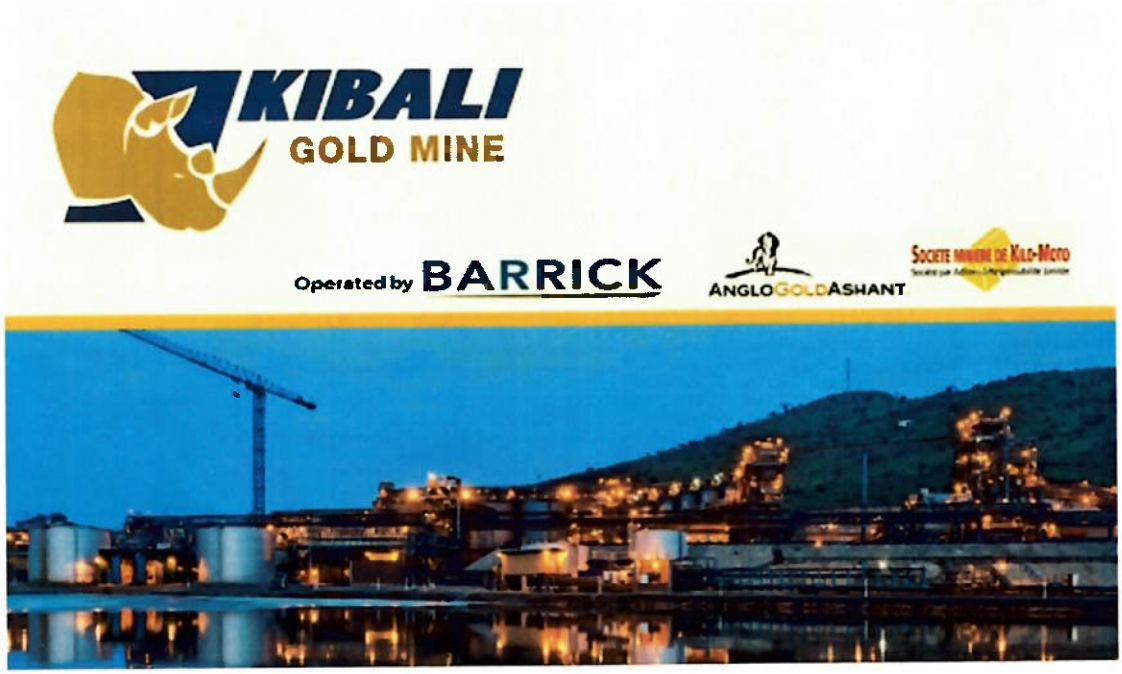
KANGA HILL CK FAN – PERCUSSION DRILLING SOW

Discipline: **Drilling**



CONSTRUCTION ONLY

Revisions	Date	Issue for	Prepared by:	Checked by:	Approved by:
Rev A					
Rev B					
Rev C					
Rev 0	26/10/26	Tender	Patrick Bwambu	Alex Nkunz	Murairo Mberi

1. Background:

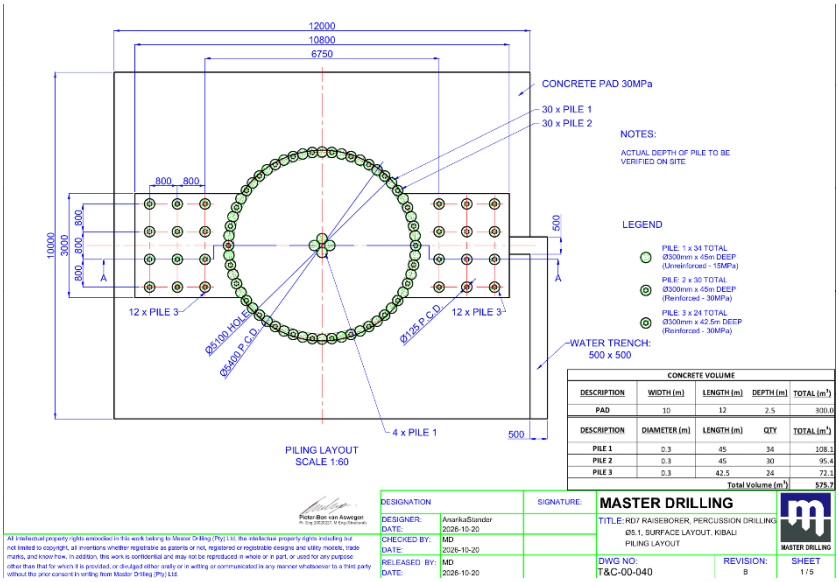
The KMG Mining plan involves increased mining activities underground. This relies in demand of sufficient fresh air capacity from the surface down to the services and underground production area.

The purpose of this Scope of Work (SOW) is to define the requirements for the execution of percussion drilling activities at the project site. The work shall be conducted safely, efficiently, and in accordance with project specifications, applicable legislation, and client requirements.

Item	Description
Project Name	Kanga Hill Percussion drilling
Client	Barrick_ KGM
Site/Location	Kanga Hill_ Kibali
Project Owner	KGM _ Underground
Project Supervision	Master Drilling Exploration (Pty) Ltd

2. Detailed Scope of Works:

Master drilling Exploration has been contracted for the construction of the CK Zone Raise bore shaft. As part of the project execution, the successful contractor will be required to execute percussion drilling of 88 boreholes by providing all labour, drilling equipment, consumables, maintenance support and associated services. The below design represents the different locations where the holes are to be drilled.



scope includes but will not be limited to:

1.1 **Mobilisation**

- Mobilisation of drilling rigs and auxiliary equipment to site.
- Mobilisation of competent drilling personnel.
- Completion of client inductions and medical requirements
- Site establishment and setup.

1.2 **Percussion drilling operations**

The contractor shall:

- Drill percussion boreholes to specified depth.
- Maintain borehole alignment within project tolerances.
- Record drilling parameters and geological observations.
- Control water inflow and ground conditions
- Conduct drilling according to the approved drilling layout.

1.3 **Sampling (where applicable)**

The contractor shall:

- Collect representative samples at designated intervals.
- Ensure proper labelling and sample traceability.
- Store and transport samples as required.

1.4 **Borehole completion**

The contractor shall:

- Conduct hole cleaning.
- Perform downhole surveys where required.
- Install casing where specified.
- Plug, cap, or abandon holes as instructed.
- Rehabilitate drilling positions.

2. TECHNICAL DRILLING SPECIFICATIONS

Description	Requirement
Drilling Method	Percussion Drilling
Hole Diameter	300 mm
Hole Depth	45&42.5m
Number of Holes	88
Total Planned Meters	3900 m
Inclination	As per drilling plan
Azimuth	As per drilling plan
Survey Requirements	Client Specification
Sample Interval	15 m

3. EQUIPMENT REQUIREMENTS

The drilling contractor shall provide suitable equipment including but not limited to:

- Percussion drill rig.
- Air compressor(s).
- Booster compressor(s) where required.
- Rod handling equipment.
- Support vehicle.
- Service truck.
- Water truck.
- Required drilling tools and consumables.

4. HEALTH, SAFETY, ENVIRONMENT AND QUALITY

The contractor shall:

- Comply with the Mine Health and Safety Act.
- Comply with site-specific safety standards.
- Conduct daily pre-start inspections.
- Conduct task-based risk assessments.
- Maintain required PPE standards.
- Report all incidents and near misses.
- Maintain environmental controls throughout operations.

- Ensure all work is executed in accordance with approved quality procedures.

5. DELIVERABLES

The following shall be submitted daily for reporting and compliance:

- Hole identification.
- Collar coordinates.
- Planned depth.
- Actual depth.
- Metres drilled.
- Shift duration.
- Downtime.
- Equipment utilisation.
- Safety observations.

The following shall be submitted as part of final completion report:

- Executive summary.
- Total metres drilled.
- Borehole completion records.
- Survey information.
- Sample reconciliation records.
- Equipment statistics.
- Safety statistics.
- Non-conformance records.
- Lessons learned.

6. CLIENT RESPONSIBILITIES

The client shall provide:

- Approved drilling plan.
- Site access.
- Surveyed collar positions.
- Required permits and authorizations.
- Sample storage area where applicable.

7. ACCEPTANCE CRITERIA

The work shall be considered complete when:

- All authorized boreholes have been completed.
- Required reports have been submitted.
- Any punch-list items have been closed.
- Site rehabilitation has been completed.
- Client acceptance has been received.

8. TECHNICAL AND COMMERCIAL SUBMISSION

- Company profile and relevant experience.
- Details of comparable project executed.
- Proposed detailed method statement
- Preliminary program of work
- QA/QC methodology
- Schedule of rate/ Priced BOQ
- Lits of deviations form the RFQ requirements if any.

9. GENERAL REQUIREMENT

The Contractor shall execute the Works in a professional and workmanlike manner using recognised industry practice and suitably qualified personnel.

The Contractor remains responsible for ensuring that the completed drilling work is stable, durable, and fit for its intended purpose in accordance with the approved design and Contract requirements.

Date 26.10.2026
Boq Rev. 0

Kanga Hill CK FAN _ Percussion drilling

ADDRESS :	**Kibali Gold Mine**
COUNTRY:	**DRC**
CURRENCY:	**USD**

1) PRELIMINARIES	UNIT	QTY	RATE	TOTAL	0.00
Mobilization must include but not limited to all the cost required for site set-up, transport of rig, ancillaries, accommodation for crew, security and any other activities required for completion of the specified borehole.	Sum	1		0.00	
Demobilization to include but not limited to removal temporary works, Clearing the site as per Owners requirements, removal of debris, drilling spoils & cuttings. Dumping the same in specified area with a lead of 1 km.	Sum	1		0.00	
Safety requirements	Sum	1		0.00	
2)Drilling - Soft Rock	**UNIT**	**QTY**	**RATE**	**TOTAL**	**0.00**
Drilling - Scope of work is drilling of the bore hole as per below specification including but not limited manpower, supply of fuel, drill rods, drillbits, and all other items required for completion of the successful drilling.					
Dia of 300mm for a Depth as mentioned below:					
0 -30 mtrs	m	2640		0.00	
31 -60 mtrs	m	1260		0.00	
TOTAL EXCLUDING VAT					**0.00**