



**TWO STAGE TENDER FOR THE
APPOINTMENT OF A PANEL OF
CONTRACTORS TO EXECUTE THE SEALING
OF DERELICT HOLINGS**

STAGE 1

CONTRACT MTK 20/2021

VOLUME 2

PART 3:

SCOPE OF WORK



C3 SCOPE OF WORK

GENERAL

This section specifies and describes the supplies, services, engineering and construction works which are to be provided and any other requirements and constraints relating to the manner in which the contract work is to be performed.

The Contract Document is compiled in accordance with the FIDIC Conditions of Contract for Plant and Design-Build 1999.

SCOPE

The Scope of the Work is set out in three portions:

Portion 1: PROJECT SPECIFICATION covers a general description of the project, the facilities available and the requirements to be met.

Portion 2: VARIATIONS AND ADDITIONS TO THE STANDARDIZED SPECIFICATIONS covers variations to the Standardized Specifications which are applicable to the contract.

Portion 3: PARTICULAR SPECIFICATIONS FOR CIVIL WORKS covers additional specifications that are applicable to the Civil Portion of the Contract.

Should any requirement of the Project Specification (i.e. Portions 1 to 3) conflict with any requirement of the standardized or particular specifications, the requirements of the latter shall take precedence.



DESCRIPTION OF THE WORKS

PS 1.1 Employer's Objectives

Mintek is a juristic person and operates as an autonomous research and development organisation that specializes in mineral processing, extractive metallurgy and related technologies.

Mintek, on behalf of the Department of Mineral Resources and Energy, is in the process of drafting tenders for the closure of several Derelict and Abandoned shafts in South Africa on behalf of the DMRE.

To this end, Mintek is now requesting qualified experienced companies that specialise in civil engineering construction and related services, preferably with experience in mine shaft closure works or concrete works to avail themselves for quoting and execution of these projects for a period of three (3) years.

It is Mintek's intention to nominate and appoint ten (10) pre-approved companies/consortia for this program.

1.2 Local Empowerment (Special Condition)

MINTEK is committed to empowering local communities with these projects and in so doing the successful service provider is expected to hire local people within the community where the project is done. The service provider is expected to: At least spend 25% of the project value on creation of local work opportunities. Reporting of the above must be in accordance with EPWP (Expanded Public Works Programme) guidelines.

1.3 Basis of appointment and completion date

The winning bidders will conclude a service level agreement with Mintek as prescribed by the PFMA for the duration of the appointment period. Mintek envisages that the services of the successful companies will be used on an on-going basis as project needs dictate, with the understanding that such services will be available until the end of December 2024. The appointed companies will work closely with the Mintek project team for the duration of the contract.

1.4 Brief Project description of Work

The project main objective is to permanently close the old mine openings/shafts. (To establish a safe, stable and non-polluting post-mining landscape that can facilitate integrated, self-sustaining and value generating opportunities, thereby leave a lasting positive legacy) - Creating a safe, physically stable rehabilitated landscape that limits long-term erosion potential and environmental degradation. From a closure perspective, the project is not complex in that the risks are understood and can largely be mitigated at closure. As the majority of disturbance associated with mining occurs underground, with the surface expression being the declines and shaft and surface infrastructure at the shaft and the area, alternative options for closure are



limited. Although limited the closure options for various aspects. The project comprises the construction of associated civil services.

1.5 Health and Safety, environmental and security

This program will require that the successful contractors will have to manage and implement all aspects of Mining Health and Safety as well as ensure that adequate safety and security is implemented and maintained during the construction period.

The contractors are advised that some of the shaft closures are in areas of illegal Mining Operations.

1.6 The work to be executed consist but not limited to the following:

- Clearing and grubbing of the site
- Excavation
- Backfilling
- Rock fill
- Layer works
- Demolish existing infrastructure around the shafts/adits
- Soil-crete (soil cement)
- Cast in-situ reinforced concrete block (Varies from 5m to 7m square, with the thickness of 0.5m)
- Landscaping and rehabilitation
- Construction and placement of shaft markers
- Finishing

1.7 Typical tender documentation will contain the following:

- Procurement requirements
- Compliance documentation and registration certificates
- CV's
- Construction Quality Plan
- Comprehensive company profile
- Experience and track records
- Capacity and technical criteria evaluation
- Financial criteria and evaluation
- Construction program and monthly cost estimation including cash-flow forecast
- Project duration
- Bill of quantities (Priced per line item)
- Pricing instruction
- Day works schedule
- Health and Safety Specification (MHSA & OHASA)
- Environmental Specification
- Agreement and Contract Data
- Scope of works
- Site Information

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- Drawings

1.8 Reporting

The chosen consortia/companies after award of tender shall formally report to Mintek at least once per week for the duration of the programme.

1.9 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:

Mintek requires the appointed contractors to respond to telephonic, written or electronic enquiries, submit required documentation as quickly as reasonably and practically possible and generally provide a timeous service.