



Comprehensive Geological and Mining Solutions

BID DOCUMENT / PRESENTATION

(PUBLIC PARTICIPATION PROCESS PRESENTATION TO I&APS)

DWARSRAND 500 KS [PORTION OF]
DMRE REF.: LP12019MP

VENUE:
TBC

VENUE COORDINATES: TBC

DATE & TIME:
TBC

CONTENTS

1. Key Features
2. Presentation of the Background Information Document
 - 2.1 Project Description / Planned Mining Works
 - 2.2 Public Participation Process (PPP)
 - 2.3 Maps of the Mining Permit Area
3. Verbal Questions, Comments and Advices by the I&APs
4. Filling in of the Comments Sheets by the I&APs
5. Closure

BID DOCUMENT

Project	Basic Assessment Process for a Mining Permit
Applicant	Makidimela Holdings (Pty) Ltd
Activity	Listing Notice 1: Activity 21, 22 & 27 (As amended 17 April 2017)
Property / Farm(s):	Dwarsrand 500 KS [Portion of]
EAP	MTP GeoMine
Date	August 2023

PURPOSE OF THIS DOCUMENT

- Produce an overview of the proposed and the Basic Assessment Process to be followed
- Invite interested & Affected Parties to participate in the process

Background Information Document

INTRODUCTION

Makidimela Holdings (Pty) Ltd has applied for environmental authorization for a Mining Permit. The intent is to mine Iron Ore + Vanadium + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Calcite + Silica x7 + Sand x3 + Quartz x2 + Stone Aggregate (Gravel) + Stone Aggregate (From Waste Dump) + Aggregate (Road Metal) + Rare Earths. The application was submitted to the DMRE, accepted and assigned a reference number LP30/5/1/3/2/12019MP.

A Mining Permit application triggers a listed activity that may not commence without an Environmental Authorisation in terms of the EIA Regulations, 2014 promulgated under the NEMA Listing Notice 1, of the EIA Regulations of 4 December 2014 (as amended), which lists the activities that require a Basic Assessment Process to be carried out as part of the authorisation process.

Upon review of the application by the DMRE, Makidimela Holdings (Pty) Ltd has been instructed to proceed with the public participation process and compilation of the Basic Assessment Report (BAR).

The application covers 4.97 Ha as the entire Mining Permit area. The farm is located about 62 km South of Polokwane Town, within the Lepelle-Nkumpi Local Municipality. The physical impact of invasive prospecting and mining activities will be on less than 5 hectares. Refer to maps below for an indication of boundary of the Mining Permit application area.

KEY FEATURES

Competent Person:	Mr. Arnold Muindisi, BSc (Gen)., BSc. Hons (Geol)-Wits, GDE (MRE), MSc. Eng (Mining)-Wits, Pr.Sci.Nat, MGSSA, MGASA.
Date Prepared:	August 2023
Prepared for:	Makidimela Holdings (Pty) Ltd
Purpose:	Consultative Meeting with the Land Owners and Participation of Interested and Affected Persons regarding the Mining Permit application by Makidimela Holdings (Pty) Ltd on farm Dwarsrand 500 KS [Portion of].
Property or Farm/s:	Dwarsrand 500 KS [Portion of]
General Location:	+/- 62 km South of Polokwane Town, Limpopo Province, Republic of South Africa
Mineral Rights:	Makidimela Holdings (Pty) Ltd's Mining Permit application accepted by the DMRE.
Surface Rights:	Dwarsrand Minerals (Pty) Ltd.
Deposit Type / Geology:	The Roossenekal Sbsuite of the Rustenburg Layered Sui of the Bushveld Complex.
Minerals applied for:	Iron Ore + Vanadium + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Calcite + Silica x7 + Sand x3 + Quartz x2 + Stone Aggregate (Gravel) + Stone Aggregate (From Waste Dump) + Aggregate (Road Metal) + Rare Earths .
Project size:	4.97 Ha
Project Works Summary:	Desktop studies and Sampling of Exposed rock / reef; Geological Mapping; Geochemical Sampling and Geophysical surveys; Trenching and Sampling; Drilling and Sampling; Technical Evaluation; Economic Viability / Feasibility studies; and Mining.

BID DOCUMENT

Continued...

Project Description

The intent is to mine Iron Ore + Vanadium + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Calcite + Silica x7 + Sand x3 + Quartz x2 + Stone Aggregate (Gravel) + Stone Aggregate (From Waste Dump) + Aggregate (Road Metal) + Rare Earths .

THE MINING PERMIT ACTIVITIES WILL ENTAIL THE FOLLOWING:

Phase 1: Combined Phases - Non-invasive + Invasive

- Desktop studies/at a later stage Feasibility study investigation/mineral resource estimation
- Drilling + Ground geophysical survey, airborne radiometric and magnetic survey, geological mapping, exposed rock sampling, stream and soil sampling.

Phase 2: Combined Phases – Invasive + Non:

- Sampling of exposed rocks / reef.
- Drilling and Trenching, and then sampling. Goes hand in hand with the minimal local recruitment.
- Access track to drill sites. An estimated 50m of access roads and less than 4.5m wide is expected
- Sampling and analysis to be conducted in a recognised laboratory
- Established accommodation in the area to be used if available
- Local water resources to be used for both drilling and potable requirements
- Geological modelling and resource estimation
- Completion of economic study
- Conduct mining activities, or close the project if not economically viable.
- Mining activities will bring a reasonably and relative substantial employment in general.

BID DOCUMENT

REHABILITATION & IMPACTS MANAGEMENT

POTENTIAL IMPACT	ASPECTS AFFECTED	MITIGATION TYPE
Reduce environmental impact through proper planning	Environmental	Avoid impacts by: Once the ideal position from a geological point of view is determined apply appropriate environmental buffers: <ul style="list-style-type: none"> • 100m from water course • 100m from any infrastructure • 50m from any heritage site
Current landuse	Ability to use land during mining activities.	Modify and avoid landuse disturbance by: <ul style="list-style-type: none"> • Prior to finalization of mining activities, reconsult with the applicable land owner / occupier. • Implement reasonable request from the I&APs • Maintain a minimum of 50m buffer from any infrastructure.
Social	Local residents	Avoid safety concern by: <ul style="list-style-type: none"> • Fence off the mining pit area (and each drill site) • Ensure that security maintain the fenced area free of any pedestrian traffic. • Controlled and agreed access into private properties to ensure security of the residents.
Dust	Dust nuisance from mining activities	Control dust emissions by: <ul style="list-style-type: none"> • Ensure that there is an appropriate dust suppression systems for the dust generating activities. • Consider alternative means to high dust generating activities such as blasting, e.g. rock cracking method.
Noise	Noise impacting on nearby receptors	Control and avoid noise by: <ul style="list-style-type: none"> • Maintain the drill rig and mining equipment / plant. • If necessary restrict mining activities to daytime hours only.

BID DOCUMENT

REHABILITATION & IMPACTS MANAGEMENT

Continued...

POTENTIAL IMPACT	ASPECTS AFFECTED	MITIGATION TYPE
Fauna / Flora	Clearing of land removing flora and habitat for fauna	Avoid ecological impacts by: <ul style="list-style-type: none"> • Only clear land required to facilitate mining activities • Avoid deep clear and grub (avoid uprooting) • Avoid termite mounds • Avoid trees • Rehabilitation and revegetation • Where possible close to existing access tracks
Loss of topsoil	Topsoil not effectively stored and lost. Related mainly to trenching / digging.	Avoid loss of topsoil by: <ul style="list-style-type: none"> • Store all topsoil adjacent to the area from where is removed • Back-fill rocks first and top up with the topsoil for easy revegetation.
Cultural / Heritage	Any grave / protected building	Avoid cultural and heritage impacts by: <ul style="list-style-type: none"> • Maintain a minimum of 50m buffer from any identified site. • Relocate drill sites away.
Pollution from hydrocarbon spills (e.g. Oil and Diesel)	Water resources	Control and remedy impact of spills by: <ul style="list-style-type: none"> • Vehicle inspection checklist to be used daily • Use of drip trays • Clean up minor spills
Water Resources	Any watercourse	Avoid impacts on water resources by: <ul style="list-style-type: none"> • Maintain 100m buffer from any water course (wetland or stream). • Cap the borehole by weld to ensure no contamination.
Environment	Land use	Remedy impact by: <ul style="list-style-type: none"> • As and when the mining is complete, the land must be subjected to rehabilitation activities to restore the land to pre mining status as much as possible. • Close / back-fill trenches

BID DOCUMENT

PUBLIC PARTICIPATION PROCESS

MINING PERMIT GRANTING

- Once all processes and procedures as per the MPRDA and NEMA and related Regulations are concluded and satisfied / met, the Minister must issue the Mining Permit within 60 days upon receiving the application from the Regional Manager (s27(6)).
- The Mining Permit will be valid for a period not exceeding two (2) years from the effective date (after all the processes and procedures).
- The Applicant company has the exclusive right to apply for and be granted a renewal of the Mining Permit in respect of the mineral/s and prospecting area in question.
- The Mining Permit may be renewed for three periods, each of which may not exceed one year. This means that the Mining Permit can run for a period of up to five (5) years.

BID DOCUMENT

PUBLIC PARTICIPATION PROCESS

ENVIRONMENTAL AUTHORISATION PROCESS

- The aim of the basic assessment process is to identify and assess the potential impacts associated with the proposed project and to develop management measures that can assist with the mitigation of such impacts.
- I&APs include a realm of members of public or stakeholders that may have a direct or indirect interest in the project. I&APs are encouraged to participate in the project through public consultation process described further below.
- MTP GeoMine is responsible for designing and assisting in carrying out the public participation process, communicating with I&APs as well as writing and submitting the Basic Assessment Report (BAR) within 90 days from date of acceptance EIA Reg. 19(1)(a). This is subject to a minimum of 30 days' window period of PPP (Reg. 3(8)).
- The Competent Authority for this basic assessment is the DMRE, whom is responsible for treating the inputs of I&APs fairly as well making a decision regarding the application within 107 days from date of submission (Reg. 20(1)).

PUBLIC PARTICIPATION PROCESS

The role of an I&AP is to:

- Register with EAP, who will include you on a database called the **I&AP Register** in order for you to receive future project information and/or formally record issues and concerns (comments).
- Access project information that is made available to you in order to provide feedback within the required timeframe.
- Communicate with the EAP to raise your comments and advices so that they can be included and addressed within the BAR and be submitted to the DMRE.

As I&AP, you are requested to please provide the following information, on the comment form attached.

- Indicate the location of any environmental and heritage features on site
 - If any, propose suggestions as to how and to what standard the impacts on site can be managed, avoided or remedied.
- How do you consider the proposed activities will impact on you or your socio-economic conditions?
 - If any, please provide written responses stating your suggestions to manage, avoid or remedy the anticipated impacts.
 - Consideration must be made to potential impacts on infrastructure and how they may be managed, avoided or remedied.
- State your current land uses (e.g. Residential, Agricultural, Retail, any other)
- Indicate your property location relative to the area under application

PUBLIC PARTICIPATION PROCESS

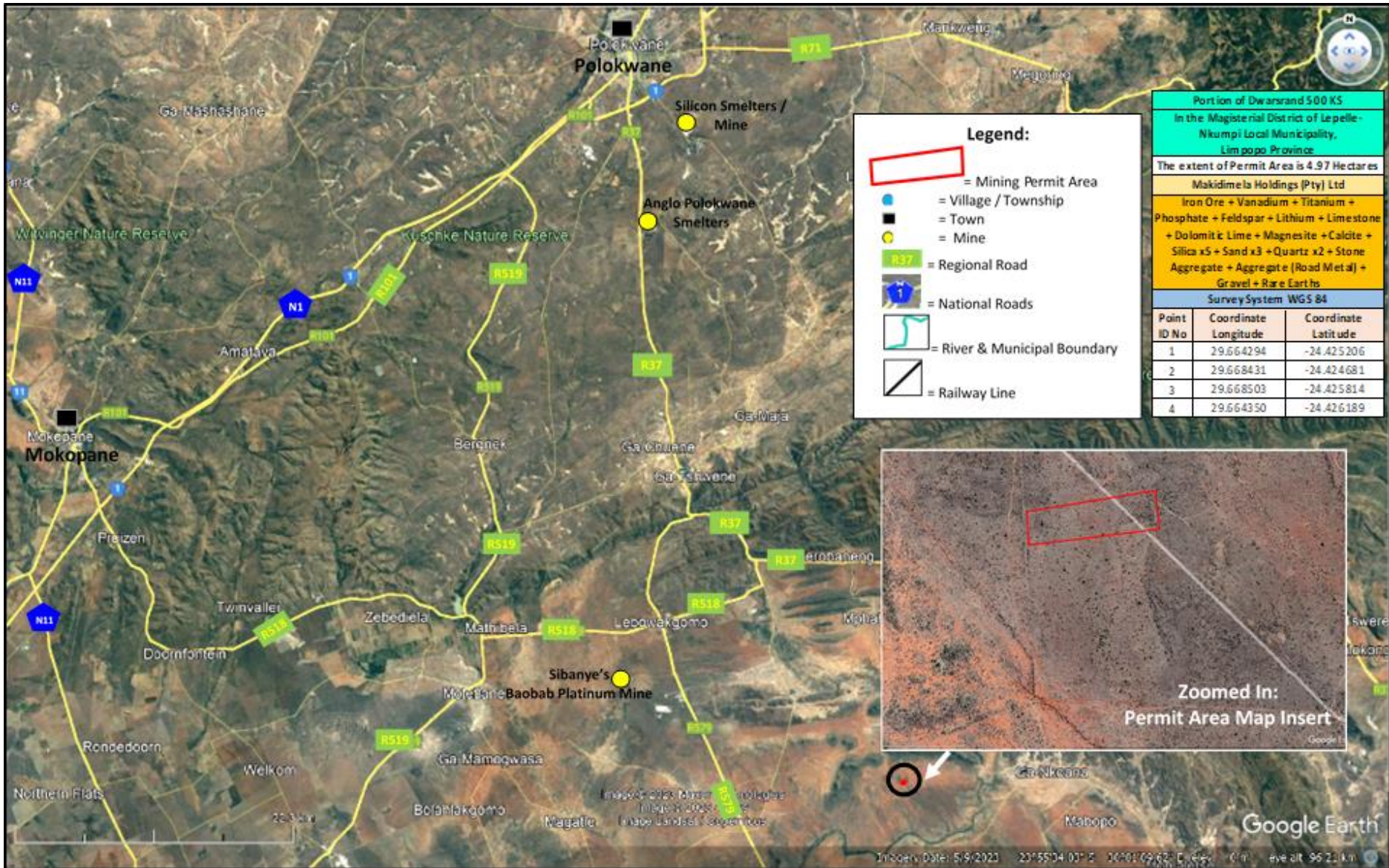
WAY FORWARD

- Upon receipt of comments from I&APs, you will be registered onto a database. As a registered I&AP you shall be notified of the project updates.
- All registered I&APs are being / will be afforded the opportunity to provide further comments on the draft BAR & the BID Document.
- The comments of the I&APs will be included in the report/s to the DMRE for consideration.

PUBLIC PARTICIPATION PROCESS MEETING

- A Public Participation Process meeting is scheduled as detailed on the first page of this document.

Regional Map of the Mining Permit (MP) area (Red Polygon)

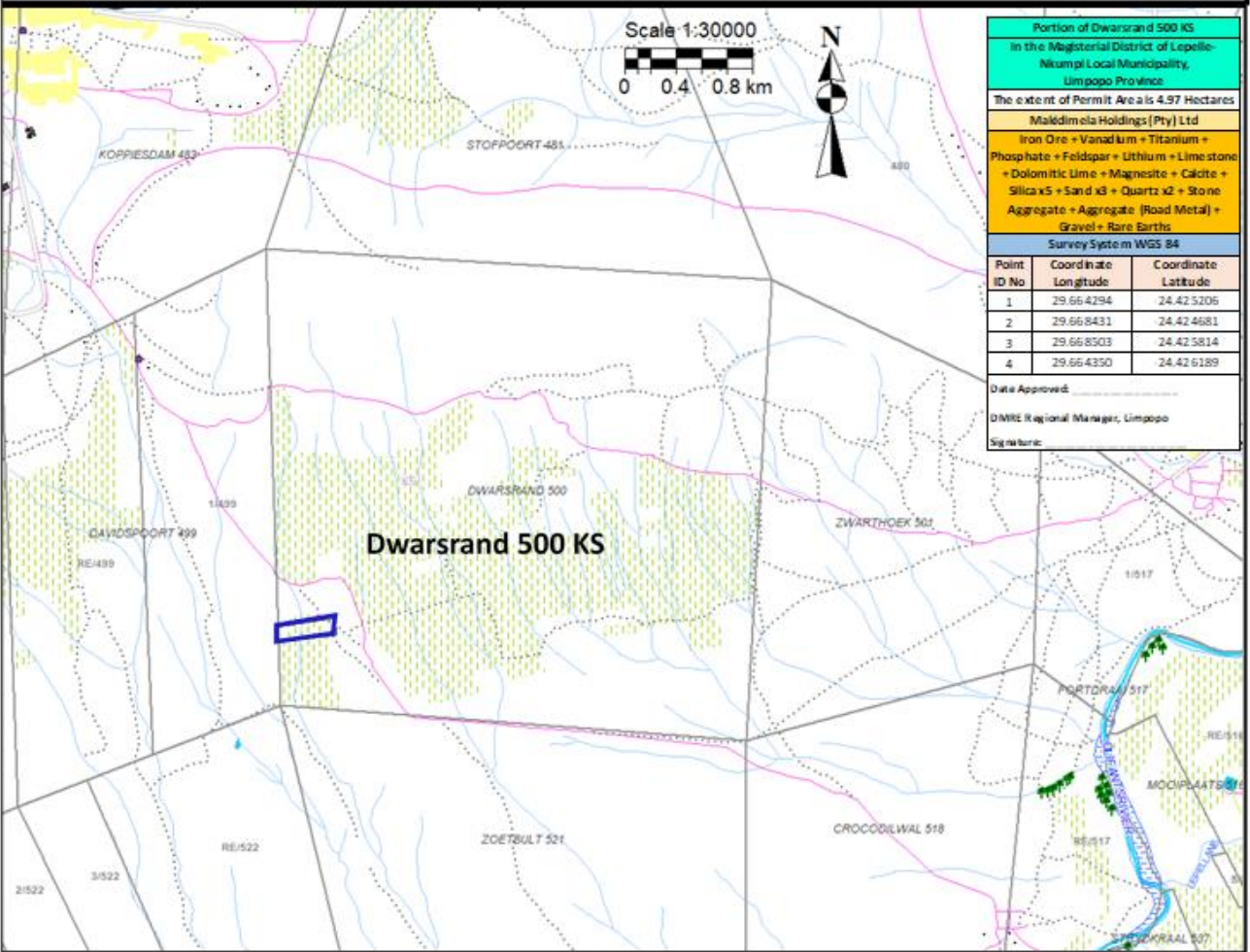


MPRDA Regulation 2.2 Map of the Mining Permit (MP) area (Blue outline)

Regulation 2.2 Map of a Portion of Dwarsrand 500 KS for Makidimela Holdings (Pty) Ltd

LEGEND

-  = Permit Area Boundary Line
-  = Farm Portions boundary
-  = Corner Point & Number
-  = River
-  = Dam / Pond
-  = National Rd
-  = Regional Rd
-  = District Rd
-  = Internal Access Rds
-  = Vegetation land
-  = ESKOM P Lines & Railway
-  = Low Urban Density (Villages)
-  = High Urban Density (Villages)
-  = Trees
-  = Eroded Area
-  = Diggings
-  = Provincial Boundary
-  = Farm Portion Number
- = Contours



Portion of Dwarsrand 500 KS
 in the Magisterial District of Lepelle-
 Nkumpi Local Municipality,
 Limpopo Province

The extent of Permit Area is 4.97 Hectares

Makidimela Holdings (Pty) Ltd

Iron Ore + Vanadium + Titanium +
 Phosphate + Feldspar + Lithium + Lime stone
 + Dolomitic Lime + Magnesite + Calcite +
 Silica x5 + Sand x3 + Quartz x2 + Stone
 Aggregate + Aggregate (Road Metal) +
 Gravel + Rare Earths

Survey System WGS 84

Google map of the Mining Permit (PR) area

- The Dwarstrand 500 KS' Mining Permit (MP) area (Red polygon).

ZOOMED IN: Mining Permit Regulation 2.2 Map of a Portion of Dwarstrand 500 KS for Makidimela Holdings (Pty) Ltd

Portion of Dwarstrand 500 KS
In the Magisterial District of Lepelle-Nkumpi Local Municipality,
Limpopo Province.

The extent of Permit Area is 4,97 Hectares

Makidimela Holdings (Pty) Ltd

Iron Ore + Vanadium + Titanium + Phosphate + Feldspar + Lithium + Lime stone + Dolomitic Lime + Magnesite + Calcite + Silica x5 + Sand x3 + Quartz x2 + Stone Aggregate + Aggregate (Road Metal) + Gravel + Rare Earths

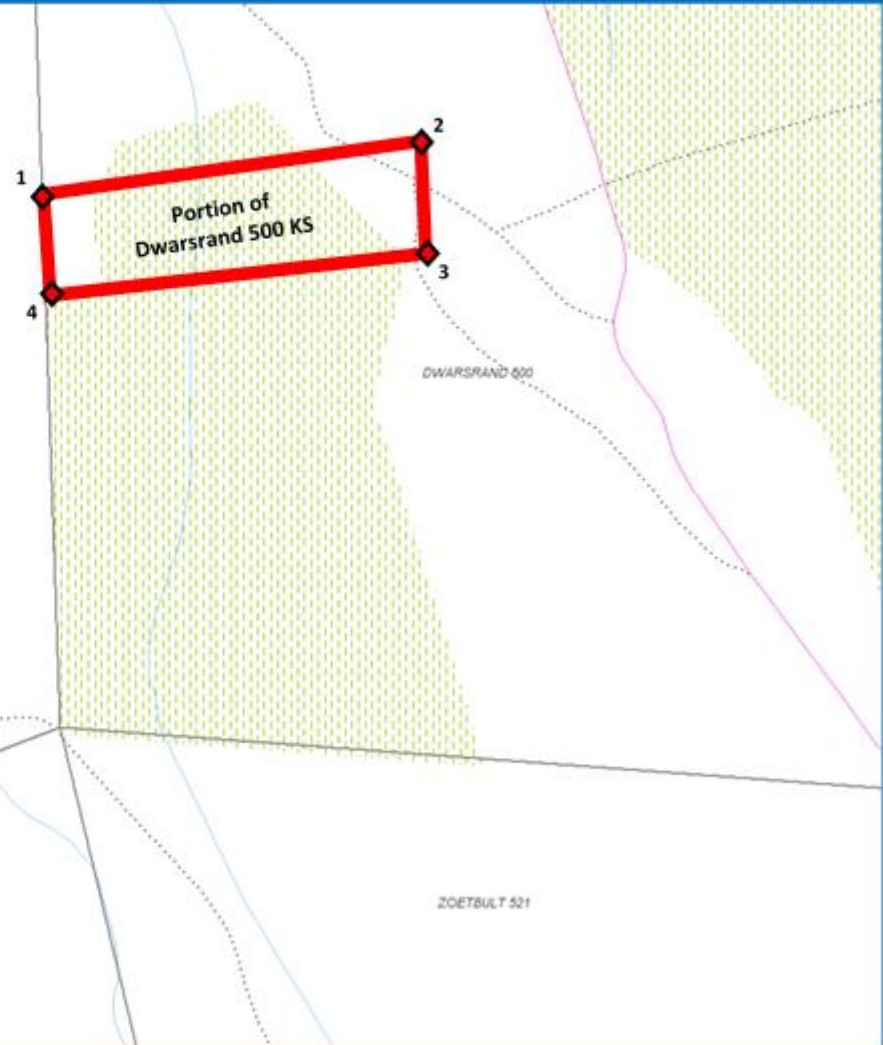
Survey System WGS 84

Point ID No	Coordinate Longitude	Coordinate Latitude
1	29.664294	24.425206
2	29.668431	24.424681
3	29.668503	24.425814
4	29.664350	24.426189

Date Approved: _____
DMKE Regional Manager, Limpopo
Signature: _____

RE/499

Scale 1:5000
0 60 120 m



LEGEND

- = Permit Area Boundary Line
- = Farm Portions boundary
- = Corner Point & Number
- = Contours
- = Vegetation land

PUBLIC PARTICIPATION PROCESS

CONTACT US

Please contact Arnold Muindisi of MTP GeoMine cc to raise your queries, comments or concerns at the following details:

Tel/Cell: +27 71 012 2607 / 081 439 7788 / 076 897 4082

Fax: +27 86 758 2869 / 086 512 6724

Email: arnold.muindisi@gmail.com

A comment form for your use is attached / issued for your comments and advices. Please fill it in.

QUESTIONS, COMMENTS, ADVISES

- Verbal Questions, Comments, Advises
- Completion, filling in of the I&APs' and Comments Sheet.
- Closure

Thank You!!