



# **PALABORA COPPER (PTY) LTD**

## **UNDERGROUND LIFT II**

### **SCOPE OF WORK**

**Cleaning of Ore Spillage on Lift II Crusher and Conveyor Belts for Ore Flow System.**

**April 2023**

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## 1. INTRODUCTION

Palabora Copper (Pty) Ltd (PC) is situated in the Ba-Phalaborwa area of Limpopo in South Africa. PC operates a large block cave copper mine and smelter complex.

### 1.1. Project Background

PC is a nominal 28 000 ktpd block cave mining operation. It is currently establishing Lift II a second block cave below the Lift I existing block cave. Ore Conveyors are installed to continuously feed Lift II Material to Lift I Conveyors and Silos. Failure to clean may lead to injuries to personnel, damage to equipment and loss of Production.

### 1.2. Site Location

PC is located approximately 500 km from Johannesburg. It is accessible by both road and air. Travelling by road from Johannesburg is approximately 6 hours, and by air it is a 2 hours flight.

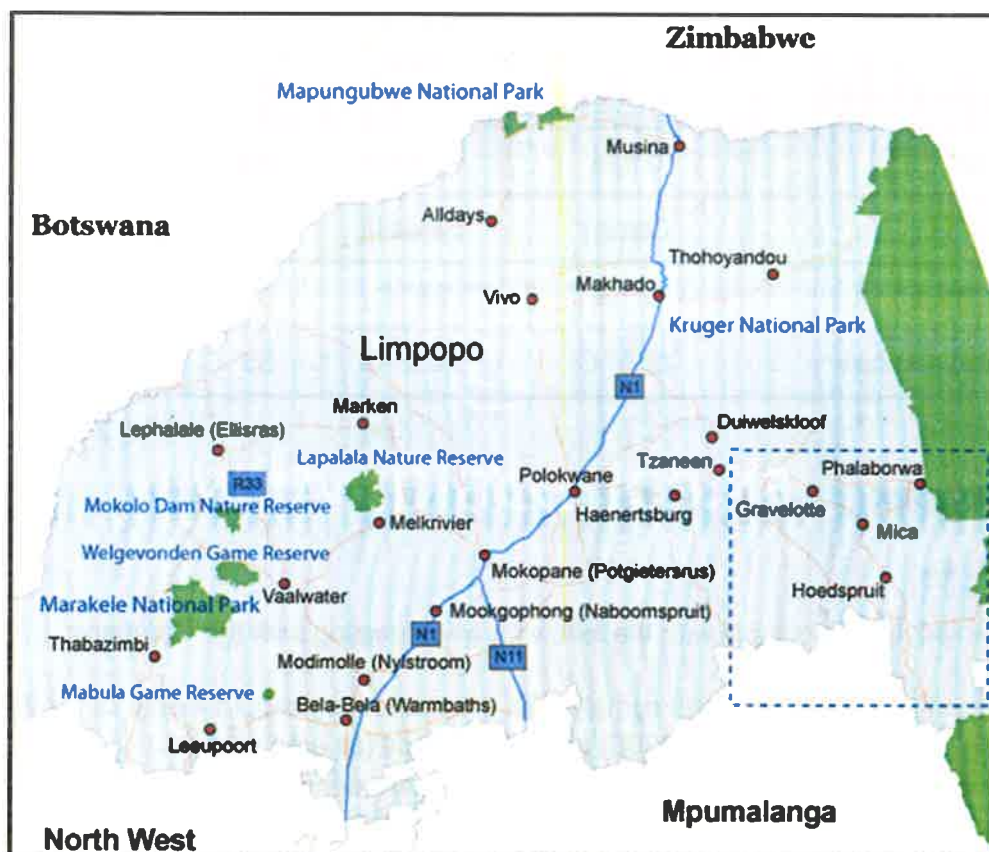


Figure 1 - Phalaborwa Locality Map

### 1.3. Site Conditions

Ba-Phalaborwa lies in the lowveldt region approximately 500 km from the Indian Ocean coast of Mozambique. The elevation of the town is about 400 m above sea level, and the climate is predominantly subtropical and winters are very mild and frost-free.

The area is well known for its high summer temperatures experienced from November through to February, which is also the main rain season. Average annual rainfall is about 480 mm. As Palabora shares common borders with the Kruger National Park as well as private game reserves, the Employer places high value on nature conservation. Table 1 below outlines site and operating conditions at PC. Phalaborwa is a malaria prevalent area, thus the Contractor is required to take necessary precautions.

**Table 1: Site and Operating Conditions**

Description	Minimum	Average	Maximum	Relative Humidity
Atmospheric Pressure	92.4 kPa	95.2 kPa	97.4 kPa	
Wind Loading 1 in 20 years	1.1 m/s	3.5 m/s	10 m/s	
Rainfall per month	0 mm	42.8 mm	413 mm	
Seismic Activity	Class I	Class III	Class VI	
Surface temperature	2° C	25° C	44° C	85%
Underground temperature	22.5° C	30.5° C	35° C	64%

## 2. SCOPE OF WORK

### 2.1. General

Contractors are required to comply with the following when dealing with the Company:

- All equipment and services shall comply with the mandatory requirements of the Mine Health and Safety Act (Act 29 of 1996) and Regulations (as amended).
- The Contractor is to ensure compliance with the Requirements of Chapter 2, Section 21 of the Mine Health and Safety Act (Act 29 of 1996) and Regulations (as amended), viz. Manufacturer's and Supplier's duty for Health and Safety.
- All relevant SANS standards and Company specifications must be complied with.
- The Company reserves the right to apportion the scope of work to be executed.

## 2.2. Scope Description

Cleaning of Ore Spillage from **Mini Crusher**, Conveyor Belts (**Cv23,24,25 & 26**) and the Entire Ore Flow System.

## 2.3. Supply Included

The scope of supply shall include, but is not limited to the following:

- Cleaning of Spillage on the Conveyors(Cv23,24,25 & 26)
- Cleaning of Spillage at the Mini Crusher.
- Any other Cleaning work required by the Lift II Operations and Maintenance Team

## 2.4. Exclusions

The following work shall be excluded:

- None

## 3. SCHEDULE OF RESPONSIBILITIES

The Contractor and Employer responsibilities will be finalized during the final negotiations, but as a basis the following allocation is proposed:

### 3.1 Responsibilities of the contractor

- The onus is on the Contractor to ensure complete familiarity with all the Safety and Health Requirements of the Employer, as well as the Mine Health and Safety Act (Act 29 of 1996) and Regulations (as amended).
- Contractor will be responsible for cleaning and Supervision during cleaning of materials at the desired location.
- Employ only staff who are acceptable to the Employer, and who have passed Medical, HTS, induction and any required training courses.
- Ensure that the works are carried out in compliance with the relevant laws and regulations, and the Employer's standards, as far as they affect him/her and or staff.
- Supply the necessary Labour and and look after provided equipment.

### 3.2 Security

The Contractor will be responsible for making himself fully acquainted with all and any security regulations of the Employer and will ensure that they are strictly adhered to.

### 3.3. Legal Appointments and Qualifications.

#### 2.9.2 . For Supervisor.

Reg 8.9(i). Training and Authorization for Cleaners.


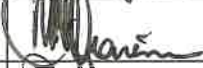
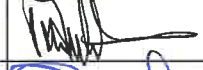

**Note:** For Supervisor: 2.9.2 Legal Training

**Appendix 1: Schedule of Quantities**

- 1x Supervisor
- 16x Cleaning Crew.
- 2x8 Hour Shift x 5 Days per week.

**Notes:**

- Rate submitted for Cleaning should be based on the hours of work and days per week..
- Rate may be renegotiated or retendered yearly.
- Duration of the Contract-1 Year.

Name	Designation	Signature	Date
Rendani Nemathithi	Manager HD/UC & Drawbells		06/11/2023
Victor Manena	Manager Engineering (Surface &UG)		06/11/2023
Ally Molala	Mine Overseer, acting (Ore Handling)		06/11/2023
Thendo Ramathavha	Section Engineer (Lift II Maintenance)		06/11/2023