineering input to ensure environmentally sustainable mine rehabilitation outcomes for each site.
b. Design and engineering of a rehabilitation plan for each nominated site.
c. Reduce the rehabilitation plan to a bill of quantities for tender purposes by Mintek
d. Provide a cost estimate for the work, based on the developed bill of quantities and that will be used by Mintek as a price benchmark in the tender and budget planning.
e. Assist Mintek with the preparation of the technical scope of work for the tender documents
f. Provide expert technical input on a predetermined as well as an *ad hoc* basis.
g. Provide an assessment of the technical competency of construction contractors as part of the bid adjudication process for each site.
h. Travel to the nominated sites as and when required.
i. Sign off, in a technical capacity, on the implementation of the rehabilitation plan at each project site once completed.

3. **DELIVERABLES**

Please refer to Annexure A for a list of all the information that must be submitted in support of any response to this request for tender.

4. **REPORTING**

The chosen consortium/company shall report to Mintek on an as needed basis for the duration of the project, but no less than once per quarter.

5. **BASIS of APPOINTMENT AND COMPLETION DATE**

A contract compliant with the *Short Form Agreement for Consulting Engineering Services* from CESA, will be concluded with the winning bidder.

Mintek envisages that the services of the successful company will be used on an *ad hoc* basis as project needs dictate, with the understanding that such services will be available until 31 March 2016.

The appointed company will work closely with the Mintek project team for the duration of the year and significant local travel will be involved.

Billing for work performed will be on rates and disbursements basis only, processed at monthly intervals.
6. SPECIFIC PERFORMANCE MEASURES

Mintek requires the services under this appointment to be delivered within the time frames stipulated herein, failure of which will constitute a breach:

   a. The Supplier must respond to any telephonic or e-mailed communication from Mintek within 1 working day
   b. The Supplier must ensure that survey work commences on a project site anywhere in South Africa within 5 working days of receiving a request for a survey.
   c. The Supplier must have resources available to meaningfully respond to meeting requests within 2 working days of receipt a meeting request by telephone or e-mail.
   d. In the event of a specific urgent request to that effect, the supplier must make a geotechnical engineer available on site anywhere in South Africa within 2 working days.
   e. The supplier must provide written reports on any matter related to this appointment for any site investigation within 5 working days after the conclusion of the site visit in a format to be provided by Mintek.
   f. The supplier must provide Mintek with survey results within 5 working days after the conclusion of the site work portion of any survey job.
   g. The Supplier must commit to a maximum preparation time for an individual tender of no more than 1 month, including the rehabilitation plan design, quantity survey, bill of quantities, specification, method statement and cost estimate.