mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

APPLICATION FOR THE CONSENT OF THE MINISTER TO AMEND RIGHTS PERMITS PROGRAMMES OR PLANS

IN TERMS OF SECTION 102

OF

THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002, (ACT NO. 28 OF 2002) (THE ACT)

STANDARD DIRECTIVE

All applicants applying for the consent of the Minister to amend or vary, (including by extension or reduction of the area or the addition of associated minerals) any reconnaissance permission prospecting right, mining right mining permit, retention permit, technical co-operation permit, reconnaissance permit, exploration right and production work programme mining work programme environmental management programme, and environmental management plan are herewith, in terms of the provisions of Section 29 (a) of the Mineral and Petroleum Resources Development Act, directed to specifically submit an application in that regard to the relevant Regional Manager or Designated Agency as the case may be, which application must provide the specific information in the format required herein.

In cases of extension or reduction of a prospecting area, any applicant requesting consent to vary the prospecting right accordingly is herewith in terms of the provisions of Section 29 (a) of the Mineral and Petroleum Resources Development Act, directed to submit a revised prospecting work programme, environmental management programme or plan, and social and labour plan in cases of mining or production rights that reflect the variation concerned, for consideration.

The Regional/General Manager

REGION/ DESIGNATED AGENCY	Regional Manager, Northern Cape Region
REFERENCE NUMBER OF RIGHT	Prospecting Right (NC) 30/5/1/2/2/11815 PR
NAME OF APPLICANT	**WEPEX TRADING (PTY) LTD** **(REGISTRATION NUMBER 2015/230389/07)**

1. DETAILS OF THE APPLICATION.

(Mark with an X where applicable)

1.1 Indicate the type of Right

PROSPECTING RIGHT	X
MINING RIGHT	
MINING PERMIT	
RECONNAISSANCE PERMISSION	
RETENTION PERMIT	
TECHNICAL CO_OPERATION PERMIT	
EXPLORATION RIGHT	
PRODUCTION RIGHT	

1.2 INDICATE THE TYPE OF AMENDMENT OR VARIATION REQUESTED

EXTENTION OF AREA*	
REDUCTION OF AREA*	
ADDITION OF MINERALS	
SUBTRACTION OF MINERALS	
ADDITION OF SHARES OF SEAMS MINERALISED BODIES OR STRATA*	
SUBTRACTION OF SHARES OF SEAMS MINERALISED BODIES OR STRATA*	
AMENDMENT OF PRODUCTION RIGHT WORK PROGRAMME	
AMENDMENT OF EXPLORATION RIGHT WORK PROGRAMME	
AMENDMENT OF MINING OR PROSPECTING# WORK PROGRAMME	X
AMENDMENT OF ENVIRONMENTAL MANAGEMENT PLAN	
AMENDMENT OF ENVIRONMENTAL MANAGEMENT PROGRAMME	X
OTHER: AMENDMENT OF TERMS OF RIGHT	X

Note*# The extension or reduction of an area, and the addition or subtraction of shares of seams mineralised bodies or strata always require the amendment of the applicable work programme# and the applicable Environmental Management Plan or Programme
When acquiring a portion of another existing right the variation of that right and transfer thereof, also requires consent in terms of the provisions of sections 11 and 102 of the Act.

2 INFORMATION TO BE SUBMITTED

2.1 Description of the right in respect of which the application is made

(Provide a description of the right in accordance with the regulation 42 plan and attach a copy of the right and plan as an appendix)

Prospecting Right

WEPEX TRADING (PTY) LTD with Registration Number, 2015/230389/07 is the holder of a prospecting right with reference number NC 30/5/1/2/2/11815 PR, executed on behalf of the Minister of Mineral Resources ("Minister") and Wepex Trading Proprietary Limited, consisting of the sole and exclusive right to prospect for Iron (Fe) and Manganese (Mn)) on, the Remaining Extent of Gloucester 674 situated in the Magisterial District of Kuruman, Northern Cape Province and measuring 1 195.750 ha (One Thousand one hundred and ninety five comma seven five zero) hectares in extent, together with all benefits and/or improvements ("Prospecting Right").

A copy of the Prospecting Right and the regulation 2(2) plan of the Prospecting Right area are attached hereto as Annexure A.

2.2 Extension of an area or the addition of minerals.

PROVIDE THE FOLLOWING INFORMATION Mark with an X where applicable	YES	NO
Are there existing rights for the same minerals in the requested extension area?		X
Are the additional minerals requested held in terms of an existing right?		X
CONFIRM THAT THE FOLLOWING INFORMATION HAS BEEN APPENDED		
~~**A plan drawn to the requirements of Regulation 2(2) of the right to be varied.**~~		N/A
~~**A plan drawn to the requirements of Regulation 2(2) of the extension area, or the area in respect of which the additional minerals are required.**~~		N/A
~~**Copy of the existing right in respect of which the addition of an area or minerals is required**~~		N/A
~~**Copy of the (section 11) consent of the Minister to cede the additional area to the applicant from the former holder. (If not applicable, state N/A)**~~		N/A

~~Copy of the registered cession (section 11) in respect of the additional area or minerals has been acquired from a former holder. (If not applicable, state N/A)~~	N/A
~~The revised mining, prospecting, production right, or exploration right work programme as the case may be, which deals with the consolidated operation.~~	N/A
~~The revised environmental work programme or plan as the case may be, which deals with the consolidated operation.~~	N/A
~~The revised Social and Labour Plan (in cases of mining or production rights) which deals with the consolidated operation.~~	N/A

2.3 Reduction of an area or subtraction of minerals

PROVIDE THE FOLLOWING INFORMATION Mark with an X where applicable	YES	NO
Is the area being reduced for purposes of abandonment?		X
Is the area being reduced in order to incorporate the balance into another right?		X
CONFIRM THAT THE FOLLOWING INFORMATION HAS BEEN APPENDED		
~~A plan drawn to the requirements of Regulation 2(2) of the existing right.~~		N/A
~~A plan drawn to the requirements of Regulation 2(2) of the reduced area.~~		N/A
~~Copy of the existing right in respect of which the area or minerals is to be reduced.~~		N/A
~~Copy of the (section 11) consent of the Minister to cede the balance of the area or minerals to a third party. (If not applicable, state N/A)~~		N/A
~~Copy of the registered cession (section 11) in respect of the area or minerals ceded to a third party. (If not applicable, state N/A)~~		N/A
~~The revised mining, prospecting, production right, or exploration right work programme as the case may be, in respect of the reduced operation.~~		N/A
~~The revised Environmental management plan or programme as the case may be of the varied operation, which clearly distinguishes between the respective liability and environmental management responsibility of the two parties.~~		N/A
~~The revised Environmental management plan or programme of the other affected party, which clearly distinguishes between the respective liability and environmental management responsibility of the two parties.~~		N/A
~~The revised Social and Labour Plan (in cases of mining or production rights) which deals with the reduced operation. (If not applicable, state N/A)~~		N/A

2.4 Addition or subtraction of shares of seams, mineralised bodies or strata

PROVIDE THE FOLLOWING INFORMATION Mark with an X where applicable	YES	NO
Is the right being varied for purposes of abandonment?		X
Is the right being varied in order to incorporate the balance into another right?		X
Is the right being varied in order to acquire additional resources from another right?		X
Is the right being varied to accommodate a subletting, subcontracting, or tribute arrangement?		X
CONFIRM THAT THE FOLLOWING INFORMATION HAS BEEN APPENDED		
~~A plan drawn to the requirements of Regulation 2(2) of the existing right.~~		N/A
~~A plan drawn to the requirements of Regulation 2(2) of the area and resources to be amended or varied.~~		N/A
~~Copy of the existing right to be varied.~~		N/A
~~Copy of the (section 11) consent of the Minister to cede, sublet, subcontract (or tribute), the balance of the resources to a third party. (If not applicable, state N/A)~~		N/A
~~Copy of the registered cession (section 11) in respect of the resources ceded to or from a third party, as the case may be. (If not applicable, state N/A)~~		N/A
~~The revised mining, prospecting, production right, or exploration right work programme as the case may be, in respect of the varied operation.~~		N/A
~~The revised Environmental management plan or programme as the case may be of the varied operation, which clearly distinguishes between the respective liability and environmental management responsibility of the two parties.~~		N/A
~~The revised Environmental management plan or programme of the other affected party, which clearly distinguishes between the respective liability and environmental management responsibility of the two parties.~~		N/A
~~The revised Social and Labour Plan (in cases of mining or production rights) which deals with the varied operation. (If not applicable, state N/A)~~		N/A

2.5 Detailed motivation for the amendment of the rights

Introduction and Transactions

Wepex Trading (Pty) Ltd, Registration Number 2015/230389/07 wishes to make amendments to their approved Prospecting Work Programme to include bulk sampling and with the amendment to apply for a Section 102 application. The original documents submitted with the application by Wepex did not make provision for bulk sampling with the prospecting on the Remaining Extent of Gloucester 674 situated in the Magisterial District of Kuruman, Northern Cape

Province in extent 1 195.750 ha (One Thousand one hundred and ninety five comma seven five zero) hectares in extent, together with all benefits and/or improvements ("Prospecting Right").

This prospecting work programme only made provision for drilling. The amended prospecting Work Programme will make provision for:

Phase	Activity (what are the activities that are planned to achieve optimal prospecting)	Skill(s) required (refers to the competent personnel that will be employed to achieve the required results)	Timeframe (in months) for the activity)	Outcome (What is the expected deliverable, e.g. Geological report, analytical results, feasibility study, etc.)	Timeframe for outcome (deadline for the expected outcome to be delivered)	What technical expert will sign off on the outcome? (e.g. geologist, mining engineer, surveyor, economist, etc)
1	Non-invasive Geological Surface Mapping	Geologist, Field Assistants	Month 1 (1)	Geological Report and Map Mapping will be undertaken over a period of 4 weeks and will focus on the location of the surface infrastructure and land use patterns. Structural mapping will also be undertaken in an attempt to unravel the topographic and structural complexities of the project area and determine other relevant stratigraphic marker horizons which may host mineralization at depth. Assmang will be consulted regularly during this process.	Month 1	Geologist
1	Non-invasive Geophysical Surveys	Geologist, Geophysical Contractor	Months 2-3 (2)	Geophysical Report and Map Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order to identify possibly concealed mineralization	Month 6	Geophysicist
1	Non-invasive Geochemical Survey	Geologist, Laboratory staff	Months 4-6 (3)	Geologist and laboratory reports	Month 6	Geologist and Laboratory manager

				A geochemical sampling programme will be utilised in terms of analysing the in-situ/dump deposits across the area. The purpose of this assaying programme is to determine manganese and iron contents of the various deposits.		
2	Invasive Access roads and drill-pad construction	Geologist, Community, Earth Works Contractor	Months 7-8 (2)	Geologist report This phase entails the construction of the 30 drill-pads such that they meet safety requirement standards which entail things such as safety berms, proper wire fencing and lighting as well as security if necessary. And will undergo inspections.	Month 8	Geologist and Manager
2	Invasive Diamond Drilling	Geologist Drilling contractor staff	Months 7-12 (6)	Daily Drill Reports Drilling minimum 30 surface drillholes – 6 months. Diamond drilling will consist of 30 holes of HQ and NQ core size to depths ranging from 50m to 100m below surface, thus producing a total of approximately 2000 meters	Month 12	Geologist
2	Non-invasive Data capture, data validation, Geological Modelling and Initial Resource Estimation report	Geologist	Month 13-15 (3)	Drill logs and Computer Model Drillhole core will be logged and sampled and data will be captured in electronic format into a Geological Borehole Information System (GBIS), validated and exported into the Micromine software for ore-body modelling, evaluation and resource estimation. A SAMREC compliant resource estimation will be undertaken	Month 15	Geologist

2	Invasive Rehabilitation of drill pads	Environmentalist (EAP) Drill contractor staff	Month 16-18 (3)	Report by Environmentalist Rehabilitation of drill-sites will be done immediately as each hole is completed.	Month 18	Environmentalist
3	Invasive Trenching/Dump cuttings	Geologist, Field Assistants, Local Community, Earth Moving Contractor Staff, Laboratory Staff	Months 7 -24 (18)	Report, Plans and Laboratory Results A total of twenty (20) surface trenches/cuts are planned for this phase of prospecting. The trenches will assist in determining the location of the in-situ Mn/Fe deposits and will be sampled to determine the quantity and quality of the mineralisation found. Cuttings will be made into historical dumps to determine their composition. Both the trenches and cuttings are planned to be no more than 50m long, 20m wide and 5m deep. Excavation and stockpiling will be done using earthmoving equipment. Trenches and cuttings will be mapped and sampled. The trenches will be barricaded off until sampling and mapping has been completed, to prevent any injury to humans or animals. The necessary Health and Safety regulations will be strictly adhered to.	Month 24	Geologist, Manager, Laboratory Manager

4	Invasive Bulk Sampling (processing)	Geologist, Manager, Earthmoving Contractor Staff and Laboratory Staff	Months 13-36 (24)	Manager and Geologist reports and Laboratory results Material excavated from the **trenches and historical dump** cuttings will be selected and processed through a crush-and-screen processing plant. Mineralized material is delivered to the plant area a point within 50m from the front end of the mobile plant. The material is then fed with earthmoving equipment into the mobile plant's vibrating feeder bin which then feeds a crusher. The crusher crushes the ore down to smaller fractions. This material is then fed into the mobile plant's multiple deck screens. The screen separates different size fractions which are then temporarily stockpiled. From the stockpiles the material is loaded onto independent transport contractor tipper trucks which transport the material to the market after being weighed on a weighbridge. Throughout the bulk sampling process, material is sampled and analyzed in order to maintain the correct Mn/Fe grade and also the correct Mn/Fe ratio both of which are crucial economic factors. Any waste created by the screening and crushing plant is then backfilled into the open excavation. The purpose of the bulk	Month 36	Geologist, Manager, Laboratory Manager

				sampling phase is to determine material quality and various metallurgical and economic factors.		
5	Non-invasive Data capture, data validation and Computer Modelling as well as Pre-feasibility Study	Geologist, Resource Modeler	Months 37 - 42 (6)	Geologist and Manager Reports Bulk sampling data and results will be combined with other exploration result to compile a comprehensive results report and pre-feasibility study. Data will be captured in electronic format into a Geological Information System (GIS), validated and exported into the Minex software for ore-body modelling, evaluation and resource estimation.	Month 42	Geologist and Manager
6	Invasive Final Rehabilitation	Geologist, Local Community, Manager, Environmentalist and Earth Moving Contractor Staff	Month 37 – 48 (12)	Rehabilitation of trenching and historical dump cuttings will be done immediately as each excavation is completed. Once bulk sampling is completed the processing site will also be rehabilitated. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the bulk sampling phase. Rehabilitated sites will be monitored to ensure vegetation growth re-occurs	Month 48	Geologist, Manager and Environmentalist

Purpose of this Application

2.5.1 The purpose of this application is to obtain the written consent of the Minster, or her authorised delegate, under section 102 of the MPRDA, to amend –

2.5.1.1 the Prospecting Right by the amendment of clause 2.1.2 of the Prospecting Right;

Effect of the Granting of the Section 102 Consents

2.5.2 The effect of the granting of the section 102 consents will be that clause 2.1.2 of the Prospecting Right (inclusive) will be AMENDED TO INCLUDE THE RIGHT TO REMOVE AND DISPOSE. The clause 2 should read as follows :

2.5.3 The Minster, or her authorised delegate, is requested to direct that the Prospecting Right and clause 2.1.2 must be amended by the execution of a notarial deed of amendment of the Prospecting Right, which notarial amendments must, after notarial execution, be registered in the Minerals and Petroleum Titles Registration Office.

Application

2.5.4 In light of the above, the Minister is hereby respectfully requested to grant her consent, in terms of section 102 of the MPRDA, for the amendment of –

2.5.4.1 the Prospecting Right by amending the existing clause 2 thereof;

Supporting Information

2.5.5 A resolution passed by the directors of Wepex Trading (Pty) Ltd authorising **THABO EZEKIEL MAFOKO ID 6202015813088** to sign this section 102 application and all related documentation as may be required in support hereof is attached hereto marked Annexure B.

2.6 Amendment of a work programme

2.6.1 Detailed motivation for the amendment

(Provide a detailed explanation of the reason for the requested amendment)

The original documents submitted with the application by Wepex did not make provision for bulk sampling with the prospecting on the Remaining Extent of Gloucester 674 situated in the Magisterial District of Kuruman, Northern Cape Province in extent 1 195.750 ha. The applicant has identified that they will not be able to determine the mineral resource without bulk sampling.

The following has been added to the Prospecting Work Programme as phase 3.

Phase 3

Trenching/Cuttings

A total of twenty (20) surface trenches/cuts are planned for this phase of prospecting. The trenches will assist in determining the location of the in-situ manganese/iron deposits and will be sampled to determine the quantity and quality of the mineralisation found.

Cuttings will be made into historical dumps to determine their composition.

Both the trenches and cuttings are planned to be no more than 50m long, 20m wide and 5m deep. Excavation, hauling and stockpiling will be done using earthmoving equipment.

Trenches and cuttings will be mapped as well as sampled.

Phase 4

Bulk sampling (processing)

Material excavated from the trenches and historical dump cuttings will be selected and processed through a crush-and-screen processing plant.

Mineralized material is delivered to the plant area a point within 50m from the front end of the mobile plant. The material is then fed with earthmoving equipment into the mobile plant's vibrating feeder bin which then feeds a crusher. The crusher crushes the ore down to smaller fractions. This material is then fed into the mobile plant's multiple deck screen. The screen separates different size fractions which are then temporarily stockpiled. From the stockpiles the material is loaded onto independent transport contractor tipper trucks which transport the material to the market after being weighed on a weighbridge.

Throughout the bulk sampling process, material is sampled and analyzed in order to maintain the correct Mn/Fe grade and also the correct Mn/Fe ratio both of which are crucial economic factors.

Any waste created by the screening and crushing plant is then backfilled into the open excavation. The purpose of the bulk sampling phase is to determine material quality and various metallurgical and economic factors.

Phase 6

Final Rehabilitation

Rehabilitation of trenching and historical dump cuttings will be done immediately as each excavation is completed. Once bulk sampling is completed the processing site will also be rehabilitated. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the bulk sampling phase. Rehabilitated sites will be monitored to ensure vegetation growth re-occurs.

2.6.2 Confirmation that the amended document is appended

(Confirm that the revised document is appended. The document itself must be revised and submitted in complete form. An addendum will not be acceptable)

It is hereby confirmed that the amended Prospecting Work Programme and Section 20 application for bulk sampling is appended. Annexure C

2.7 Amendment of an Environmental Management Plan or Programme

2.7.1 Detailed motivation for the amendment

(Provide a detailed explanation of the reason for the requested amendment)

The Environmental Authorization has been amended to include the new listed activities which will be on the site as a result of the bulk sampling. An application had also been made in terms of **AMENDMENTS TO BE APPLIED FOR IN TERMS OF PART 2 OF SECTION 31 OF NEMA** and the applicant will await the approval of the DMR (competent authority) to continue with the application.

2.7.2 Confirmation that the amended document is appended

(Confirm that the revised document is appended. The document itself must be revised and submitted in complete form. An addendum will not be acceptable)

Please see Appendix D

2.8 Amendment of a Social and Labour Plan

2.8.1 Detailed motivation for the amendment

(Provide a detailed explanation of the reason for the requested amendment)

N/A. This is a Prospecting Right

2.8.2 Confirmation that the amended document is appended

(Confirm that the revised document is appended. The document itself must be revised and submitted in complete form. An addendum will not be acceptable)

N/A. This is a Prospecting Right

3 IDENTIFICATION OF THE APPLICATION

Herewith I, the person whose name and identity number is stated below, confirm that I am the person authorised to Act as representative of the Applicant in terms of the resolution submitted with the application, and confirm that the information provided above constitutes the official application for the consent of the Minister to amend the aforesaid right, permit, programme or plan, and I furthermore undertake to lodge such consent for registration within 30 days of consent, in the event that such consent is given.

Full Names and Surname	**THABO EZEKIEL MAFOKO**
Identity Number	**ID 6202015813088**

-END-

Annexure A

DMR 36

DEPARTMENT: MINERAL RESOURCES

REPUBLIC OF SOUTH AFRICA

PROSPECTING RIGHT

Granted in terms of section 17(1) of the Mineral and Petroleum Resources Development Act, 2002
(Act No. 28 of 2002)

TABLE OF CONTENTS

Protocol No: 414/2017
File Ref No NC 11815 PR
Application No

LET IT HEREBY BE MADE KNOWN:

THAT on this 3rd day of **July** in the year **2017**, before me, **Oban Cronje** notary public, duly sworn and admitted, residing and practising at **Kimberley**, in the **Northern Cape** Province of South Africa, and in the presence of the subscribing competent witnesses, personally came and appeared:

Pieter Swart Regional Manager, **Northern Cape** Region of the Department of Mineral Resources, and as such in his/her capacity as the duly authorised representative of:

THE MINISTER OF MINERAL RESOURCES

The said Regional Manager, being duly authorised thereto under and by virtue of a Power of Attorney granted by the Deputy Director General: Mineral Regulation of the Department of Mineral Resources on the 19th day of **May** in the year **2017** in terms of the powers delegated to him by the Minister on the 12th day of May 2004 in terms of section 103 (1) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002),

AND

Thabo Ezekiel Mafoko in his capacity as the duly authorised representative of Wepex Trading (Pty) Ltd, Registration number:

2	0	1	5	/	2	3	0	3	8	9	/	0	7	

(Hereinafter together with his/her/its successors in title and assigns referred to as "the Holder", he/she, the said representative, being duly authorised thereto under and by virtue of a power of attorney/resolution of directors/members of the Holder, signed or passed at Kathu on the 29th day of June in the year 2017 which power of attorney or a certified copy of a resolution has this day been exhibited to me, the notary, and remain filed of record in my protocol with the minutes hereof.)

AND THE MINISTER AND HOLDER DECLARED THAT:

WHEREAS The State is the custodian of the nation's mineral and petroleum resources in terms of section 3 of the Act,

AND WHEREAS The Holder has applied for a prospecting right in terms of section 16 of the Act,

AND WHEREAS The Deputy Director-General: Mineral Regulation has by virtue of the powers delegated to him granted to the Holder a prospecting right in terms of Section 17 of the Act.

NOW THEREFORE THE MINISTER GRANTS A PROSPECTING RIGHT TO THE HOLDER SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

Definitions

In this prospecting right, unless the context indicates otherwise, the following words and expressions shall have the meanings assigned to them:

'***Act***' means the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and includes the Regulations, guidelines, directives and orders made in terms of this Act;

'***Effective date***' means **3rd** day of **July** in the year **2017** (being the date on which the Environmental Management Plan is approved in terms of section 39(4) of the Act];

'***Holder***' is as defined in the Act, and specifically in relation to this right, means **Wepex Trading (Pty) Ltd**, Registration No /Identification No. **201523038907**;

'***Mineral***' is as defined in the Act, and specifically in relation to this right means **Manganese Ore and Iron Ore)**;

'***Minister***' means the Minister of Mineral Resources and includes the successors in title, the assignee or any person duly authorised to act in the Minister's place and stead;

'***Prospecting Area***' is as defined in the Act and includes any additional area of environmental liability as may be reflected on the Environmental Management Plan relating to this right;

'***Prospecting right***' is as defined in the Act and includes all the Annexures to it, Agreements and inclusions by reference;

'***Prospecting Work Programme***' is defined in the Act and is as reflected in **Annexure** A to this prospecting right; and

'**Regional *Manager***' is as defined in the Act and specifically in relation to this right means the Regional Manager for the **Northern Cape** Region of the Department of Mineral Resources.

1. Description of the Prospecting Area

The Prospecting Area shall comprise the following:

Certain: **Remaining Extent of the farm Gloucester No 674**

Situated: **in the,** Magisterial/Administrative District **Kuruman**

Measuring: **1165.8** hectares in extent.

(In the case of various farms being involved, a list can be attached and referred to as **Annexure N/A**);

Which Prospecting Area is described in detail on the attached Diagram/plan marked **Annexure B.**

2. Granting of Prospecting Right

2.1 Without detracting from the provisions of sections 5 and 19 of the Act, the Minister grants to the Holder, the sole and exclusive right to:

2.1.1 Prospect for the Holder's own account, the mineral/s in, on and under the Prospecting Area,

[Where the right to remove has not been granted, Clause 2.1.2, and its sub-clauses above are not applicable and should be deleted and the rest of clause 2 should be amended accordingly before execution].

3. Commencement, Duration and Renewal

3.1. This prospecting right shall commence on **19th May 2017** and, unless cancelled or suspended in terms of section 47 of the Act, will continue in force for a period of **Five (05)** years ending on **18th May 2022.**

3.2. The Holder must commence with the prospecting operations within 120 days from the date on which the prospecting right becomes effective in terms of section 17 (5) of the Act or any later date as may, upon a written request by the Holder, be authorised in writing by the Minister in terms of the Act, failing which this right may be cancelled or suspended.

3.3. Any application for a renewal of this prospecting right shall be submitted to the office of the Regional Manager not later than 60 working days prior to the date of expiry of this right.

4. Amendments, Variation and Abandonment

4.1 The terms of this right may not be amended or varied (including by extension of the area covered by it or by the addition of minerals or a share or shares or seams, mineralized bodies, or strata, which are not at the time the subject thereof) without the written consent of the Minister.

4.2 The Holder shall be entitled to abandon or relinquish the right or the area covered by the right entirely or in part. Upon abandonment or relinquishment of the prospecting area or any portion thereof, the Holder must:

4.2.1 Furnish the Regional Manager with all prospecting results and/or information, as well as the general evaluation of the geological, geophysical and borehole data in respect of such abandoned area in so far as it applies to the mineral or any other mineral/s obtained in respect of this right, and

4.2.2 Apply for a closure certificate in terms of section 43 (3) of the Act.

4.3 With effect from the date the Holder has abandoned or relinquished a portion/s of the Prospecting Area, and subject to section 43 of the Act, the Minister is entitled to grant any prospecting rights or mining rights or any right or permit referred to in the Act in, on, or under the portion/s, so abandoned or relinquished, to any person/s.

5. Payment of Prospecting Fees and Royalties

5.1 Prospecting fees as contemplated in section 19(2)(f) of the Act are payable to the State by the Holder from the commencement of this right in accordance with Regulation 76 of the Regulations to the Act.

5.2 Royalties as contemplated in section 19(2) (g) are payable to the State by the Holder for the sale and/or disposal of the mineral in terms of and upon the implementation by the Minister of Finance of a relevant Act of Parliament or an amendment of an Act of Parliament which provides for such payment.

6. Payment of Interest

If the prospecting fees and royalties referred to in clause 5 above are not paid punctually, the Holder shall be in *mora* and shall pay interest thereon at the rate prescribed in terms of section 80 of the Public Finance Management Act, 1999 [Act 1 of 1999] reckoned from the date on which payment becomes due and payable, to the date of actual payment.

7. Restrictions and Obligations Imposed on the Holder

7.1. The Holder is entitled to the rights referred to in sections 5(2), (3) and 19 of the Act, and such other rights as may be contained in this prospecting right or such other rights as may be granted to, acquired by or conferred upon it by any other applicable law.

7.2. Prospecting operations in the prospecting area must be conducted in accordance with the Prospecting Work Programme and the approved Environmental Management Plan and any amendment thereof.

7.3. The Holder shall not trespass or enter into any homestead, house or its curtilage nor interfere with or prejudice the interests of the occupiers and/or owners of the surface of the Prospecting Area except to the extent to which such interference or prejudice is necessary for the purposes of enabling the Holder to properly exercise the Holder's rights under this prospecting right.

8. Mortgage, Cession, Transfer, and Alienation.

This prospecting right, a shareholding, an equity, an interest or participation in the right or joint venture, or a controlling interest in a company, close corporation or joint venture, may not be encumbered, ceded, transferred, mortgaged, let, sublet, assigned, alienated or otherwise disposed of without the written consent of the Minister, except in the case of a change of controlling interest in listed companies.

9. Protection of Boreholes, Shafts, adits and Excavations.

All boreholes, prospecting shafts, adits, excavations, sunk or made, by the Holder during the currency of this prospecting right shall be sealed, closed, fenced, made safe by the Holder in accordance with the approved Environmental Management Plan, the Mine Health and Safety Act, 1996 or any other applicable laws and regulations.

10. Holder's Liability for payment of Compensation for Loss or Damage

10.1. The Holder shall, during the tenure of this right while carrying out the prospecting operations under this prospecting right, take all such necessary and reasonable steps to adequately safeguard and protect the environment, the prospecting area and any person/s using or entitled to use the surface of the prospecting area from any possible damage or injury.

10.2. Should the holder fail to take reasonable steps referred to above, and to the extent that there is legal liability, the holder shall compensate such person or persons for any damage or losses, including but not limited to damage to the surface, to any crops or improvements, which such person or persons may suffer as a result of, arising from or in connection with the exercise of his/her rights under this prospecting right or of any act or omission in connection therewith;

10.3. Neither the Minister, nor the State, shall be liable for any damage or loss of whatsoever nature that may occur or result from any prospecting activities in terms of this Prospecting Right.

11. Inspection of Prospecting Area

The Minister and/or any person duly authorised thereto in writing by the Minister shall be entitled to inspect the prospecting area, the Holder's prospecting operations and the execution of the approved Environmental Management Plan on the Prospecting Area as provided for in the Act, and any instruction conveyed in writing by the Minister to the Holder requiring the proper performance by the Holder of the Holder's obligations under this prospecting right shall be put into effect by the Holder in terms of the Act.

12 Cancellation or Suspension

12.1. Subject to section 47 of the Act, the Minister may cancel or suspend this right if the Holder:

12.1.1 Submits inaccurate, incorrect and or misleading information in connection with any matter required to be submitted under the Act;

12.1.2 Fails to honour or carry out any agreement, arrangement, or undertaking, including, where applicable, the undertaking made by the Holder in terms of the Broad Based Socio Economic Empowerment Charter ~~and Social and Labour plan~~, on which the Minister relied for the granting of this right;

12.1.3 Breaches any material term and condition of this prospecting right;

12.1.4 Conducts prospecting operations in contravention of the provisions of the Act;

12.1.5 Contravenes the requirements of the approved Environmental Management Plan; or

12.1.6 Contravenes any provisions of this Act in any other manner.

12.2 Before the Minister cancels or suspends this right, the Minister must:

12.2.1 Give a written notice to the Holder indicating the intention to suspend or cancel this right;

12.2.2 Give reason/s why the Minister is considering the suspension or cancellation of this right;

12.2.3 Give the Holder 30 days to show reasons why the right should not be suspended or cancelled;

12.2.4 Notify the mortgagee, [if any] of the intention to suspend or cancel this prospecting right; and

12.2.5 Direct the holder, where it is possible to remedy a contravention, breach or failure, to take specified measures to remedy such contravention, breach or failure to comply.

12.3. If the Holder does not take the measures as specified by the Minister to remedy a contravention, breach or failure, and after having considered any representations by the holder in terms of clause 12.2.3, the Minister may suspend or cancel this right.

13. Records and Returns

13.1. The Holder shall maintain all such books, plans and records in regard to prospecting operations on the Prospecting Area as may be required by the Act and shall furnish to the office of the Regional Manager such reports and documents as may be relevant under this right.

13.2. The Holder shall annually furnish to the Regional Manager progress reports contemplated in section 21 (1) (b) of the Act in such a manner and on such timeframes as prescribed by Regulation 8.

13.3 The Holder shall furthermore at the end of each year following commencement of this prospecting right, inform the Regional Manager in writing of any new developments and of the future prospecting activities of the mineral/s on the Prospecting Area.

14. Minister's Liability for Payment of Compensation

The Minister shall not at any time be liable or responsible for the payment of compensation of whatever nature to the Holder, the Holder's successors-in-title or assigns, or any other person, as a result of the granting of this prospecting right.

15. Compliance with the laws of the Republic of South Africa

The granting of this right does not exempt the Holder and its successors in title and/or assigns from complying with the relevant provisions of the Mine Health and Safety Act, 1996, (Act no.29 of 1996) and any other relevant law in force in the Republic of South Africa.

16. Provisions relating to section 2(d) of the Act

In the furthering of the objects of this Act, the Holder is bound by, where applicable, the provisions of an agreement or arrangement dated **10th May 2016** entered into between the Holder/ empowering partner and **Thabo Ezekiel Mafoko (21%), Leslie Pugisho Rens (3%), Yolanda Oliver Schoeman (3%), Nerise Edwina Feris (3%), Yolanda Trust (35%) and Wepex Cc (35%)** (the empowerment partner) which agreement or arrangement was taken into consideration for purposes of compliance with the requirements of the Act and or Broad Based Economic Empowerment Charter developed in terms of the Act and such agreement shall form part of this right.

17. Severability

Notwithstanding anything to the contrary, any provision of this prospecting right which is contrary to any provision of the Act or which is otherwise ultra vires, null and void, voidable, or unenforceable, shall be severable from the rest of this Right, such rest thus being and remaining of full force, effect and enforceability.

18. Domicilia citandi et executandi

18.1. The parties hereto choose the following addresses as their *domicilia citandi et executandi* and for all purposes arising from this prospecting right, in particular for the purposes of serving of any notice in terms of this prospecting right, and any notice properly addressed to the under-mentioned postal addresses of the parties shall be deemed to have been received by the addressee within 14 days if given in writing and posted by registered post addressed to the addressee at the relevant postal address:

18.1.1. In the case of the ***Minister***:

Physical Address	Postal Address
Permanent Building, No 65 Phakamilemabija, **Kimberley** Code **8301** Tel **053 807 1700** Fax **053 832 5631**	**Private Bag X6093** **Kimberley** **8300**

18.1.2. In the case of the ***Holder***:

Physical Address	Postal Address
No 24 Nanyuki Road **27 Sunninghill Brooke Estate** **Sunninghill** **Gauteng** Code **2157** Tel **074 119 5932** Fax **086 568 0434**	**Postnet Suit 246** **Private Bag X 43** **Sunninghill** **2157**

18.2. Notwithstanding anything to the contrary herein contained, a written notice or communication actually received by a party at any place other than the chosen *domicilia citandi et executandi* shall constitute adequate notice or communication to the party notwithstanding that it was not sent to or delivered at such party's chosen *domicilium citandi et executandi.*

18.3. Either party shall be entitled from time to time to change the *domicilia citandi et executandi* or postal address furnished above after giving at least 14 days prior *written* notice of such change to the other party, failing which the above-mentioned addresses will remain in force.

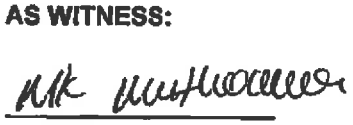
18.4 Any written notice or communication contemplated in this clause which is forwarded by one party to the other by registered post will be presumed to have been received by the addressee on the fourteenth [14] day following the date of posting from an address within the Republic of South Africa to the addressee at the postal address of the addressee for the time being as determined in accordance with the provisions of this clause.

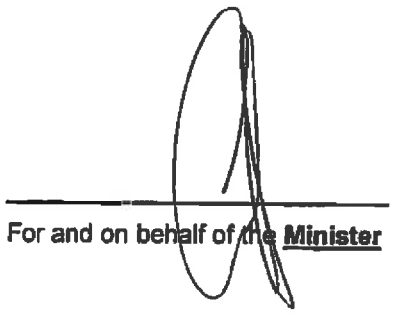
19. Costs

The Holder shall pay all costs and charges incurred in connection with the execution and registration of this prospecting right.

Thus done and signed at **Kimberley** on the 3rd day of **July** in the year **2017** in the presence of the undersigned witnesses:

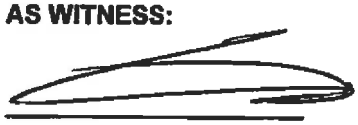
AS WITNESS:

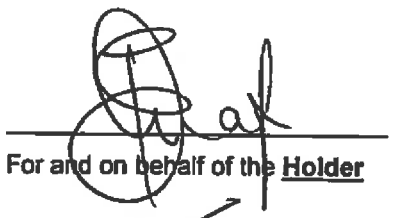




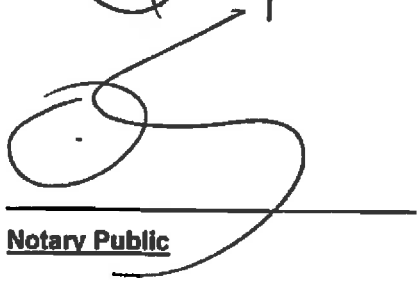
For and on behalf of the **Minister**

AS WITNESS:





For and on behalf of the **Holder**



Notary Public

11815 PR

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

NAME OF APPLICANT: WEPEX TRADING (PTY) LTD (REGISTRATION NUMBER 2015/230389/07)

REFERENCE NUMBER:

PROSPECTING WORK PROGRAMME

SUBMITTED FOR A PROSPECTING RIGHT APPLICATION WITHOUT BULK SAMPLING

AS REQUIRED IN TERMS OF SECTION 16 READ TOGETHER WITH REGULATION 7(1) OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT (ACT 28 of 2002)

STANDARD DIRECTIVE

All applicants for mining rights are herewith, in terms of the provisions of Section 16 and in terms of Regulation 7(1) of the Mineral and Petroleum Resources Development Act, directed to submit a Prospecting Work Programme, strictly under the following headings and in the following format together with the application for a prospecting right.

1. REGULATION 7.1.(a): FULL PARTICULARS OF THE APPLICANT

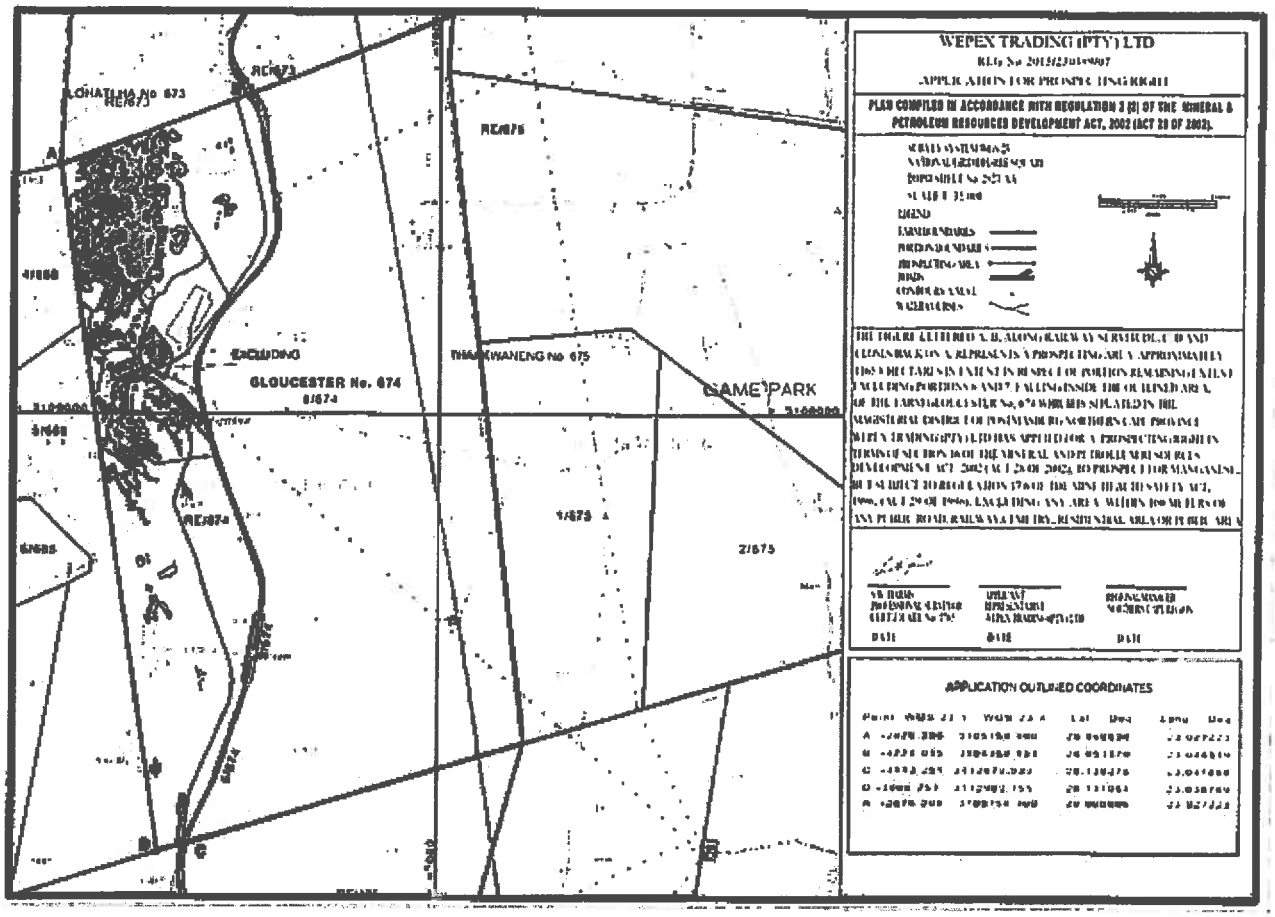
Table 1: Applicant's Contact Details

ITEM	COMPANY CONTACT DETAILS
Name	WEPEX TRADING (PTY) LTD, Registration Number: 2015/230389/07
Tel no	060 377 3891
Fax no:	086 568 0434
Cellular no	083 266 3769
E-mail address	thabo.mafoko887@yahoo.com
Postal address	Postnet suit 246, Private bag X43, Sunninghill 2157

Table 2: Consultant's Details

ITEM	CONSULTANT CONTACT DETAILS (If applicable)
Name	Minrom (Pty) Ltd
Tel no	083 704 0243
Fax no:	N/a
Cellular no	083 704 0243
E-mail address	oscar@minrom.co.za
Postal address	13 Esdoring Nook, Central Park, Highveld Technopark, Centurion, 0169,

2. REGULATION 7(1)(b): PLAN CONTEMPLATED IN REGULATION 2(2) SHOWING THE LAND TO WHICH THE APPLICATION RELATES



3. REGULATION 7(1)(c): THE REGISTERED DESCRIPTION OF THE LAND TO WHICH THE APPLICATION RELATES

Farm Name and No: Gloucester 674
Subdivision : Remaining Extent
Magisterial District: Kuruman
Province: Northern Cape
Extent: 1 195.750 ha
Title Deed No: T654/1966

4. REGULATION 7(1)(d) and (e): THE MINERAL OR MINERALS TO BE PROSPECTED FOR

Table 4.1: Minerals to be prospected for

ITEM	DETAIL
Type of mineral(s)	Iron (Fe) Manganese (Mn)
Type of minerals continued	The Iron and Manganese is situated within and on the karstic landscape of the Reivilo Formation of the Campbellrand Subgroup.
Locality **(Direction and distance from nearest town)**	The farm is situated ± 28 km north of Postmasburg and ± 54.7 km south of Kathu along the R325 provincial road.
Extent of the area required for prospecting	1 195.750 ha
Geological formation	Iron and Manganese situated within and on the karstic landscape of the Reivilo Formation of the Campbellrand Subgroup.

4.2 Description why the Geological formation substantiates the minerals to be prospected for (provide a justification as to why the geological formation supports the possibility that the minerals applied for could be found therein)

The Bishop Glouchester iron-ore and Manganese deposits are symmetrically situated on the Maremane Dome. The dome is defined by carbonate rocks of the Campbellrand Subgroup and the iron formation of the Asbesheuwels Subgroup of the Transvaal Sequence, dipping gently at less than 10 degrees in an arc to the north and south. Only the eastern half of the dome is exposed. To the west, the Transvaal strata is overlain along and angular unconformity by red beds, conglomerate, shale and quartzite of the Gamagara Formation of the Olifantshoek Group. Further to the west, some Koegas iron formation, Makganyene Diamictite and Ongeluk Lava of the Transvaal Sequence are thrust over the Gamagara Formation along a north-south striking, westerly dipping low-angle thrust fault. The Gamagara Formation also strikes north-south and dips to the west. A unit of ferruginous chert breccias (Wolhaarkop Breccia) grading upwards into a distorted iron formation (Manganore Iron Formation) is wedged unconformably between the Gamagara Formation and the Campbellrand carbonate sequence along the northern and southern extremities of the Maremane Dome.

The Bishop Gloucester iron-ore and manganese deposits are situated along the contact between the Gamagara Formation and the underlying Manganore Iron Formations in the southern part of the dome. In general two ore types are present, namely laminated hematite ore, forming part of the Manganore Iron Formation, which is more restricted than that of the Wolhaarkop Breccia and is only preserved in pockets above the latter, below the Gamagara unconformity. The basal Doornfontein Conglomerate Member of the Gamagara appears to the best development above the Manganore Iron Formation along

the east-central perimeter of the Maramane Dome and pinches out towards the centre of the dome. During the Carboniferous Period the Dwyka glacial event (Karoo Sequence) eroded portions of older sequences. A cover of tertiary soil, rubble and calcrete (Kalahari Formation) masks parts of the detail of the geology, with the result that geological modelling is almost exclusively based on exploration boreholes.

The erosion of the southern Bishop Gloucester deposit is fairly high. The result is that the Bishop Gloucester deposit is not uniform and preserved pods of ore are found below the overburden and post-Manganore sediments.

The manganese ore deposit of Glosam is extremely irregular and has been deposited on the karstic Landscape of the Reivilo Formation of the Campbellrand Subgroup. Further development of karst caused slumping of the deposit. This landscape might have formed during periods of chemical erosion (Grobbelaar and Beukes, 1986).

The bixbyite ore occur as lenticular and irregular-shaped ore zones along the base of the Sishen Shale within large solution cavities. This iron-rich manganese ore was deposited as a wad trapped in karst hollows near surface together with exogenic detrital material (Gutzmer and Beukes, 1995). The proto-ore changed to crystalline bixbyite through lithification and recrystallization. The coarse crystallinity, open textures and veining of the deposit were caused by further fluid induced remobilization and recrystallization (Gutzmer and Beukes, 1995). This supergene alteration could have taken place during the deposition of the remainder of the Olifantshoek Group, but prior to the deposition of the Karroo Supergroup (Grobbelaar and Beukes. 1986). Younger Cenosoic erosion re-activated the karst surface introducing psilomelane crusts and pyrolusite nodules (De Villiers, 1960)

Figure 1. Location of Gloucester 674 (Google Earth, 2011)

In Figure 2 the manganese ore zone as well as the Reivilo and Gamagara Formations are indicated.

The Gamagara sediments dipping 6° west cover the deposit and where the strip ratio exceeds the economical mining cost, exploitation of the deposit ceased. This deposit might extent westwards (Beukes, 1978), but due to the nature of the deposit no drilling was done to test the continuation. Post-depositional thrusting associated with the Keis Orogeny is visible north-west of Glosam where the Ongeluk Formation has been thrust on to the Gamagara Formation.

Younger detrital manganese ore associated with the present day erosional surface accumulates along slopes and exposed karst topography. This is visible as scree and gravel on the floor of the mining operation.

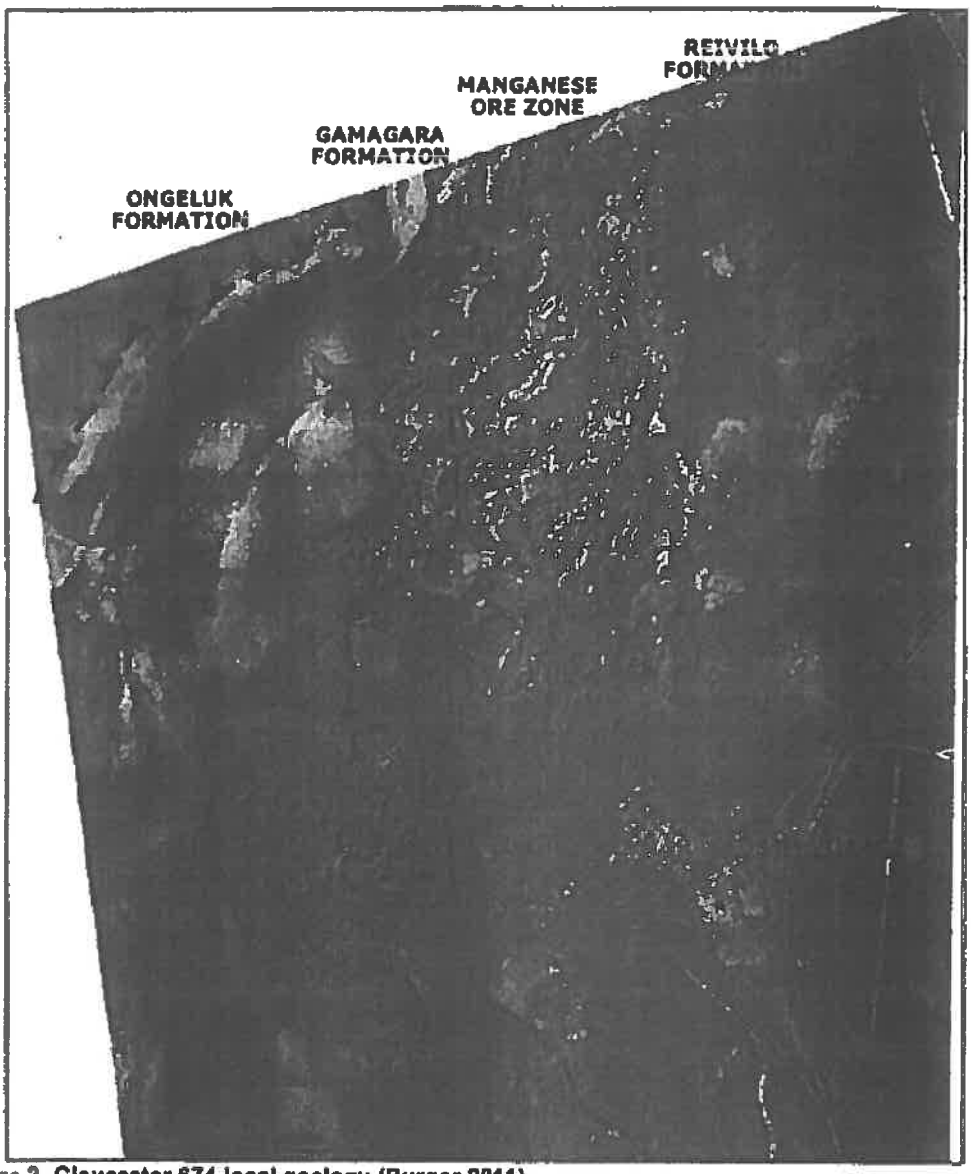
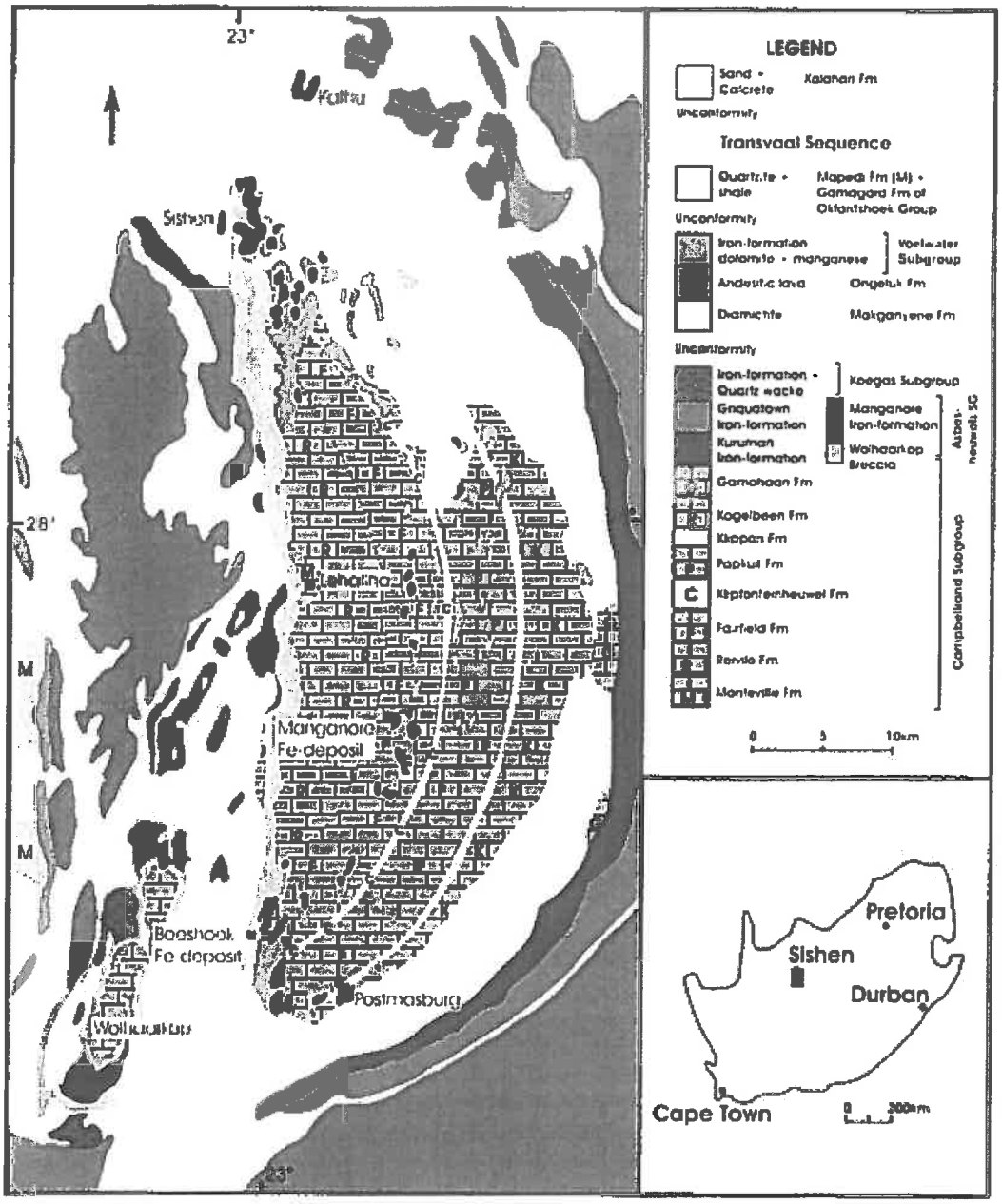


Figure 2. Gloucester 674 local geology (Burger,2011)

4.3 Attach a geological map that justifies the description why there is a possibility that the minerals applied for could occur on the land concerned.



5. REGULATION 7(1)(f): A DESCRIPTION OF HOW THE MINERAL RESOURCE AND MINERAL DISTRIBUTION OF THE PROSPECTING AREA WILL BE DETERMINED

In terms of Regulation 7(1)(f) of the Minerals and Petroleum Resources Development Act (the Act), the following prospecting activities are planned for the prospecting area:

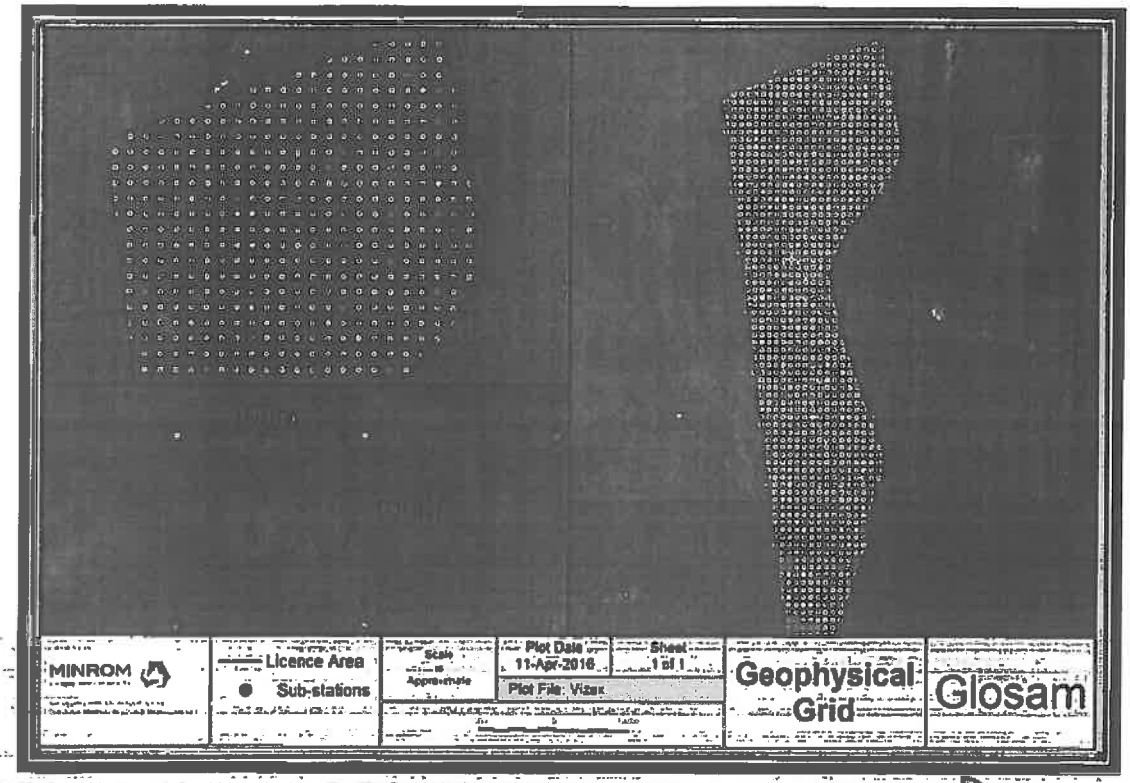
Prospecting work to be performed

(i) Geological Surface Mapping

The first phase of geological mapping will be focused on evaluating the potential of the manganese deposit within the prospecting area. This will be conducted through surface geological mapping, structural mapping and subsurface interpretations of the structural trends to identify potential open-castable mineral reserves of undisturbed structural blocks

(ii) Geophysical surveys

Ground magnetics and ground gravity geophysical programmes will be conducted on a 100mX100m pre-determined grid to determine the location of the manganese formation. From the primary geophysics, Infill substations (50mX50m grid spacing) will be conducted on geophysical targets.



(iii) Geochemical surveys

A geochemical survey/sampling programme will be utilised in terms of analysing the in-situ ore material across the area. The purpose of this assaying technique is to determine the subsurface ore grade variation throughout the prospecting area. The sample spacing will be confined to approximately 200m, where possible, and selected based on the availability of fresh subsurface ore material.

(iv) Invasive prospecting activities

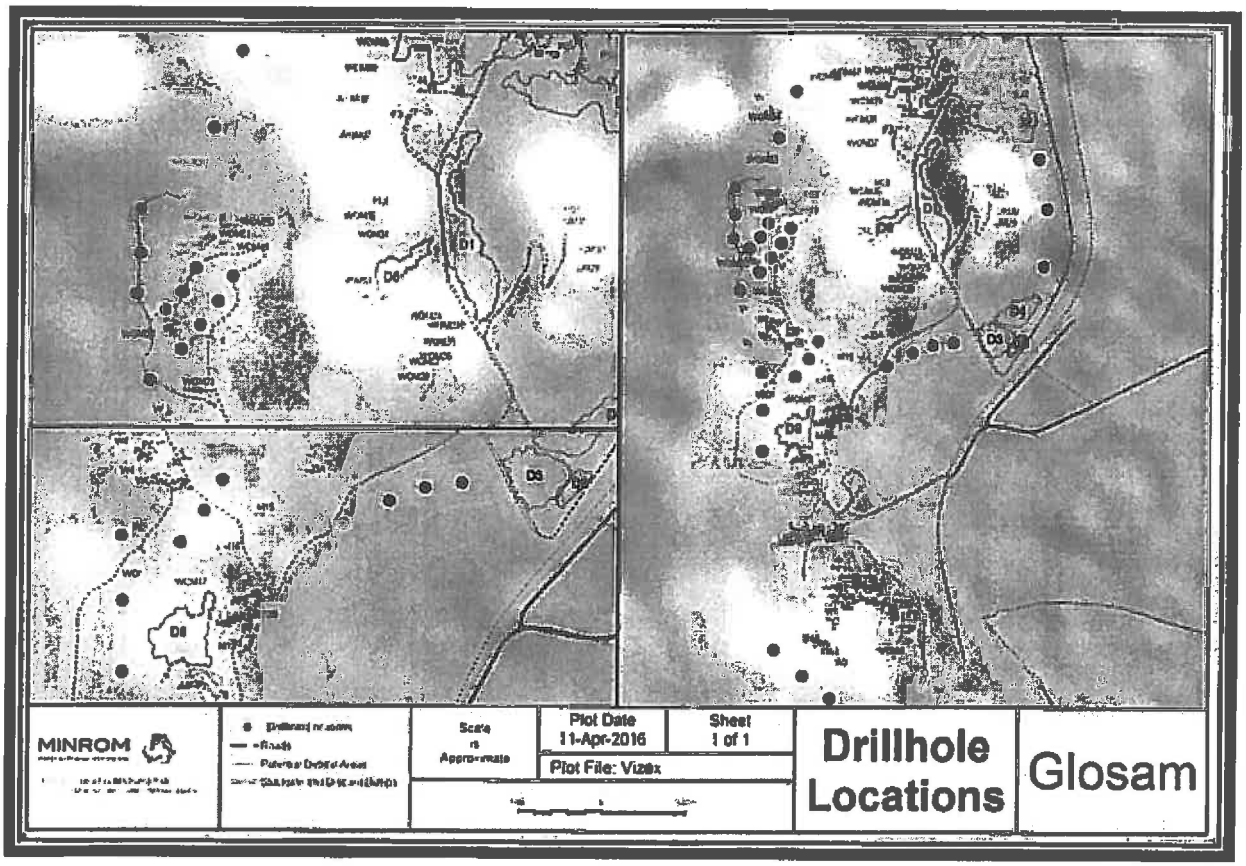
A programme of thirty (30) surface diamond drill holes are planned, comprising HQ and NQ size core at depths of 50m to 100m, thus producing drilled cores. The drilling locations are selected based on the previous phases of exploration in which data acquisition and interpretations of the ore body have resulted in the delineation of target areas for subsurface drilling exploration. The drilling programme consists of the following:

- 30 drillholes in total,
    - 20 drillholes allocated to delineating the shallow pockets of manganese ore,
    - 10 drillholes allocated for deeper drilling for duplicate material,

The drillhole location co-ordinates are listed in the table below followed by a map illustration the drillhole locations in the field:

Hole ID	EAST	NORTH	Elevation	Depth(m)
GLDD01	700596,3	6893055	1402,114	100
GLDD02	700718,3	6893100	1399,823	50
GLDD03	700843,3	6893117	1396,853	50
GLDD04	701352,3	6894210	1384,34	50
GLDD05	701402,9	6893913	1388,652	50
GLDD06	701385,1	6893573	1380,41	50
GLDD07	701156,7	6894928	1369,16	50
GLDD08	700440,8	6892977	1405,475	50
GLDD09	700029,2	6893126	1437,038	50
GLDD10	699970,3	6893020	1438,933	100
GLDD11	699889,6	6892913	1444,832	50
GLDD12	699805,1	6893707	1439,134	100
GLDD13	699680,1	6893742	1426,104	100
GLDD14	699530,2	6893881	1400,609	100
GLDD15	699858,2	6893797	1439,09	50
GLDD16	699743	6893622	1434,091	50
GLDD17	699616,8	6893677	1419,929	50
GLDD18	699728,3	6893827	1426,751	50
GLDD19	699532,2	6894039	1390,784	50
GLDD20	699518,8	6893734	1408,01	50
GLDD21	699564,8	6893424	1408,55	50
GLDD22	699676,7	6893537	1425,901	100

GLDD23	699696,6	6892935	1418,492	100
GLDD24	699887,7	6894605	1443,593	50
GLDD25	699788,9	6894331	1427,275	100
GLDD26	699700,2	6892714	1443,469	50
GLDD27	699701,5	6892471	1444,416	100
GLDD28	699778,3	6891292	1453,044	50
GLDD29	699944,4	6891139	1464,635	100
GLDD30	700115	6891005	1441,731	50



(ii) Road construction and drill pads

This phase entails the grading of an estimated distance of 5 kilometres of new tracks and the construction of the thirty (30) drill-pads. The farm already has an existing road network which will be used as far as possible.

AND

REGULATION 7(1)(h): ALL PLANNED PROSPECTING ACTIVITIES MUST BE CONDUCTED IN PHASES AND WITHIN SPECIFIC TIMEFRAMES

The current prospecting programme represents the first phase of exploration on the Gloucester 674 application area.

Prospecting Phases

Phase 1 – Geological surface mapping (4 weeks)

Surface mapping will focus on assessing surface infrastructure and land distribution patterns which may affect future prospecting, as well as locating the mineralised areas and sub-outcrop positions of the manganese in conjunction with the geophysical surveys. This will aid in the understanding of the structural setting and nature of the underlying geology.

- Structural interpretation revisited with follow up field mapping – 4 weeks

Phase 2 – Geophysics (2 Months)

Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order to assist in delineating the subsurface manganese ore material and potential target areas for the drilling programme. Vegetation clearance may be required during the programme but will be kept to a minimum.

Phase 3 – Access roads and drill-pad construction (2 months)

This phase entails the construction of the drill-pads such that they meet the requirements of safety standards which entail aspects such as safety berms, proper wire fencing and lighting as well as security if necessary. Regular inspections by the appointed geologist will be done.

Phase 4 – Drilling Programme (6 Months)

This phase entails the execution of the drilling programme. The drillhole locations were selected based on a combination of all the data collected and geological interpretations developed throughout the previous phases. The programme consists of 50m holes assigned to delineate the shallow pockets of manganese ore and 100m holes in order to obtain deeper duplicate material.

The phase 3 drilling programme is envisaged within the following timeframe:

- Health and safety, environment and community – 1 month
- HSEC risk assessment – 3 days
- Engage contractor – 3 weeks
- Safety induction of contractor – 3 days
- Road Construction – 1Km
- Site establishment / intersite move – 1 day per site
- Commencement of drilling – within 6 months
- Rehabilitation will be carried concurrently as drilling progresses.
- Logging of core, capturing and validating into database – concurrently with drilling on an ongoing basis.
- Chemical analyses – concurrently with drilling.

Phase 5 – Geological Modelling and CPR Report (3 Months)

This phase constitutes the following:

- Validation of data and input into computer software package,
- Generation of geological model and generation of mineral resource estimates,
- Structural interpretation revisited with follow up field mapping,
- CPR report construction JORC compliant,

Oscar Van Antwerpen serves as the competent person for this CPR report and is able to sign off as per JORC specifications. Minrom has been involved in a number of geological exploration projects in the northern cape to date which include the following:

PROJECT	DATE	CLIENT
Japies Rus, Postmasburg, Northern Cape. Phase 1: High level Geological surface mapping of the project area, surface sampling of the high and medium grade zones, structural mapping and interpretation of the project area, subsurface 3D modeling of the ore units.	2014	Adam Co.
Glosam Trenching Project,	2014	Adam Co.

Gloucester farm, Postmasburg, Northern Cape. Phase 1: Initial on site investigation and potential target estimation, exploration trenching program and subsequent sapling program of the trenches.		
Tsantsabane Postmasburg, Northern Cape. Phase 1: Surface mapping of the ore dumps and the excavation pits on the property, estimation of the detrital package and the remaining material. Phase 2: Trenching program of the detrital package and subsequent sampling of the trenches.	2014	Ore Cap
Kareepan Postmasburg, Northern Cape. Surface mapping of the stockpiles and excavation pits on the property, sampling of the stockpiles. Phase 2: Trenching program of the detrital package in the area, 3D modeling of the detrital material, and sampling of the trenches showing mineralization potential.	2014	MainStreet
Kapstewel Postmasburg, Northern Cape. Phase 1: Surface mapping of the stockpiles and excavation pits in the area, sampling of the stockpiles and prioritization of the stockpiles in terms of their manganese and iron content.	2014	Gemcap

Oscar van Antwerpen is the current director of Minrom Namibia and Minrom South Africa and holds the following Qualifications:

- BSc MSc Geology, University of Port Elizabeth, Stellenbosch and Louisiana, Graduate Diploma

in Mining Engineering, University of Witwatersrand, MPhil Environmental Management, University of Stellenbosch, Member of the South African Geological Society, Registered professional natural scientist with SACNASP.

Phase 6 – Rehabilitation (Performed concurrently with the drilling programme – 3 Months)

Rehabilitation of drill-sites will be done concurrently as each hole is completed. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the diamond drilling activity. Rehabilitated sites will be monitored after drilling and trenching has been completed to ensure vegetation growth re-occurs.

AND

REGULATION 7(1)(i):TECHNICAL DATA DETAILING THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED AND THE TIME REQUIRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION

The proposed prospecting to be undertaken is set out in 7(1)(h) above as is required in terms of Regulations 7 (1) (h) and (i) of the Act. It shows the phases and timeframes for the proposed prospecting on the Gloucester 674 prospecting right area.

The objective of the prospecting work programme is to target the main manganese mineralisation and bring the resource to a measured resource category as stipulated by the JORC/Samrec codes.

The expected range of depths to be drilled of core boreholes with a diameter of 60 to 76mm is between 50m and 100m.

The table below incorporates the information required in respect of Regulations 7(1)(f), 7(1)(h) and 7(1)(i):

Table 5.1

Phase	Activity (what are the activities that are planned to achieve optimal prospecting)	Skill(s) required (refers to the competent personnel that will be employed to achieve the required results)	Timeframe (in months) for the activity)	Outcome (What is the expected deliverable, e.g. Geological report, analytical results, feasibility study, etc.)	Timeframe for outcome (deadline for the expected outcome to be delivered)	What technical expert will sign off on the outcome? (e.g. geologist, mining engineer, surveyor, economist, etc)
1	Non-invasive Geological Surface Mapping	Geologist, Field Assistants	1	Mapping will be undertaken over a period of 4 weeks and will focus on the location of the surface infrastructure and land use patterns. Structural mapping will also be undertaken in an attempt to unravel the topographic and structural complexities of the project area and determine other relevant stratigraphic marker horizons which may affect the manganese at depth. Assmang will be consulted regularly during this process.	1 months	Geologist
	Non-invasive Geophysical Surveys	Geologist, Geophysical Contractor	2	Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order	2 months	Geologist

				to assist in delineating the subsurface manganese ore material and potential target areas for the drilling programme. Vegetation clearance may be required during the programme but will be kept to a minimum.		
2	Invasive Access roads and drill-pad construction	Geologist, Community, Earth Works Contractor	2	This phase entails the construction of the 30 drill-pads such that they meet safety requirement standards which entails things such as safety berms, proper wire fencing and lighting as well as security if necessary. And will undergo inspections	6 months	Geologist
3	Invasive Diamond Drilling	Geologist Environmentalist (EAP)	6	This drilling programme is envisaged within the following timeframes: Health and safety, environment and risk – 3 week HSEC risk assessment sign off – 3 days Engage contractor and finalise drilling contract – 2 weeks Safety induction of drilling contractor personnel – 7 days	6 months	Geologist

				Drilling minimum 30 surface boreholes – 6 months. Drilling is only carried out during the day no drilling is done at night due to noise levels which may affect surrounding infrastructure and people. Diamond drilling will consist of 30 holes of HQ and NQ core size to depths ranging from 50m to 100m below surface, thus producing a total of approximately 2000 meters		
4	Non-invasive Data capture, data validation, Geological Modelling and CRP report construction	Geologist, Resource Modeler	3	Borehole core will be logged and sampled and borehole data will be captured in electronic format into a Geological Borehole Information System (GBIS), validated and exported into the Micromine software for ore-body modelling, evaluation and resource estimation. The construction of a CPR report that is JORC compliant will follow the modelling process.	3 months	Geologist
5	Invasive	Geologist	3	Rehabilitation of drill-sites will be done immediately as each hole is completed.	3 months	Geologist

	Rehabilitation	Environmentalist (EAP)		Access road rehabilitation is carried out when all prospecting phases are completed at the end of the diamond drilling activity. Rehabilitated sites will be monitored after drilling has been completed to ensure vegetation growth re-occurs		

6. REGULATION 7(1)(g): A DESCRIPTION OF THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED

(i) DESCRIPTION OF PLANNED NON-INVASIVE ACTIVITIES:

(These activities do not disturb the land where prospecting will take place e.g. aerial photography, desktop studies, aeromagnetic surveys, etc)

(i) Geological Surface Mapping

A first phase of geological surface mapping will focus on assessing surface infrastructure and land distribution patterns which may affect future prospecting, as well as locating the mineralised areas and sub-outcrop positions of the manganese in conjunction with the geophysical surveys. This will aid in the understanding of the structural setting and nature of the underlying geology.

(ii) Geophysical surveys

Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order to assist in delineating the subsurface manganese ore material and potential target areas for the drilling programme. Vegetation clearance may be required during the programme but will be kept to a minimum. This will be conducted in conjunction with the field mapping.

(iii) Geochemical surveys

A geochemical survey/sampling programme will be utilised in terms of analysing the in-situ ore material across the area. The purpose of this assaying technique is to determine the subsurface ore grade variation throughout the prospecting area. The sample spacing will be confined to approximately 200m, where possible, and selected based on the availability of fresh subsurface ore material.

(iii) Geological Modelling

Structural interpretation revisited with follow up field mapping. This phase constitutes the following:

- Validation of data and input into computer software package,
- Generation of geological model and generation of mineral resource estimates,
- Structural interpretation revisited with follow up field mapping,
- CPR report construction JORC compliant,

(ii) DESCRIPTION OF PLANNED INVASIVE ACTIVITIES:

(These activities result in land disturbances e.g. sampling, drilling, bulk sampling, etc)

(i) Diamond Drilling

A programme of sixty (30) surface diamond drill holes are planned, comprising HQ and NQ size core and depths ranging from 50m to 100m, thus producing drilled cores. The drillhole locations were selected based on a combination of all the data collected and geological interpretations developed throughout the previous phases. The programme consists of 50m holes assigned to delineate the shallow pockets of manganese ore and 100m holes in order to obtain deeper duplicate material.

The drilling programme is envisaged within the following timeframe:

- Health and safety, environment and community – 1 month
- HSEC risk assessment – 3 days
- Engage contractor – 3 weeks
- Safety induction of contractor – 3 days
- Road Construction – 1Km
- Site establishment / intersite move – 1 day per site
- Commencement of drilling – within 6 months
- Rehabilitation will be carried concurrently as drilling progresses.
- Logging of core, capturing and validating into database – concurrently with drilling on an ongoing basis.
- Chemical analyses – concurrently with drilling.

(ii) Road construction and drill pads

This phase entails the grading of ~1 kilometre of new road, the construction of ~1 kilometre of new road, and the construction of the six (30) drill-pads such that they meet the requirements of safety standards which entail aspects such as safety berms, proper wire fencing and lighting as well as security if necessary. Regular inspections by the appointed geologist will be done.

(iii) DESCRIPTION OF PRE-/FEASIBILITY STUDIES
(Activities in this section includes but are not limited to: initial, geological modeling, resource determination, possible future funding models, etc)

The proposed prospecting work to be undertaken is set out in the above application shows the phases and timeframes for the proposed prospecting on Gloucester 674.

The objective of the prospecting work programme is to target the manganese mineralisation with a view of increasing the geological confidence factor to assess its mining potential. The intention is to generate an "inferred" mineral resource in accordance with the principles of the JORC/SAMREC code, in the initial stage.

The expected range of depth to be drilled with HQ and NQ diameter core is between 50m and 100m from surface.

Samples are submitted to SGS Lakefields, South Africa. All assay results are quality controlled with standards, duplicates and blanks sample submissions and compliant with international standards.

Geological-structural interpretations and compilation of a geological model - this is an ongoing process and requires time for both, field mapping, data capture and validation, and receipt of assay results for incorporation in to the downhole geological logs.

3D resource modeling is done externally with the Micromine software; after the data from the drilling phase has been finalised, captured and imported in to Micromine. From the 3D geological modeling, volume and tonnage estimations can be conducted and are incorporated in the CPR report.

Once the above phases have been successfully completed the applicant will conduct a techno-economic evaluation of the project and based on the results of the valuation possibly conduct a more detailed feasibility study.

Commitment to provide addendums in respect of additional prospecting activities

I herewith commit to provide the Department of Mineral Resources with an addendum in respect of both the EM Plan and Prospecting Work Programme regarding any future in-fill prospecting required but not described above, prior to undertaking such activities. The addendum will cover all the Regulations as per the Prospecting Work Programme.

I agree that the addendums will provide for similar activities only and if the scope changes I would be required to apply in terms of Section 102 of the MPRDA for an amendment of the Prospecting Work Programme

Mark with X

ACCEPT	X

7. REGULATION 7(1)(j)(i):DETAILS WITH DOCUMENTARY PROOF OF THE APPLICANT'S TECHNICAL ABILITY OR ACCESS THERETO TO CONDUCT THE PROPOSED PROSPECTING OPERATION

7.1 Competencies to be employed in terms of the Mine Health and Safety Act

COMPETENCIES TO BE EMPLOYED (List the legal appointments that will be made in terms of the Mine Health and Safety Act, appropriate for the type of operation)
Minrom (Pty) Ltd who are the Geological consulting company appointed to perform and manage the exploration work. Oscar Van Antwerpen (Director of Minrom) serves as the competent person.

I herewith confirm that I, in Table 9.1 have budgeted and financially provided for the required skills listed above.

CONFIRMED (Mark with an X)	X

7.2 List of Appropriate equipment at your disposal (If Applicable)

Table D: Appropriate Equipment Available

Not Applicable, all to be used are the property of the contracting companies.
Contractors will be used for the prospecting activities.

7.3 Technical skills provided Free of Charge

7.3.1 Information (CV's) in respect of skills already acquired (append)

7.3.2 Copy of the relevant contractual agreements between the service provider and the applicant relative to the duration of the planned prospecting period, where applicable.(append)

7.3.3 ALL other evidence of Technical Ability (append)

All contractual agreements will be negotiated and signed as soon as the relevant right is issued.

The company profiles of IGLOO Planthire (Pty) Ltd and Wepex CC which will provide the technical and financial competence for this application.

CV's for the professional persons including the Geologist (Minrom: Oscar van Antwerpen) and Environmentalist (EAP) is also attached

8. REGULATION 7(1)(j)(ii):DETAILS WITH DOCUMENTARY PROOF OF A BUDGET AND DOCUMENTARY PROOF OF THE APPLICANT'S FINANCIAL ABILITY OR ACCESS THERETO

AND

9. REGULATION 7(1)(k) A COST ESTIMATE OF THE EXPENDITURE TO BE INCURRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION (remember to also include prospecting fees)

Table 9.1

ACTIVITY	YEAR 1 Expenditure (R')	YEAR 2 Expenditure (R')	YEAR 3 Expenditure (R')	YEAR 4 Expenditure (R')
Phase 1 & 2(3 months) Surface Mapping / Geophysics	1 000 000			
Phase 3(2 months) Site establishment, access road and drill pad construction		380 000		
Phase 4(6 months) Diamond drilling, sampling and pulling drill rig with dozer		1 500 000	1 500 000	
Core trays		40 000		
Phase 5(12 months) Data capture, validation, Geological Modelling & CPR construction		200 000	200 000	200 000
Phase 6(4 months) Rehabilitation				250 000
Annual Total	1 000 000	2 280 000	1 700 000	450 000
			Total Budget	5 430 000

NOTE! If any person (including the applicant) provides services in any job or skills category at a reduced rate or free of charge, then such person's Curriculum Vitae (CV) must be attached as documentary proof of the technical ability available to the applicant.

10. FINANCIAL ABILITY TO GIVE EFFECT TO THE WORK PROGRAMME

10.1 The amount required to finance the Work Programme.

(State the amount required to complete the work)

R 5 430 000.00 (Four million five hundred and eighty thousand Rand only). There are costs involved that is unknown at present as it depends on the outcome from the previous phase/s.

10.2 Detail regarding the financing arrangements

(Elaborate on the financing arrangements, in terms of where the finance will be sourced, extent to which the financing has been finalized and on the level of certainty that such financing can be secured.)

The applicant will secure the funds through Igloo Planthire (Pty) Ltd and Wepex CC of which financial statements are attached and also letters of intent (undertakings) to finance the exploration activities.

10.3 Confirmation of supporting evidence appended

(Attach evidence of available funding and or financing arrangements such as balance sheets, agreements with financial institutions, underwriting agreements, etc. and **specifically confirm** in this regard what documentation has been attached as appendices).

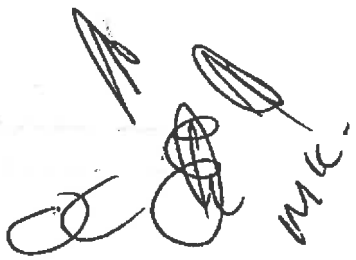
All documentation from Igloo Planthire (Pty) Ltd and Wepex CC of which financial statements are attached and also letters of intent to finance the exploration activities.

11 Confirmation of the availability of funds to implement the proposed project.

I, Wynand Meyer, the undersigned and duly authorized by WEPEX CC, confirm the availability of the funds and to the implementation of the available funds to the proposed project.

12 I herewith confirm that I have budgeted and financially provided for the total budget as identified in Regulation 7(1)(k).

Confirmed (Mark with an X)	**X**



13 REGULATION 7(1) (m): UNDERTAKING, SIGNED BY THE APPLICANT, TO ADHERE TO THE PROPOSALS AS SET OUT IN THE PROSPECTING WORK PROGRAMME

Table: 13.1

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted with the application, and undertake to implement this prospecting work programme and adhere to the proposals set out herein.	
Full Names and Surname	THABO EZEKIEL MAFOKO
Identity Number	ID 6202015813088

END

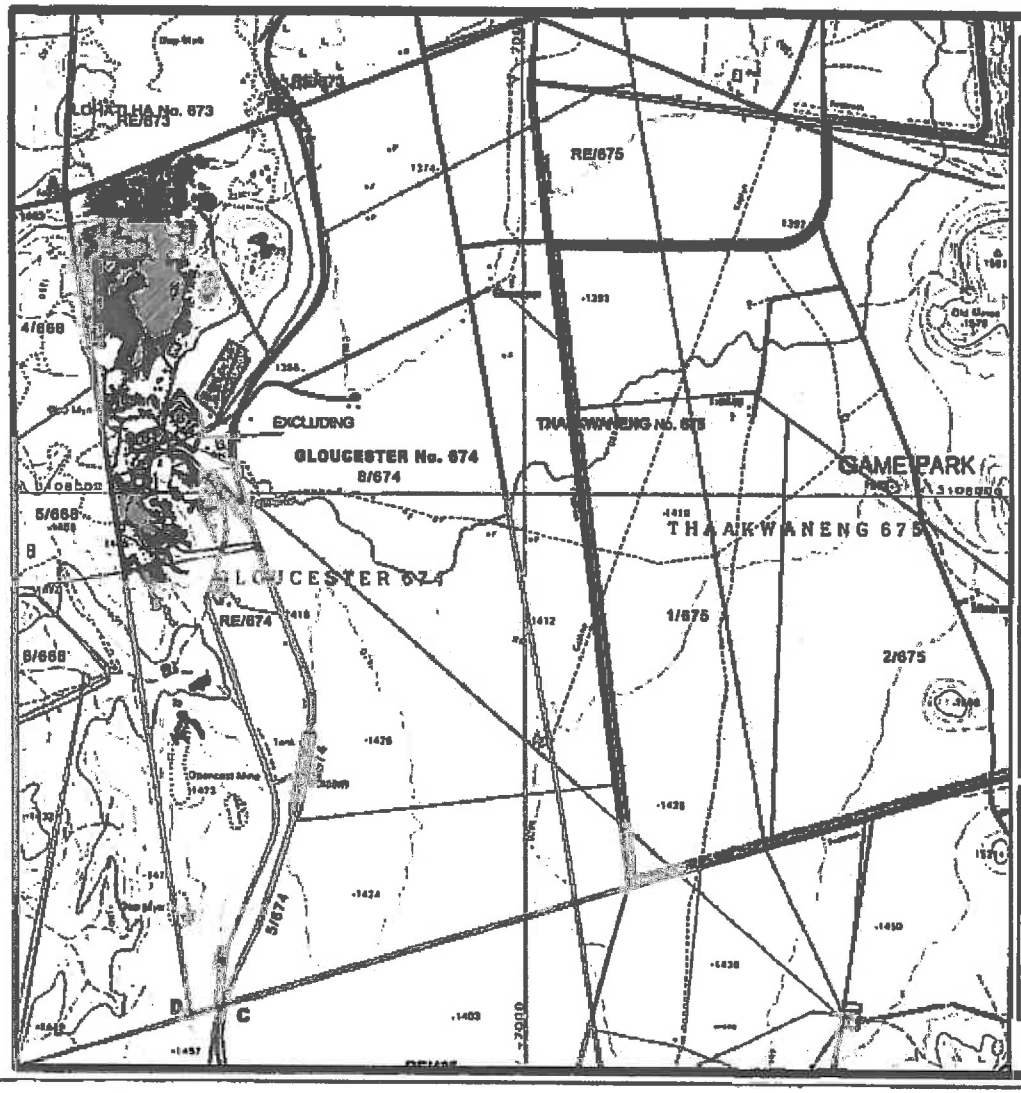
NC 30/5/1/1/2/ 11815 PRR

APPROVAL

I, Pieter Swart, the undersigned and duly authorized thereto by the Department of Mineral Resources, have studied and approved the contents of this Prospecting Work Programme.

Signed at Kimberley on this 3rd day of July 2017.

REGIONAL MANAGER
MINERAL REGULATION
NORTHERN CAPE
DEPARTMENT OF MINERAL RESOURCES



WEPEX TRADING (PTY) LTD

REG No 2015/230389/07

APPLICATION FOR PROSPECTING RIGHT

PLAN COMPILED IN ACCORDANCE WITH REGULATION 2 (2) OF THE MINERAL & PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002).

SURVEY SYSTEM WGS 23
NATIONAL GRID DEGREE SQUARE
TOPO SHEET No. 2823 AA
SCALE 1: 35 000

LEGEND
FARM BOUNDARIES
PORTION BOUNDARIES
PROSPECTING AREA
ROADS
CONTOURS A.M.S.L.
WATER COURSES

THE FIGURE LETTERED A, B, ALONG RAILWAY SERVITUDE, C, D AND CLOSES BACK ON A, REPRESENTS A PROSPECTING AREA APPROXIMATELY 1165.8 HECTARES IN EXTENT IN RESPECT OF REMAINING EXTENT, EXCLUDING PORTIONS 6 AND 7, FALLING INSIDE THE OUTLINED AREA, OF THE FARM GLOUCESTER No. 674 WHICH IS situated IN THE MAGISTERIAL DISTRICT OF POSTMASBURG NORTHERN CAPE PROVINCE. WEPEX TRADING (PTY) LTD HAS APPLIED FOR A PROSPECTING RIGHT IN TERMS OF SECTION 16 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002), TO PROSPECT FOR MANGANESE, BUT SUBJECT TO REGULATION 17.6 OF THE MINE HEALTH SAFETY ACT, 1996, (ACT 29 OF 1996), EXCLUDING ANY AREA WITHIN 100 METERS OF ANY PUBLIC ROAD, RAILWAY, CEMETRY, RESIDENTIAL AREA OR PUBLIC AREA

S.W. HARMS
PROFESSIONAL SURVEYOR
CERTIFICATE No: 1765
DATE:

APPLICANT
REPRESENTATIVE
WEPEX TRADING (PTY) LTD
DATE: 03/07/2017

REGIONAL MANAGER
NORTHERN CAPE REGION
DATE: 3/7/17

APPLICATION OUTLINED COORDINATES

Point	WGS 23 Y	WGS 23 X	Lat. Deg	Long. Deg
A	-2878.206	3105188.400	28.060806	23.027223
B	-4773.015	3104388.163	28.053379	23.048648
C	-4113.251	3112878.829	28.130278	23.041886
D	-3806.751	3112869.186	28.131084	23.036769
A	-2878.206	3105188.400	28.060806	23.027223

Certificate Issued by the Companies and Intellectual Property Commission on Wednesday, July 08, 2015 01:09
Registration Certificate

Companies and Intellectual Property Commission
a member of the dti group

Registration number	2015 / 230389 / 07
Enterprise name	WEPEX TRADING (PTY) LTD
Enterprise shortened name	NOT APPLICABLE
Enterprise translated name	NOT APPLICABLE
Registration date	08/07/2015
Business start date	08/07/2015
Enterprise type	PRIVATE COMPANY
Enterprise status	IN BUSINESS
Financial year end	FEBRUARY
Type of MOI	STANDARD (COR15.1A)
Main business/main object	BUSINESS ACTIVITIES NOT RESTRICTED.
Postal address	27 SUNNINGHILL BROOK ESTATES 24 NANYUKI ROAD SUNNINGHILL GAUTENG 2157
Address of registered office	27 SUNNINGHILL BROOK ESTATES 24 NANYUKI ROAD SUNNINGHILL GAUTENG 2157

The Companies and Intellectual Property Commission of South Africa
P.O. Box 429, Pretoria, 0001, Republic of South Africa
Docex 256, Pretoria
Contact centre 086 100 2472
www.cipc.co.za

Companies and Intellectual Property Commission

a member of the dti group

COMPANIES AND INTELLECTUAL PROPERTY COMMISSION
REPUBLIC OF SOUTH AFRICA

Form CoR 14.3 - Registration Certificate

Issue date:	08/07/2015
Print date:	08/07/2015
Customer code:	DUPCO1
Tracking number:	927670614

Concerning:

WEPEX TRADING (Pty) Ltd 2015/230389/07

The above company has been registered in terms of section 14 of the Companies Act, 2008.

In accordance with the Notice of Incorporation, the registration of the company takes effect on 08/07/2015.

In conjunction with this certificate, the Commission has not issued another notice contemplated in section 12 (3).

Acting Commissioner: CIPC

About this Notice

This Notice is issued in terms of section 14 of the Companies Act, 2008, and Regulation 14 of the Companies Regulations, 2011.
If the Commission has altered the name of the company, in terms of section 14 (2) (b), the company may file an amended Notice of Incorporation to change the name.
If the Commission has issued a Notice of a Potentially Contested Name in conjunction with the Certificate, the company must serve that Notice on each person identified in the Notice, and any such person has the right to challenge the use of the name, by the company.

The Companies and Intellectual Property Commission of South Africa
P.O. Box 429, Pretoria, 0001, Republic of South Africa
Dx ex: 256, Pretoria
Contact centre: 086 100 2472
www.cipc.co.za

CERTIFICATE No: 4

SHARE CERTIFICATE

WEPEX TRADING (PTY) LTD

(Incorporated under the Companies Act – 1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on such such shares.

Name of Share Holder:	NERISE EDWINA FERIS (ID: 880624 0116 089)
Address:	21 EMERALD CRESCENT, KATHU, 8446
Number of shares:	30 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 1 TO 30

Signed at: Kimberley

Date: 10th May 2016

Director: _____

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.

CERTIFICATE No: 5

SHARE CERTIFICATE

WEPEX TRADING (PTY) LTD

(Incorporated under the Companies Act – 1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on each such shares.

Name of Share Holder:	LESLIE FUGHHO RENS (ID: 691022 5597 080)
Address:	1 JOKA STREET, BOICHOO LOCATION, POSTMANSBURG, 8420
Number of shares:	30 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 31 TO 60

Signed at: Kimberley

Date: 10th May 2016

Director: _____

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.

CERTIFICATE No: 6

SHARE CERTIFICATE

WEPEX TRADING (PTY) LTD

(Incorporated under the Companies Act – 1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on each such shares.

Name of Share Holder:	YOLANDY OLIVIER SCHOEMAN (ID: 9101119 0187 085)
Address:	KHUDANYANE STREET, MOZOPO NR14, KATHU, 8446
Number of shares:	30 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 61 TO 90

Signed at: Kimberley

Date: 10th May 2016

Director: _____

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.

CERTIFICATE No: 7

SHARE CERTIFICATE

WEPEX TRADING (PTY) LTD

(Incorporated under the Companies Act–1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on each such shares.

Name of Share Holder:	YOLANDY TRUST (Trust Number: IT118/2003)
Address:	HUIS NR 2, GLOSAM, POSTMANSBURG, 8420
Number of shares:	350 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 91 TO 440

Signed at: Kimberley

Director: _____

Date: 10th May 2016

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.

CERTIFICATE No: 8

SHARE CERTIFICATE

WEPEX TRADING(PTY) LTD

(Incorporated under the Companies Act –1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on each such shares.

Name of Share Holder:	THABO EZEKIEL MAFOKO (ID: 620201 5813 088)
Address:	887 MORALADI STREET, IKAGENG LOCATION, POTCHEFSTROOM
Number of shares:	210 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 441 TO 650

Signed at: Kimberley

Date: 10th May 2016

Director: _____

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.

CERTIFICATE No: 9

SHARE CERTIFICATE

WEPEX TRADING(PTY) LTD

(Incorporated under the Companies Act –1956, Registration Number: 2015/230389/07)

This is to certify that the person(s) named in this Certificate is/are the Registered Holder(s) of the within-mentioned Share(s) bearing the distinctive number(s) herein specified in the above Company subject to the Memorandum and Articles of Association of the Company and that the amount endorsed hereon has been paid up on each such shares.

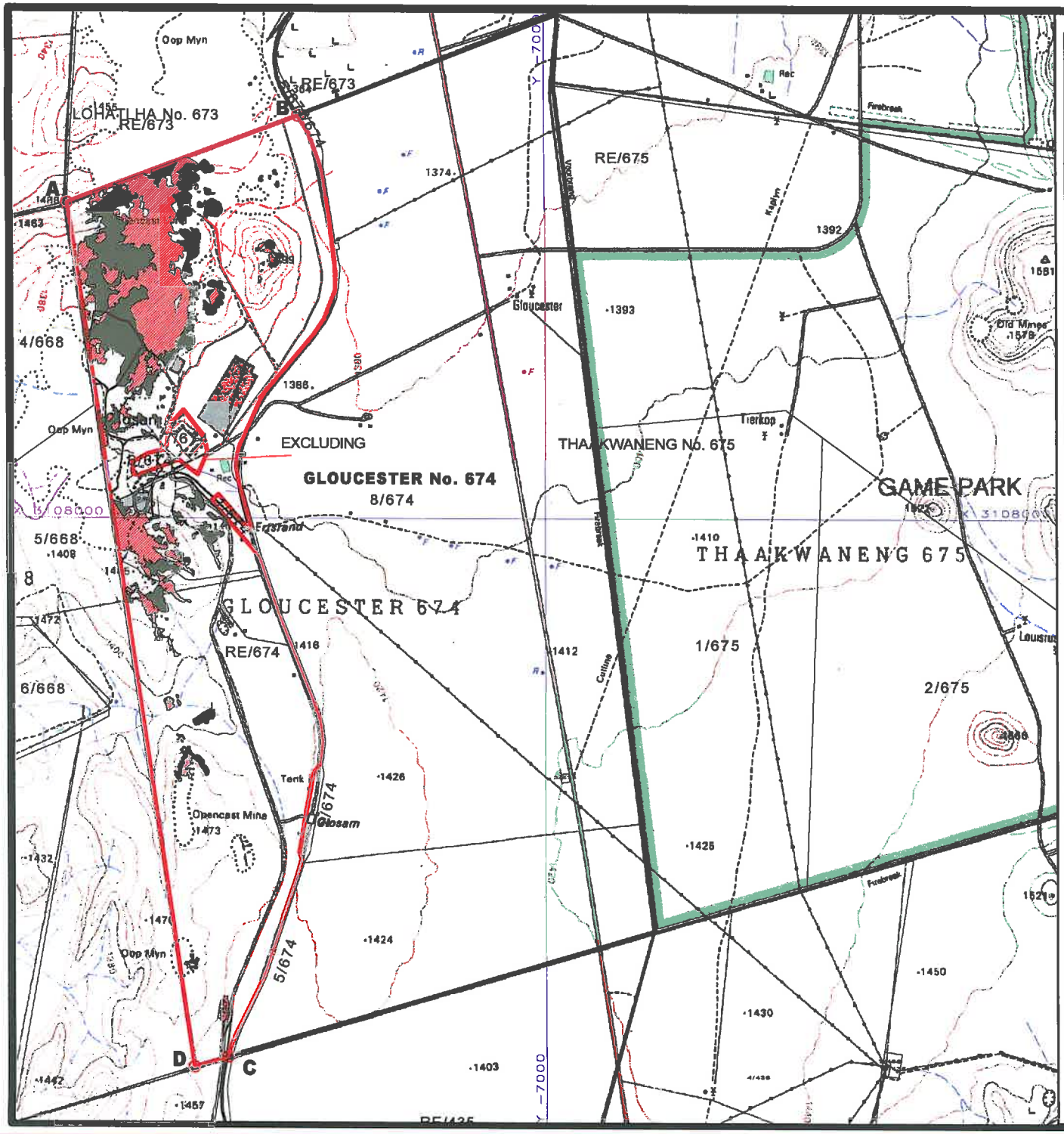
Name of Share Holder:	WEPEX CC (Registration Number: 2003/075185/23)
Address:	WESTWAY OFFICE PARK, 1 THE CRESCENT, 3RD FLOOR NORTH ANNEX, WESTVILLE, 3652
Number of shares:	350 Ordinary Shares
Value of shares:	R 1.00
Distinctive No:	FROM 651 TO 1000

Signed at: Kimberley

Date: 10th May 2016

Director: _____

Note : No transfer of any of the Share(s) comprised in this Certificate will be registered unless accompanied by this Certificate.



WEPEX TRADING (PTY) LTD

REG No 2015/230389/07

APPLICATION FOR PROSPECTING RIGHT

PLAN COMPILED IN ACCORDANCE WITH REGULATION 2 (2) OF THE MINERAL & PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002).

SURVEY SYSTEM WGS 23
NATIONAL GRID DEGREE SQUARE
TOPO SHEET No. 2823 AA
SCALE 1: 35 000

0 500 1000
250 750
METERS

LEGEND

FARM BOUNDARIES
PORTION BOUNDARIES
PROSPECTING AREA
ROADS
CONTOURS A.M.S.L
WATER COURSES

THE FIGURE LETTERED A, B, ALONG RAILWAY SERVITUDE, C, D AND CLOSES BACK ON A, REPRESENTS A PROSPECTING AREA APPROXIMATELY 1165.8 HECTARES IN EXTENT IN RESPECT OF PORTION REMAINING EXTENT, EXCLUDING PORTIONS 6 AND 7, FALLING INSIDE THE OUTLINED AREA, OF THE FARM GLOUCESTER No. 674 WHICH IS SITUATED IN THE MAGISTERIAL DISTRICT OF POSTMASBURG NORTHERN CAPE PROVINCE. WEPEX TRADING (PTY) LTD HAS APPLIED FOR A PROSPECTING RIGHT IN TERMS OF SECTION 16 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002), TO PROSPECT FOR MANGANESE, BUT SUBJECT TO REGULATION 17.6 OF THE MINE HEALTH SAFETY ACT, 1996, (ACT 29 OF 1996), EXCLUDING ANY AREA WITHIN 100 METERS OF ANY PUBLIC ROAD, RAILWAY,CEMETRY, RESIDENTIAL AREA OR PUBLIC AREA

S.W. HARMS PROFESSIONAL SURVEYOR CERTIFICATE No: 1765	APPLICANT REPRESENTATIVE WEPEX TRADING (PTY) LTD	REGIONAL MANAGER NORTHERN CAPE REGION
DATE:	DATE:	DATE:

APPLICATION OUTLINED COORDINATES

Point	WGS 23 Y	WGS 23 X	Lat. Deg	Long. Deg
A	-2676.206	3105158.400	28.060606	23.027223
B	-4773.015	3104358.153	28.053379	23.048549
C	-4113.251	3112879.929	28.130278	23.041868
D	-3808.751	3112969.155	28.131084	23.038769
A	-2676.206	3105158.400	28.060606	23.027223

Annexure B

WEPEX TRADING (PTY) LTD
REG NUMBER: 2015/230389/07

RESOLUTION LETTER: DIRECTORS RESOLUTION MADE PURSUANT TO THE COMPANIES ARTICLE OF ASSOCIATION.

MEETING HELD AT THE OFFICES OF: WEPEX TRADING (PTY) LTD, KATHU NOTHERN CAPE ON THE 29th June 2017.

Present: Thabo Ezekiel Mafoko
Gert Olivier
Wynand Meyer

POWER OF ATTORNEY TO THABO EZEKIEL MAFOKO ID: 620201 5813 088.

Resolved:

The company Wepex Trading (Pty) Ltd, registration number: 2015/230389/07 hereby gives, full power of attorney to Thabo Ezekiel Mafoko (ID: 620201 5813 088) to sign all documents and matters related to the application of the prospecting license and notarisation of the prospecting license for the farm Gloucester No. 674 situated in the Magisterial District of Kuruman Province Northern Cape Region at the Department of Mineral Resources.

The quorum has been reached with more than fifty (50) percent of the company Wepex Trading (Pty) Ltd registration number: 2015/230389/07 shareholders present, which resulted to the approval of this resolution.

Signed as a correct record.

Wynand Meyer
(ID: 740528 5052 084)
WEPEX CC.

Gert Olivier
(ID: 601219 5055 081)

Thabo Ezekiel Mafoko
(ID: 620201 5813 088)

Annexure C

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

NAME OF APPLICANT: WEPEX TRADING (PTY) LTD

(REGISTRATION NUMBER 2015/230389/07)

REFERENCE NUMBER: (NC) 11815 PR

PROSPECTING WORK PROGRAMME

SUBMITTED FOR A PROSPECTING RIGHT APPLICATION WITH BULK SAMPLING

AS REQUIRED IN TERMS OF SECTION 16 READ TOGETHER WITH REGULATION 7(1) OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT (ACT 28 OF 2002)

STANDARD DIRECTIVE

All applicants for mining rights are herewith, in terms of the provisions of Section 16 and in terms of Regulation 7(1) of the Mineral and Petroleum Resources Development Act, directed to submit a Prospecting Work Programme, strictly under the following headings and in the following format together with the application for a prospecting right.

1. REGULATION 7.1.(a): FULL PARTICULARS OF THE APPLICANT

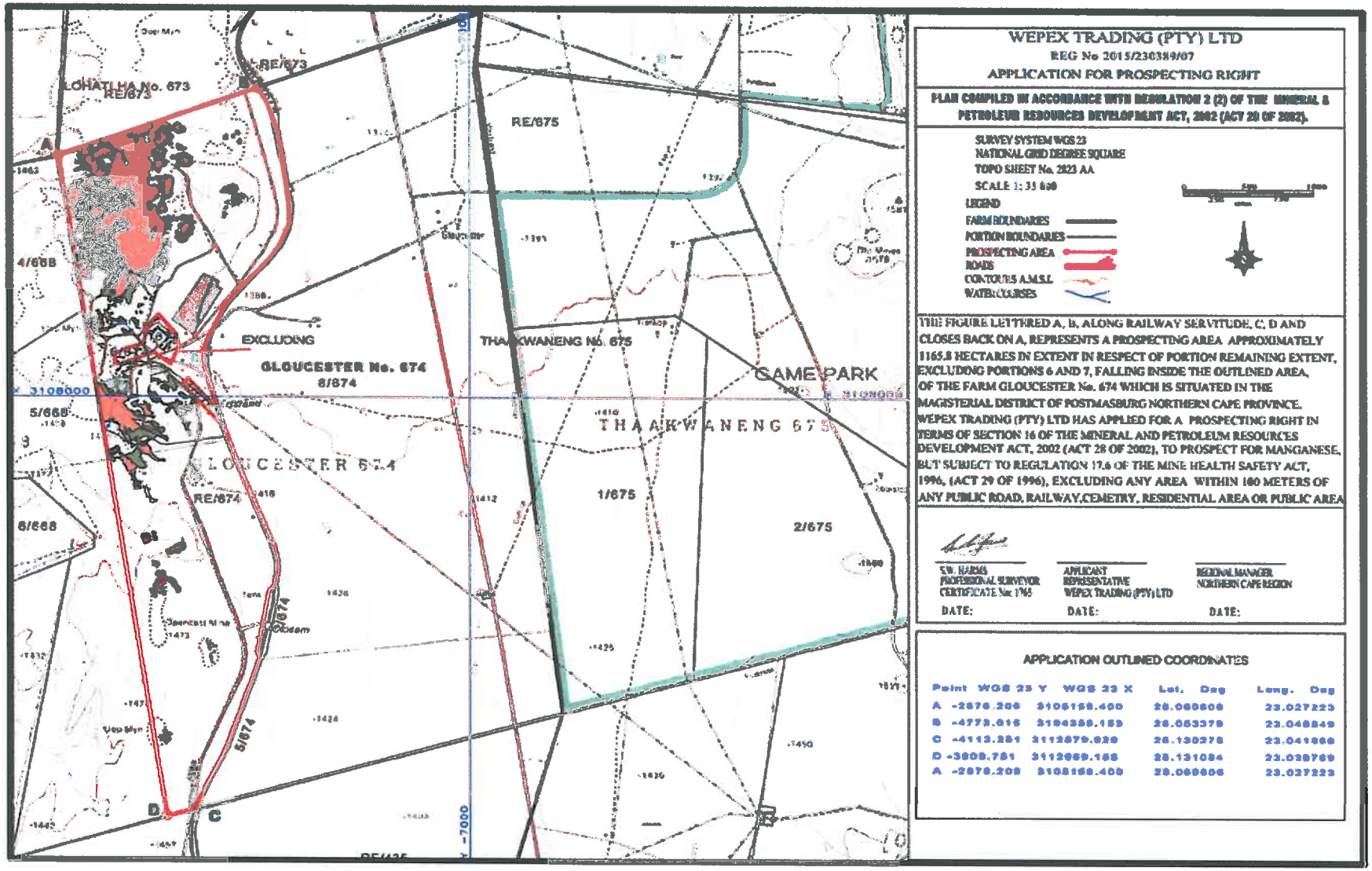
Table 1: Applicant's Contact Details

ITEM	COMPANY CONTACT DETAILS
Name	WEPEX TRADING (PTY) LTD (REGISTRATION NUMBER 2015/230389/07)
Tel no	060 377 3891
Fax no:	086 568 0434
Cellular no	083 266 3769
E-mail address	thabo.mafoko887@yahoo.com
Postal address	Postnet suit 246, Private bag X43, Sunninghill 2157

Table 2: Consultant's Details

ITEM	CONSULTANT CONTACT DETAILS (If applicable)
Name	Wadala Mining and Consulting
Tel no	053 8320029
Fax no:	0865107120
Cellular no	082 870 9973
E-mail address	woosthuizen950@gmail.com
Postal address	PO Box 110823 Hadisonpark 8306

2. REGULATION 7(1)(b): PLAN CONTEMPLATED IN REGULATION 2(2) SHOWING THE LAND TO WHICH THE APPLICATION RELATES



3. REGULATION 7(1)(c): THE REGISTERED DESCRIPTION OF THE LAND TO WHICH THE APPLICATION RELATES

Farm Name and No: Gloucester 674
Subdivision: Remaining Extent
Magisterial District: Kuruman
Province: Northern Cape
Extent: 1 195.750 ha
Title Deed No: T654/1966

4. REGULATION 7(1)(d) and (e): THE MINERAL OR MINERALS TO BE PROSPECTED FOR

Table 4.1: Minerals to be prospected for

ITEM	DETAIL
Type of mineral(s)	Iron (Fe) Manganese (Mn)
Type of minerals continued	Iron and Managanese situated in and on the karstic landscape of the Reivilo Formation of the Cambellrand Subgroup.
Locality (Direction and distance from nearest town)	The farm is situated ± 28 km north of Postmasburg and ± 54.7 km south of Kathu along the R325 provincial road.
Extent of the area required for prospecting	1 195.750 ha
Geological formation	Iron and Manganese situated in and on the karstic landscape of the Reivilo Formation of the Cambellrand Subgroup.

4.2 Description why the Geological formation substantiates the minerals to be prospected for (provide a justification as to why the geological formation supports the possibility that the minerals applied for could be found therein)

The Bishop Glouchester iron-ore and Manganese deposits are symmetrically situated on the Maremane Dome. The dome is defined by carbonate rocks of the Campbellrand Subgroup and the iron formation of the Asbesheuwels Subgroup of the Transvaal Sequence, dipping gently at less than 10 degrees in an arc to the north and south. Only the eastern half of the dome is exposed. To the west, the Transvaal strata is overlain along and angular unconformity by red beds, conglomerate, shale and quartzite of the Gamagara Formation of the Olifanshoek Group. Further to the west, some Koegas iron formation, Makganyene Diamictite and Ongeluk Lava of the Transvaal Sequence are thrust over the Gamagara Formation along a north-south striking, westerly dipping low-angle thrust fault. The Gamagare Formation also strikes north-south and dips to the west. A unit of ferruginous chert breccias (Wolhaarkop Breccia) grading upwards into a distorted iron formation (Manganore Iron Formation) is wedged unconformably between the Famagare Formation and the Campbellrand carbonate sequence along the northern and southern extremities of the Maramane Dome.

The Bishop Gloucester iron-ore and manganese deposits are situated along the contact between the Gamagara Formation and the underlying Manganore Iron Formations in the southern part of the dome. In general two ore types are present, namely laminated hematite ore forming part of the Manganore Iron Formation is more restricted than that of the Wolhaarkop Breccia and is only preserved in pockets above the latter, below the Gamagara unconformity. The basal Doornfontein Conglomerate Member of the Gamagara appears to the best development above the Manganore Iron Formation along the east-central perimeter of the Maramane Dome and pinches out towards the centre of the dome. During the Carboniferous Period the Dwyka glacial event (Karoo Sequence) eroded portions of older sequences. A cover of tertiary soil, bubble and calrete (Kalahari Formation) masks parts of the detail of the geology, with the result that geological modeling is almost exclusively based on exploration boreholes.

The erosion of the southern Bishop Gloucester deposit is fairly high. The result is that the Bishop Gloucester deposit is not uniform and preserved pods of ore are found below the overburden and post-Manganore sediments.

The manganese ore deposit of Glosam is extremely irregular and has been deposited on a karstic landscape of the Reivilo Formation of the Cambellrand Subgroup. Further development of karst caused slumping of the deposit. This landscape might have formed during periods of chemical erosion (Grobbelaar and Beukes, 1986).

The bixbyite ore occur as lenticular and irregular-shaped ore zones along the base of the Sishen Shale within large solution cavities. This iron-rich manganese ore was deposited as a wad trapped in karst hollows near surface together with exogenic detrital material (Gutzmer and Beukes, 1995). The proto-ore changed to crystalline bixbyite through lithification and recrystalization. The coarse crystallanity, open textures and veining of the deposit were caused by further fluid induced remobilization and recrystalization (Gutzmer and Beukes, 1995). This supergene alteration could have taken place during the deposition of the remainder of the Olifantshoek Group, but prior to the deposition of the Karroo Supergroup (Grobbelaar and Beukes. 1986). Younger Cenosoic erosion re-activated the karst surface introducing psilomelane crusts and pyrolusite nodules (De Villiers, 1960)

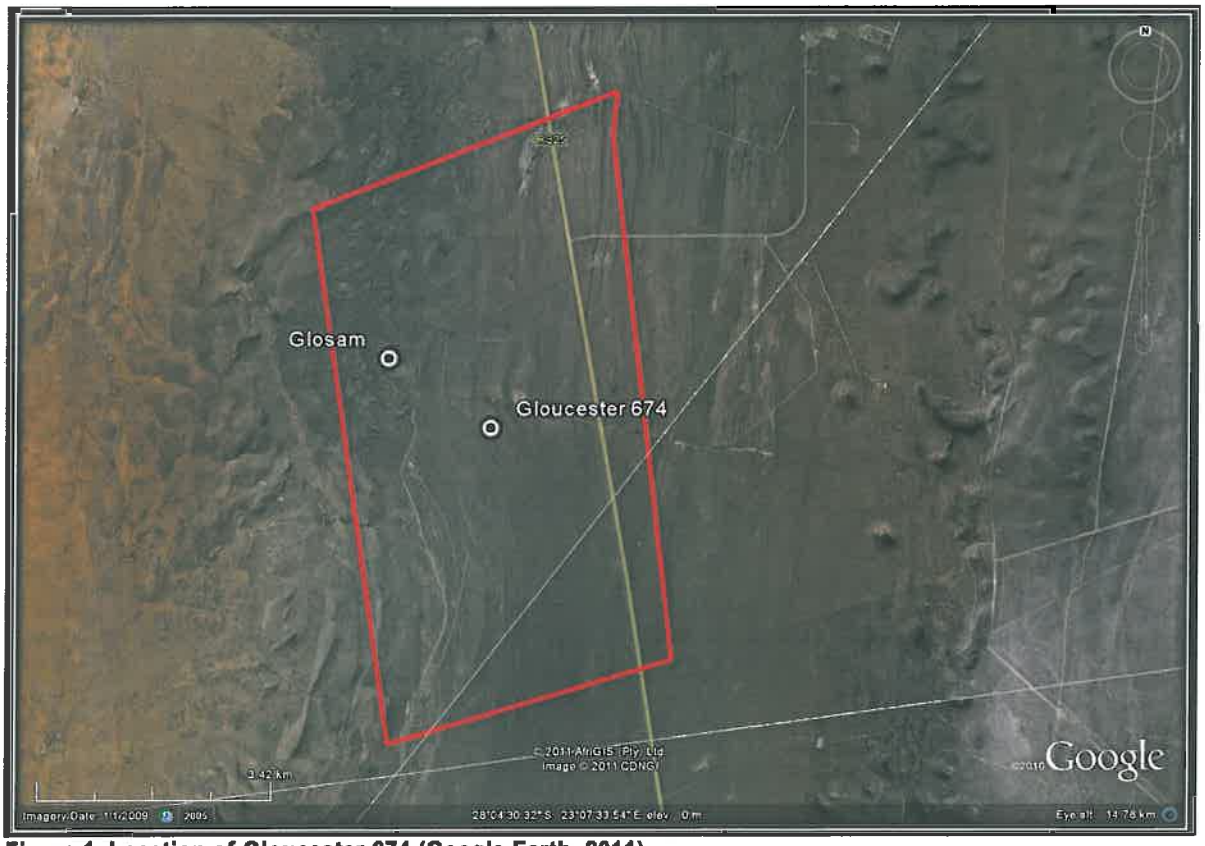


Figure 1. Location of Gloucester 674 (Google Earth, 2011)

In Figure 2 the manganese ore zone as well as the Reivilo and Gamagara Formations are indicated.

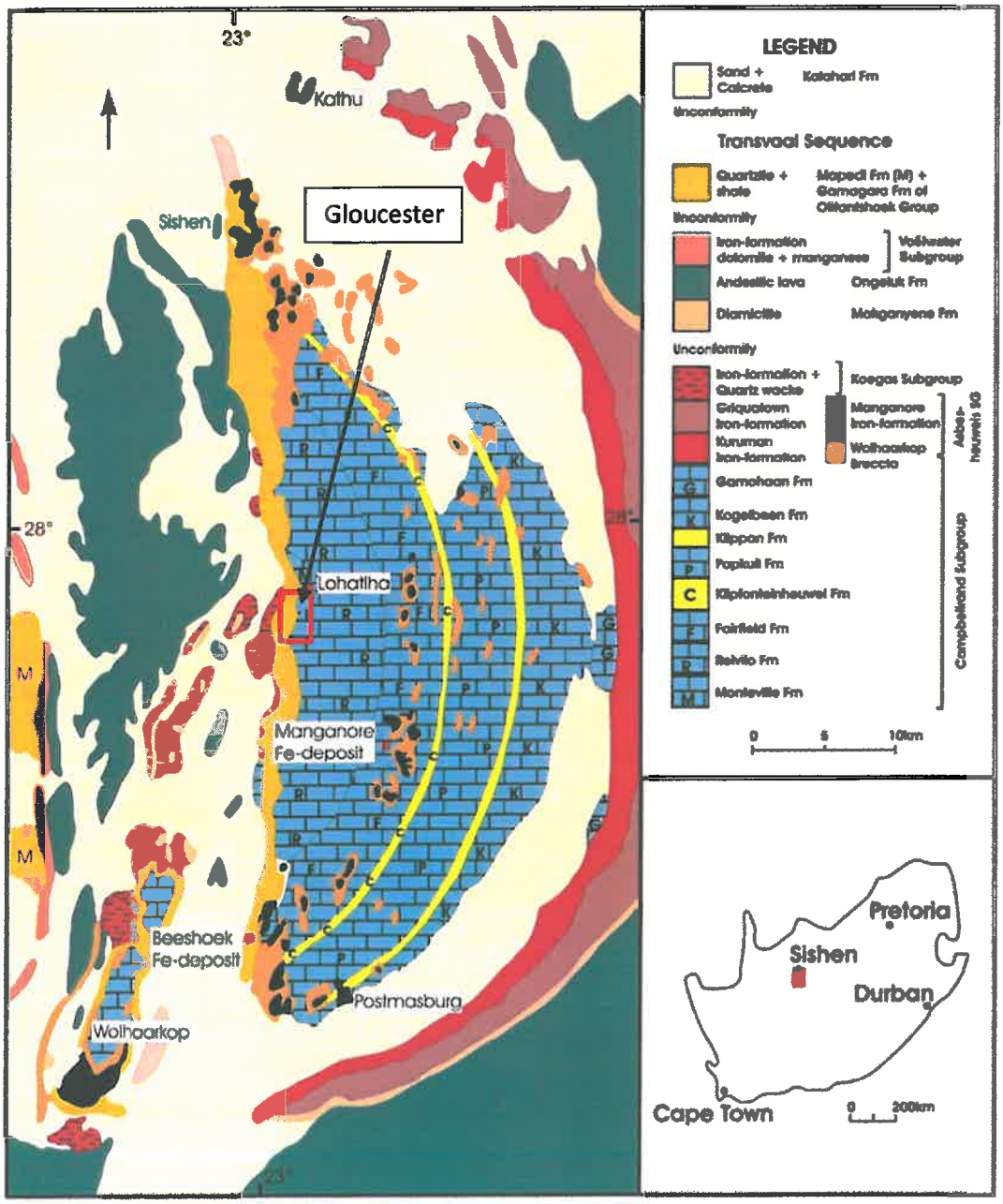
The Gamagara sediments dipping 6" west cover the deposit and where the strip ratio exceeds the economical mining cost, exploitation of the deposit ceased. This deposit might extent westwards (Beukes, 1978), but due to the nature of the deposit no drilling was done to test the continuation. Post-depositional thrusting associated with the Keis Orogeny is visible north-west of Glosam where the Ongeluk Formation is thrusted on the Gamagara Formation.

Younger detrital manganese ore associated with the present day erosional surface accumulates along slopes and exposed karst topography. This is visible as scree and gravel on the floor of the mining operation.

Numerous surface dumps containing manages remains on the property from historical mining activities. These dumps represent a potential important economical resource.

Figure 2. Gloucester 674 local geology (Burger,2011)

4.3 Attach a geological map that justifies the description why there is a possibility that the minerals applied for could occur on the land concerned.



5. REGULATION 7(1)(f): A DESCRIPTION OF HOW THE MINERAL RESOURCE AND MINERAL DISTRIBUTION OF THE PROSPECTING AREA WILL BE DETERMINED

Prospecting activities described in this Prospecting Work Programme ("PWP") are designed to determining the ore resource potential of the proposed application area. The prospecting activities will be a combination of both non-invasive and invasive methods. A suitable level of feasibility study (technical and economic evaluation) will also be undertaken.

AND

REGULATION 7(1)(h): ALL PLANNED PROSPECTING ACTIVITIES MUST BE CONDUCTED IN PHASES AND WITHIN SPECIFIC TIMEFRAMES

The initial prospecting activities will be non-invasive and restricted to a desktop study which included a Geological Surface Mapping, plus Geophysical Surveys and Geochemical Surveys in the first year. Subsequent phases will be of the invasive-type, typically drilling, pitting, or trenching aimed at recovering suitably representative samples to determine grade and quality.

Bulk sample test work will be undertaken to test the grade and quality and ultimately the economic viability of the potential deposit.

A standard phased approach to all prospecting activities will be implemented. Each prospecting activity will be undertaken on a scheduled timeline, with some activities being run concurrently, while others sequentially. Specific milestones will be determined and used as a basis for decisions regarding further activities related to the PWP (TABLE 5.1). The total duration of the prospecting and evaluation activities is planned for four (4) years.

AND

REGULATION 7(1)(i):TECHNICAL DATA DETAILING THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED AND THE TIME REQUIRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION

The table below incorporates the information required in respect of Regulations 7(1)(f), 7(1)(h) and 7(1)(i):

Table 5.1

Phase	Activity (what are the activities that are planned to achieve optimal prospecting)	Skill(s) required (refers to the competent personnel that will be employed to achieve the required results)	Timeframe (in months) for the activity)	Outcome (What is the expected deliverable, e.g. Geological report, analytical results, feasibility study, etc.)	Timeframe for outcome (deadline for the expected outcome to be delivered)	What technical expert will sign off on the outcome? (e.g. geologist, mining engineer, surveyor, economist, etc)
1	Non-invasive Geological Surface Mapping	Geologist, Field Assistants	Month 1 (1)	Geological Report and Map Mapping will be undertaken over a period of 4 weeks and will focus on the location of the surface infrastructure and land use patterns. Structural mapping will also be undertaken in an attempt to unravel the topographic and structural complexities of the project area and determine other relevant stratigraphic marker horizons which may host mineralization at depth. Assmang will be consulted regularly during this process.	Month 1	Geologist
1	Non-invasive Geophysical Surveys	Geologist, Geophysical Contractor	Months 2-3 (2)	Geophysical Report and Map Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order to identify possibly concealed mineralization	Month 6	Geophysicist

1	Non-invasive Geochemical Survey	Geologist, Laboratory staff	Months 4-6 (3)	Geologist and laboratory reports A geochemical sampling programme will be utilised in terms of analysing the in-situ/dump deposits across the area. The purpose of this assaying programme is to determine manganese and iron contents of the various deposits.	Month 6	Geologist and Laboratory manager
2	Invasive Access roads and drill-pad construction	Geologist, Community, Earth Works Contractor	Months 7-8 (2)	Geologist report This phase entails the construction of the 30 drill-pads such that they meet safety requirement standards which entails things such as safety berms, proper wire fencing and lighting as well as security if necessary. And will undergo inspections.	Month 8	Geologist and Manager
2	Invasive Diamond Drilling	Geologist Drilling contractor staff	Months 7-12 (6)	Daily Drill Reports Drilling minimum 30 surface drillholes – 6 months. Diamond drilling will consist of 30 holes of HQ and NQ core size to depths ranging from 50m to 100m below surface, thus producing a total of approximately 2000 meters	Month 12	Geologist
2	Non-invasive Data capture, data validation, Geological Modelling and Initial Resource Estimation report	Geologist	Month 13-15 (3)	Drill logs and Computer Model Drillhole core will be logged and sampled and data will be captured in electronic format into a Geological Borehole Information System (GBIS), validated and exported into the Micromine software for ore-body modelling, evaluation and	Month 15	Geologist

				resource estimation. A SAMREC compliant resource estimation will be undertaken		
2	Invasive Rehabilitation of drill pads	Environmentalist (EAP) Drill contractor staff	Month 16-18 (3)	Report by Environmetalist Rehabilitation of drill-sites will be done immediately as each hole is completed.	Month 18	Environmentalist
3	Invasive Trenching/Dump cuttings	Geologist, Field Assistants, Local Community, Earth Moving Contractor Staff, Laboratory Staff	Months 7 -24 (18)	Report, Plans and Laboratory Results A total of twenty (20) surface trenches/cuts are planned for this phase of prospecting. The trenches will assist in determining the location of the in-situ Mn/Fe deposits and will be sampled to determine the quantity and quality of the mineralisation found. Cuttings will be made into historical dumps to determine their composition. Both the trenches and cuttings are planned to be no more than 50m long, 20m wide and 5m deep. Excavation and stockpiling will be done using earthmoving equipment. Trenches and cuttings will be mapped and sampled. The trenches will be barricaded off until sampling and mapping has been completed, to prevent any injury to humans or animals. The necessary Health and Safety regulations will be strictly adhered to.	Month 24	Geologist, Manager, Laboratory Manager

4	Invasive Bulk Sampling (processing)	Geologist, Manager, Earthmoving Contractor Staff and Laboratory Staff	Months 13-36 (24)	Manager and Geologist reports and Laboratory results Material excavated from the trenches and historical dump cuttings will be selected and processed through a crush-and-screen processing plant. Mineralized material is delivered to the plant area a point within 50m from the front end of the mobile plant. The material is then fed with earthmoving equipment into the mobile plant's vibrating feeder bin which then feeds a crusher. The crusher crushes the ore down to smaller fractions. This material is then fed into the mobile plant's multiple deck screen. The screen separates different size fractions which are then temporarily stockpiled. From the stockpiles the material is loaded onto independent transport contractor tipper trucks which transport the material to the market after being weighed on a weighbridge. Throughout the bulk sampling process, material is sampled and analyzed in order to maintain the correct Mn/Fe grade and also the correct Mn/Fe ratio both of which are crucial economic factors. Any waste created by the	Month 36	Geologist, Manager, Laboratory Manager

				screening and crushing plant is then backfilled into the open excavation. The purpose of the bulk sampling phase is to determine material quality and various metallurgical and economic factors.		
5	Non-invasive Data capture, data validation and Computer Modelling as well as Pre-feasibility Study	Geologist, Resource Modeler	Months 37 - 42 (6)	Geologist and Manager Reports Bulk sampling data and results will be combined with other exploration result to compile a comprehensive results report and pre-feasibility study. Data will be captured in electronic format into a Geological Information System (GIS), validated and exported into the Minex software for ore-body modelling, evaluation and resource estimation.	Month 42	Geologist and Manager
6	Invasive Final Rehabilitation	Geologist, Local Community, Manager, Environmentalist and Earth Moving Contractor Staff	Month 37 – 48 (12)	Rehabilitation of trenching and historical dump cuttings will be done immediately as each excavation is completed. Once bulk sampling is completed the processing site will also be rehabilitated. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the bulk sampling phase. **Rehabilitated sites will be** monitored to ensure vegetation growth re-occurs	Month 48	Geologist, Manager and Environmentalist

6. REGULATION 7(1)(g): A DESCRIPTION OF THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED

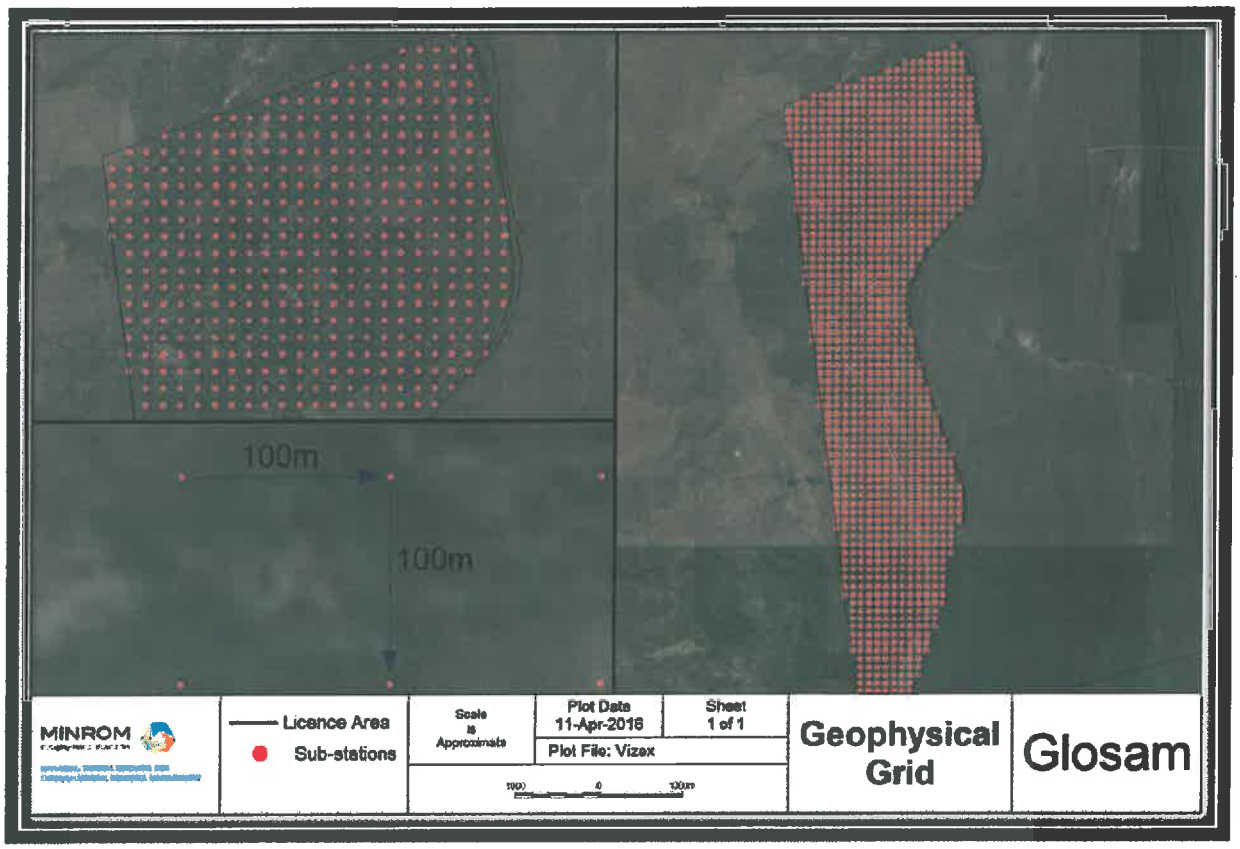
(i) DESCRIPTION OF PLANNED NON-INVASIVE ACTIVITIES:

(These activities do not disturb the land where prospecting will take place e.g. aerial photography, desktop studies, aeromagnetic surveys, etc)

Phase 1

Geological Surface Mapping

Geological mapping will be focused on evaluating the potential of the manganese and potential iron deposits within the prospecting area. This will be conducted through surface geological mapping, structural mapping and subsurface interpretations of the structural trends to identify potential open-castable mineral resources. Mapping will be undertaken over a period of 4 weeks and will focus on the location of the surface infrastructure and land use patterns. Structural mapping will also be undertaken in an attempt to unravel the topographic and structural complexities of the project area and determine other relevant stratigraphic marker horizons which may host mineralization at depth. Assmang will be consulted regularly during this process.



Geophysical surveys

Ground magnetics and ground gravity geophysical programmes will be executed on the prospecting area in order to identify possibly concealed mineralization. Ground magnetics and ground gravity geophysical programmes will be conducted on a 100mX100m pre-determined grid to determine the location of the mineralized unit(s). From the primary geophysics, infill substations (50mX50m grid spacing) will be conducted on geophysical anomalies.

Geochemical surveys

A geochemical survey/sampling programme will be utilised in terms of analysing the in-situ/dump deposits across the area. The purpose of this assaying programme is to determine manganese and iron contents of the various deposits.

(ii) DESCRIPTION OF PLANNED INVASIVE ACTIVITIES:
(These activities result in land disturbances e.g. sampling, drilling, bulk sampling, etc)

Phase 2

Road construction and drill pads

This phase entails the grading of an estimated distance of 5 kilometres of new tracks and the construction of the thirty (30) drill-pads. The farm already has an existing road network which will be used as far as possible. The 30 drill-pads will be so constructed that they meet safety requirement standards which entails things such as safety berms, proper wire fencing and lighting as well as security if necessary. Inspections will be undertaken.

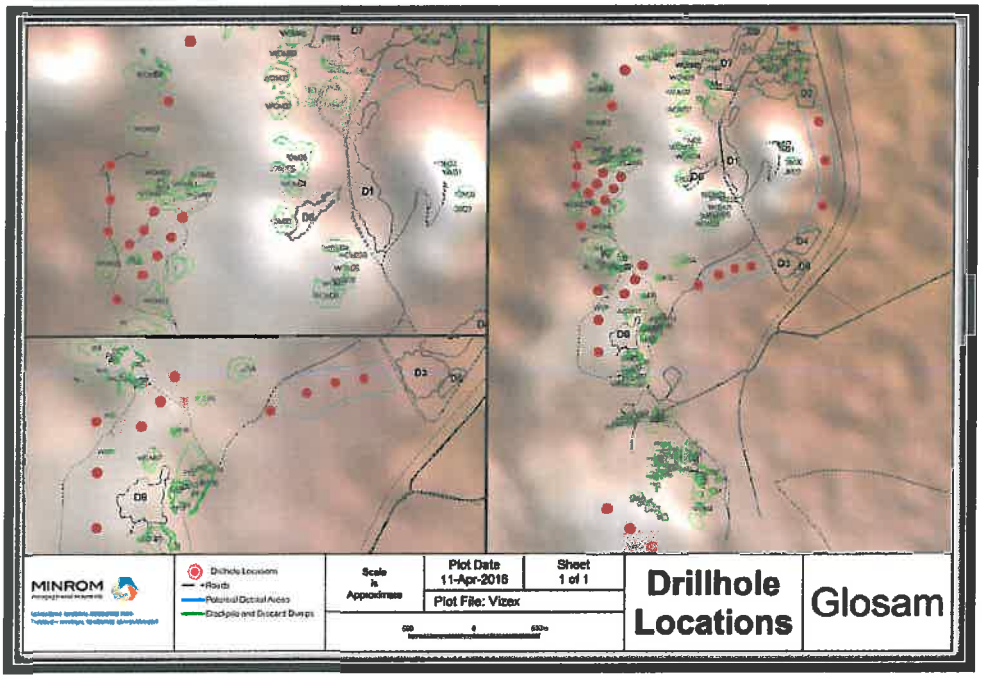
Diamond Drilling

Diamond drilling will consist of 30 holes of HQ and NQ core size to depths ranging from 50m to 100m below surface, thus producing a total of approximately 2000 meters

The drillhole locations were selected based on a combination of all the data collected and geological interpretations developed throughout the previous phases. The programme consists of 50m holes assigned to delineate the shallow pockets of manganese ore and 100m holes in order to obtain deeper duplicate material.

The planned drillhole location co-ordinates are listed in the table below:

Hole ID	EAST	NORTH	Elevation	Depth (m)
GLDD01	700596,3	6893055	1402,114	100
GLDD02	700718,3	6893100	1399,823	50
GLDD03	700843,3	6893117	1396,853	50
GLDD04	701352,3	6894210	1384,34	50
GLDD05	701402,9	6893913	1388,652	50
GLDD06	701385,1	6893573	1380,41	50
GLDD07	701156,7	6894928	1369,16	50
GLDD08	700440,8	6892977	1405,475	50
GLDD09	700029,2	6893126	1437,038	50
GLDD10	699970,3	6893020	1438,933	100
GLDD11	699889,6	6892913	1444,832	50
GLDD12	699805,1	6893707	1439,134	100
GLDD13	699680,1	6893742	1426,104	100
GLDD14	699530,2	6893881	1400,609	100
GLDD15	699858,2	6893797	1439,09	50
GLDD16	699743	6893622	1434,091	50
GLDD17	699616,8	6893677	1419,929	50
GLDD18	699728,3	6893827	1426,751	50
GLDD19	699532,2	6894039	1390,784	50
GLDD20	699518,8	6893734	1408,01	50
GLDD21	699564,8	6893424	1408,55	50
GLDD22	699676,7	6893537	1425,901	100
GLDD23	699696,6	6892935	1418,492	100
GLDD24	699887,7	6894605	1443,593	50
GLDD25	699788,9	6894331	1427,275	100
GLDD26	699700,2	6892714	1443,469	50
GLDD27	699701,5	6892471	1444,416	100
GLDD28	699778,3	6891292	1453,044	50
GLDD29	699944,4	6891139	1464,635	100
GLDD30	700115	6891005	1441,731	50



The drilling programme is envisaged within the following timeframe:
- Health and safety, environment and community – 1 month
- HSEC risk assessment – 3 days and engage contractor – 3 weeks
- Safety induction of contractor – 3 days
- Site establishment / intersite move – 1 day per site
- Commencement of drilling and 6 months to complete
- Rehabilitation will be carried concurrently as drilling progresses.
- Logging of core, capturing and validating into database – concurrently with drilling on an ongoing basis.
- Chemical analyses – concurrently with drilling.

Rehabilitation of drill pads

Rehabilitation of drill-sites will be done immediately as each hole is completed

Phase 3

Trenching/Cuttings

A total of twenty (20) surface trenches/cuts are planned for this phase of prospecting. The trenches will assist in determining the location of the in-situ manganese/iron deposits and will be sampled to determine the quantity and quality of the mineralisation found.

Cuttings will be made into historical dumps to determine their composition.

Both the trenches and cuttings are planned to be no more than 50m long, 20m wide and 5m deep. Excavation, hauling and stockpiling will be done using earthmoving equipment.

Trenches and cuttings will be mapped as well as sampled.

Phase 4

Bulk sampling (processing)

Material excavated from the trenches and historical dump cuttings will be selected and processed through a crush-and-screen processing plant.

Mineralized material is delivered to the plant area a point within 50m from the front end of the mobile plant. The material is then fed with earthmoving equipment into the mobile plant's vibrating feeder bin which then feeds a crusher. The crusher crushes the ore down to smaller fractions. This material is then fed into the mobile plant's multiple deck screen. The screen separates different size fractions which are then temporarily stockpiled. From the stockpiles the material is loaded onto independent transport contractor tipper trucks which transport the material to the market after being weighed on a weighbridge.

Throughout the bulk sampling process, material is sampled and analyzed in order to maintain the correct Mn/Fe grade and also the correct Mn/Fe ratio both of which are crucial economic factors.

Any waste created by the screening and crushing plant is then backfilled into the open excavation. The purpose of the bulk sampling phase is to determine material quality and various metallurgical and economic factors.

Phase 6

Final Rehabilitation

Rehabilitation of trenching and historical dump cuttings will be done immediately as each excavation is completed. Once bulk sampling is completed the processing site will also be rehabilitated. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the bulk sampling phase. Rehabilitated sites will be monitored to ensure vegetation growth re-occurs.

Commitment to provide addendums in respect of additional prospecting activities

I herewith commit to provide the Department of Mineral Resources with an addendum in respect of both the EM Plan and Prospecting Work Programme regarding any future in-fill prospecting required but not described above, prior to undertaking such activities. The addendum will cover all the Regulations as per the Prospecting Work Programme.

I agree that the addendums will provide for similar activities only and if the scope changes I would be required to apply in terms of Section 102 of the MPRDA for an amendment of the Prospecting Work Programme

Mark with X

ACCEPT	X

(iii) **DESCRIPTION OF PRE-/FEASIBILITY STUDIES**
(Activities in this section includes but are not limited to: initial, geological modeling, resource determination, possible future funding models, etc)

Phase 2

Data capture, data validation, Geological Modelling and Initial Resource Estimation report

Drill logs and Computer Model Drillhole core will be logged and sampled and data will be captured in electronic format into a Geological Borehole Information System (GBIS), validated and exported into the Micromine software for ore-body modelling, evaluation and resource estimation. A SAMREC compliant resource estimation will be undertaken

Phase 5

Data capture, data validation and Computer Modelling as well as Pre-feasibility Study

Bulk sampling data and results will be combined with other exploration result to compile a comprehensive results report and pre-feasibility study. Data will be captured in electronic format into a Geological Information System (GIS), validated and exported into the Minex software for ore-body modelling, evaluation and resource estimation. Pre-feasibility studies provide for a preliminary economic assessment of the resource and determine whether additional evaluation of the current identified deposit and its characteristics is warranted to increase confidence in the resource estimation.

(iv) DESCRIPTION OF BULK SAMPLING ACTIVITIES

This activity requires that an application IN TERMS OF Section 20 of the Act is specifically included in your application for a prospecting Right and cannot be proceeded with if such permission is not specifically granted.

(Bulk sampling is a sampling technique ONLY- it cannot be used to conduct mining operations. The following table must be completed for Bulk Sampling)

Table 6.1: Bulk Sampling Activities

ACTIVITY		DETAILS
Number of pits/trenches planned		20 Trenches and Cuttings
Dimensions of pits/trenches, per pit/trench	Number of pits/trenches	Length Breadth Depth
	20	50 x 20 x 5
Locality		Within the borders of the PR application area. The exact locality of the trenches depends on drilling results as well as the results of the geochemical sampling programme.
Volume Overburden (Waste)		An average stripping ratio of 1:4 of anticipated. ~20 000m³
Volume Ore		~80 000m³
Density Overburden		~2.0
Density Ore		~3.4
Phase(s) when bulk sampling will be required		Phases 3 (excavating) and 4 (processing)
Timeframe(s)		Months 7-24 (excavating) and Months 13-36 (processing)

NOTE: Detailed description of the required costs MUST be indicated in the cost estimate as per Regulation 7(1) (k)

Commitment to provide for an addendum in respect of additional bulk sampling activities

I herewith commit to provide the Department of Mineral Resources with an addendum to the Prospecting Work Programme, and an Environmental Management programme for approval prior to undertaking any future bulk sampling activities not described above.

Mark with X

Accept	X

7. REGULATION 7(1)(j)(i): DETAILS WITH DOCUMENTARY PROOF OF THE APPLICANT'S TECHNICAL ABILITY OR ACCESS THERETO TO CONDUCT THE PROPOSED PROSPECTING OPERATION

7.1 Competencies to be employed in terms of the Mine Health and Safety Act

COMPETENCIES TO BE EMPLOYED (List the legal appointments that will be made in terms of the Mine Health and Safety Act, appropriate for the type of operation)
Project Manager
Surveyor
Occupational Hygienist
Safety Officer

I herewith confirm that I, in Table 9.1 have budgeted and financially provided for the required skills listed above.

CONFIRMED (Mark with an X)	X

7.2 List of Appropriate equipment at your disposal (If Applicable)

Table D: Appropriate Equipment Available

Earthmoving Equipment to be supplied by contractors
Drilling equipment to be supplied by drilling contractors
Processing equipment to be supplied by contractors

7.3 Technical skills provided Free of Charge

7.3.1 Information (CV's) in respect of skills already acquired (append)

7.3.2 Copy of the relevant contractual agreements between the service provider and the applicant relative to the duration of the planned prospecting period, where applicable.(append)

7.3.3 ALL other evidence of Technical Ability (append)

All contractual agreements will be negotiated and signed as soon as the relevant right is issued.

CV's of all Wepex directors is attached as well as the company profile of Wepex Trading and Wepex CC which will provide the technical and financial competence for this application. The cv of Hano Hamman is also hereto attached. Hano is a qualified geologist with 20 years of experience in exploration and mining. He is registered with SACNASP.

8. **REGULATION 7(1)(j)(ii):DETAILS WITH DOCUMENTARY PROOF OF A BUDGET AND DOCUMENTARY PROOF OF THE APPLICANT'S FINANCIAL ABILITY OR ACCESS THERETO**

AND

9. **REGULATION 7(1)(k) A COST ESTIMATE OF THE EXPENDITURE TO BE INCURRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION (remember to also include prospecting fees)**

Table 9.1

ACTIVITY	YEAR 1 Expenditure (R')	YEAR 2 Expenditure (R')	YEAR 3 Expenditure (R')	YEAR 4 Expenditure (R')	YEAR 5 Expenditure (R')
PHASE 1 (Months 1-6) Non-Invasive prospecting *Geological Surface Mapping* Geologist to be contracted *Geophysical Survey* Geophysicist to be contracted *Geochemical Survey* Geologist to be contracted and independent laboratory to be used 6 months	40 000,00 450 000,00 580 000,00				
PHASE 2 (Months 7-18) Invasive prospecting *Access road and drill pad construction* Geologist to be contracted; Manager; Earth Moving Contractor *Diamond Drilling* Contract Geologist and Diamond Drilling Contractor 2000m @ R1500/m Non-Invasive Prospecting *Data Capture, Validation, Geoilogical Modelling; Resource Estimation* Contract Geologist Invasive Prospecting *Rehabilitation of drill pads* Contract Environmentalist 12 months	380 000,00 3 000 000,00	300 000,00 140 000,00			
PHASE 3 (Months 7-24) Invasive prospecting *Trenching/Dump Cuttings* 20 trenches+cuttings of 50m x 20m x 5m deep 100 000m^3 @ R75/m^3 Contract Geologist, Earth Moving Contractor; Independent Laboratory 18 months	1 500 000,00	6 000 000,00			
PHASE 4 (Months 13 - 36) Invasive prospecting Bulk Sampling 80 000m^3 @ R100/m^3 Earth Moving Contractor, Contract Geologist and Independent Laboratory 24 months		4 000 000,00	4 000 000,00		
PHASE 5 (Month 37-42) Non-invasive prospecting *Data Capture, Validation, Geoilogical Modelling; Resource Estimation* Contract Geologist and Project Manager 6 months				450 000,00	
PHASE 6 (Months 37-48) Invasive prospecting *Final Rehabilitation* 20 Trenches, Plant area & 5km access roads Earth Moving Contractor, Contracting Geologist, Contract Environmentalist 12 months				1 633 000,00	
PROSPECTING FEES	1 195,75	1 793,63	2 391,50	2 989,38	
Annual Total	**5 951 195,75**	**10 441 793,63**	**4 002 391,50**	**2 085 989,38**	**0,00**
				Total Budget	**22 481 370,26**

NOTE! If any person (including the applicant) provides services in any job or skills category at a reduced rate or free of charge, then such person's Curriculum Vitae (CV) must be attached as documentary proof of the technical ability available to the applicant.

10. FINANCIAL ABILITY TO GIVE EFFECT TO THE WORK PROGRAMME

10.1 The amount required to finance the Work Programme.

(State the amount required to complete the work)

R 22 481 370.26 (Twenty two million four hundred and eighty one thousand, three hundred and seventy Rand and twenty-six cents). There are costs involved that is unknown at present as it depends on the outcome from the previous phase/s.

10.2 Detail regarding the financing arrangements

(Elaborate on the financing arrangements, in terms of where the finance will be sourced, extent to which the financing has been finalized and on the level of certainty that such financing can be secured.)

The applicant will secure the funds through Igloo and Wepex of which financial statements are attached and also letters of intent to finance the exploration activities.

10.3 Confirmation of supporting evidence appended

(Attach evidence of available funding and or financing arrangements such as balance sheets, agreements with financial institutions, underwriting agreements, etc. and **specifically confirm** in this regard what documentation has been attached as appendices).

All documentation from Igloo and Wepex of which financial statements are attached and also letters of intent to finance the exploration activities.

11. Confirmation of the availability of funds to implement the proposed project.

I, Thabo Mafoko, the undersigned and duly authorized by WEPEX Trading, confirm the availability of the funds and to the implementation of the available funds to the proposed project.

12. I herewith confirm that I have budgeted and financially provided for the total budget as identified in Regulation 7(1)(k).

Confirmed (Mark with an X)	X

13. REGULATION 7(1) (m): UNDERTAKING, SIGNED BY THE APPLICANT, TO ADHERE TO THE PROPOSALS AS SET OUT IN THE PROSPECTING WORK PROGRAMME

Table: 13.1

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted with the application, and undertake to implement this prospecting work programme and adhere to the proposals set out herein.	
Full Names and Surname	THABO EZEKIEL MAFOKO
Identity Number	ID 6202015813088

-END-

CURRICULUM VITAE HANO HAMMAN

PO BOX 10186, BEACONSFIELD, KIMBERLEY , 8315,SOUTH AFRICA
MOBILE +27-(0)82-4189929
E-mail hano@nayan.co.za

EDUCATION (UNIVERSITY OF STELLENBOSCH)

02/02/93 – 10/11/96 — M.Sc. (Study suspended due to time constraints)
- Mineralogy and geochemistry of the Hondekloof Ni deposit
- Comparison drawn with Voisey's Bay-type nickel deposits

10/02/92 - 27/11/92 — B.Sc. Honours (Cum Laude) in Economic Sedimentology
- Subjects included Ore Microscopy, Mineral Economics, Basin Analyses, Geophysics, Sedimentary Processes, Metamorphic Geology, Facies Analyses, Petroleum Geology, Witwatersrand Gold, Cu-Pd-Zn Deposits andFe-Mn Deposits

07/02/89 - 03/12/91 — B.Sc.
- Geology and Geochemistry as major subjects
- Other subjects included Mathematics, Physics and Chemistry

EMPLOYMENT HISTORY

01/09/07-current — Geological Consultant working in RSA, Zimbabwe, Zambia, Guinea, Tanzania and Lesotho
- Clients include the following: Canadile Miners (Marange Zimbabwe), Paramount Mining (Australia), Ringside Tranding (Aucampsrus), National Manganese (Marokwa), Rahida (Pensfontein), Adistra (Lomoteng), Alliance Mining (Marokwa), Chris Potgieter – Sonop Delwerye; Gemrock Resources, GCS Consultants, Purity Manganese (Namibia), Bluechip Mining & Drilling, MSA Consultants and numerous private companies.

Projects include the investigation of alluvial and kimberlite diamonds, MVT lead-zinc deposits, iron, manganese, uranium, vanadium and limestone deposits, VMS-hosted gold-copper-zinc, magmatic nickel and platinum group minerals, Gemstones and alluvial gold and Epithermal gold

Manganese and Iron Exploration Activities Include:
- Target generation
- Exploration permit administration
- Governmental liaising
- Surface owner negotiation
- Exploration planning
- Geological mapping and surface sampling
- Contractor (driller, surveyor, earthmoving, etc.) negotiation
- Drill supervision
- Logging
- Resource evaluation
- Report writing
- Environmental Studies (EIA/EMP); Mining Right Applications

04/09/06 – 31/08/07 Group Geologist Diamondcore Resources

- All mine and resource evaluation (alluvial & kimberlite)
- Planning and scheduling of bulk sampling operations
- Resource statements and reporting
- Feasibility studies
- Generation of new business opportunities
- Mineral rights administration

17/03/03 – 31/08/06 Head of Geology Department for Supermix Mining, a Subsidiary of Dwyka Diamonds

- Managing of all exploration projects (kimberlite & alluvial)
- Discovery of the diamondiferous Bosele volcanoclastic body
- Carrying out of all geological duties including mapping, drilling planning and supervision and carrying out of geophysical and geochemical surveys
- Evaluating of numerous diamond projects including part of detailed due diligence studies
- Planning and monitoring of underground kimberlite mines
- Reporting on all results, including production

17/03/03 – 17/08/03 Senior Exploration Geologist (Department Head) for Associacao Fucauma (Trans Hex & Endiama)

- Managing geological investigation of alluvial deposits in the Fucauma area, Lunda Norte Province, Angola
- Strong emphasis on understanding the regional diamond geology

01/02/98 – 16/03/03 and 18/08/03 – 27/02/05 Geological Consultant

- Clients include the following: Sonora Diamonds (Canada), Thabex, Klipdam Mining Company, Dwyka Diamonds (UK & Australia), Robert Cooke Mineral Consultants, Chris Potgieter – Sonop Delwerye; Crown Diamonds (Australia), County Diamonds (Australia), Kings Minerals (Australia), Diamond Core Resources, NDC, Munroe Diamonds (UK) and numerous private digging operators
- Projects include the investigation of alluvial and kimberlite diamond deposits, magmatic nickel-copper deposits, Bushveld chrome and platinum group metal deposits
- Responsibilities includes the following:
  Managing of exploration programmes from target generation and drilling, to bulk sampling and mining;
  Implementation and supervision of various exploration techniques such as mapping, sampling, trenching, geophysical surveying and drilling;
  Recruitment of staff and appointment of contractors such as drillers, surveyors, geologists and environmentalists;
  Data processing and interpretation, including ore resource/ reserve calculations, and report compilation;
  Acting as mediator during mineral right and surface right

negotiations, between mining companies and landowners; Prospecting and mining permit applications, and liasing with the Department of Minerals and Energy on all related issues; Informing corporate management, foreign investors and financial reporters on a regular basis

31/01/96 - 31/01/98 Mine Geologist with Anglo American Platinum Corporation, Bushveld Complex, South Africa

- Worked at deep shafts, opencast and declines
- Duties included the following: geological mapping, planning and supervision of surface and underground drilling programmes, borehole logging, mine planning, sampling, grade control, computerisation of sampling data, recommendations to production department, presentations and sampling and siting of water boreholes as part of environmental management programme

10/08/92 - 24/09/92 Honours Project - Field assistant and Researcher for a Consortium of International Petroleum Companies

- study of the architecture and heterogeneity of submarine fan deposits
- thesis was part of the final report to a consortium
- Shell Petroleum Company used data from thesis to build 3-dimentional model to illustrate fluid flow in a submarine fan environment
- Study leader was world-renowned Prof. Arnold Bouma

MEMBERSHIPS AND CERTIFICATES

- **South African Council for Natural Scientific Professions (Reg. No. 400028/99)**
- Recognised as a competent person in terms of SAMREC (>5yr experience in diamonds)
- Member of the Society of Economic Geologists (Reg. No. 899712)

ARTICLE AND PRESENTATIONS

South African Journal of Geology	Gabbro-norite-hosted Ni-Cu-(Co) sulphide mineralization and its relationship to the cupriferous Koperberg Suite of the Okiep Copper District, South Africa
PDAC Convention in Toronto	Geology and genesis of the Hondekloof Ni-Cu-Co deposit from Namaqualand, South Africa: Exploration implications for Voisey's Bay-Type deposits

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

APPLICATION FOR THE PERMISSION OF THE MINISTER IN TERMS OF SECTION 20

OF

THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002,
(ACT NO. 28 OF 2002) (THE ACT)

TO REMOVE AND DISPOSE OF MINERALS DURING THE COURSE OF PROSPECTING OPERATIONS

STANDARD DIRECTIVE

All applicants for and holders of prospecting rights intending to remove and dispose for their own account of bulk samples of minerals found in the course of prospecting operations conducted pursuant to a prospecting right must apply for the written permission of the Minister to do so and are herewith, in terms of the provisions of section 29 of the Act, directed to provide the following information in the format required herein.

The Regional Manager/ General Manager,

REGION/ DESIGNATED AGENCY	NORTHERN CAPE
REFERENCE NUMBER OF PROSPECTING RIGHT	(NC) 11815 PR
NAME OF APPLICANT	WEPEX TRADING (PTY) LTD (REGISTRATION NUMBER 2015/230389/07)

1 Extent of Bulk Sampling to be undertaken:

State the mineral to be removed	**Mn, Fe**
Manganese Ore (Code - Mn; Type Code - B)	
Iron Ore (Code - Fe; Type Code - B)	
State the total volume of the mineral to be removed in m^3	80 000
~40 000m^3 of material will be excavated.	
State the volume of total excavations to be made including overburden in m^3	100 000
~100 000m^3 **A stripping ratio of 1:4 is anticipated.**	

2 Documents to be uploaded

2.1 Motivation for the application

(Provide a detailed and technically justified reason for the bulk sampling in the space provided below, including the volumes of the mineral to be tested, why they will be tested, where they will be tested, and to whom they will be disposed of.)

2.1.1 Volume of mineral to be tested:

~100 000 m^3 of which ~80 000 m^3 will be processed

2.1.2 Why the mineral will be tested:

The mineral will be tested to determine the following:

- Mineral content and grade of the ore body
- Consistency of the grade
- Chemical composition of the ore body
- Establish value and marketability of bulk sample products

2.1.3 Where the mineral will be tested:

Excavation and processing will take place within the limits of the prospecting area. All samples (individually smaller 5kg) will be analysed at a South African laboratory, which laboratory will be identified and contracted upon commencement of phase 2 of the prospecting operation.

A total of twenty (20) surface trenches/cuts are planned. The trenches will assist in determining the location of the in-situ manganese/iron deposits and will be sampled to determine the quantity and quality of the mineralisation found.

Cuttings will be made into historical dumps to determine their composition.

Both the trenches and cuttings are planned to be no more than 50m long, 20m wide and 5m deep. Excavation, hauling and stockpiling will be done using earthmoving equipment.

Trenches and cuttings will be mapped as well as sampled.

Material excavated from the trenches and historical dump cuttings will be selected and processed through a crush-and-screen processing plant.

Mineralized material will be delivered to the plant area a point within 50m from the front end of the mobile plant. The material is then fed with earthmoving equipment into the mobile plant's vibrating feeder bin which then feeds a crusher. The crusher crushes the ore down to smaller fractions. This material is then fed into the mobile plant's multiple deck screen. The screen separates different size fractions which are then temporarily stockpiled. From the stockpiles the material is loaded onto independent transport contractor tipper trucks which transport the material to the market after being weighed on a weighbridge.

Throughout the bulk sampling process, material is sampled and analysed in order to maintain the correct Mn/Fe grade and also the correct Mn/Fe ratio both of which are crucial economic factors.

Any waste created by the screening and crushing plant is then backfilled into the open excavation. The purpose of the bulk sampling phase is to determine material quality and various metallurgical and economic factors.

Rehabilitation of trenching and historical dump cuttings will be done immediately as each excavation is completed. Once bulk sampling is completed the processing site will also be rehabilitated. Access road rehabilitation is carried out when all prospecting phases are completed at the end of the bulk sampling phase. Rehabilitated sites will be monitored to ensure vegetation growth re-occurs.

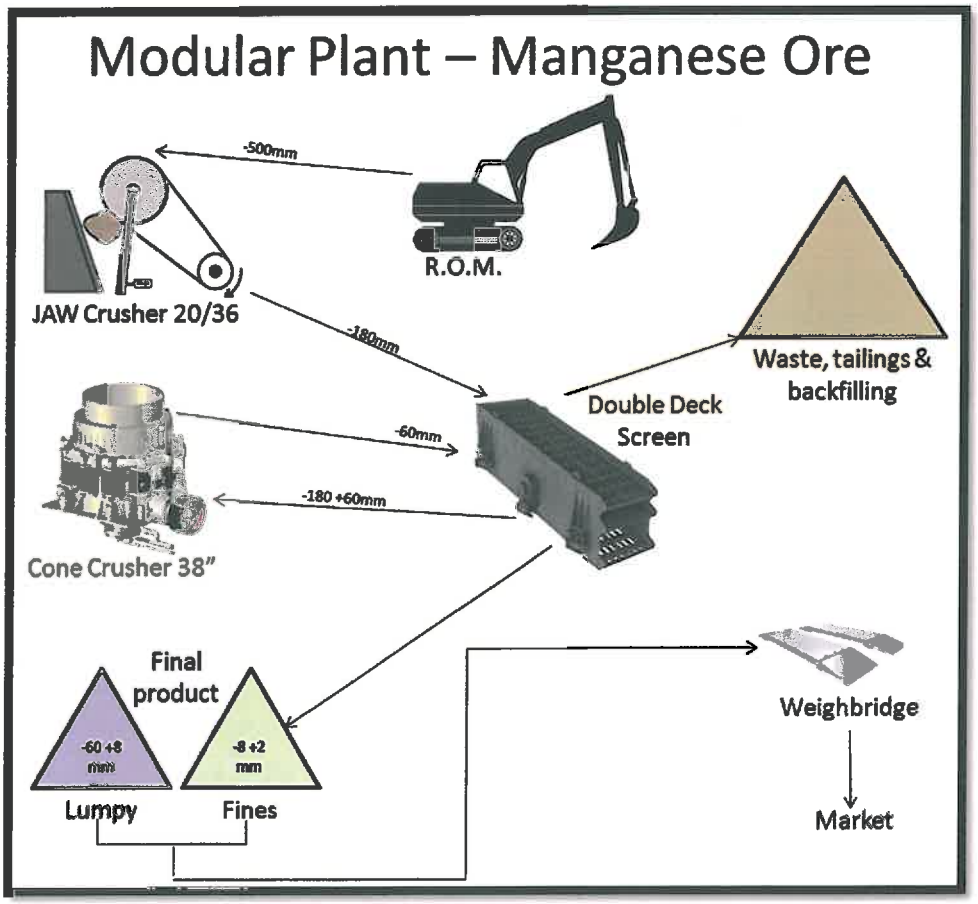


Figure 2 - Schematic representation of the planned processing flow.

2.1.4 To whom will the mineral be disposed of:
Bulk samples will be sold locally in the South African market.

2.2 Undertaking to make bulk sampling results available.

(Provide (a) a detailed and technically appropriate description of any technical or customer reports, and/or mineral quality, mineral suitability, grades per ton or per 100 tons, as the case may be, that will result from the bulk sample(s), (b) the contribution such results will make towards the determination of a resource, and (c) an undertaking to make such results available in terms of regulation 8)

(a) a detailed and technically appropriate description of any technical or customer reports, and/or mineral quality, mineral suitability, grades per ton or per 100 tons, as the case may be, that will result from the bulk sample(s)

Excavations will be carefully measured and surveyed to determine the tonnages of excavated material. Detailed records will be kept of tonnages processed and final product recovered. This will enable the appointed geologist to determine a number of economical important factors. The manganese/iron grades and sales values can be used in a resource/reserve statement.

The following reports will result from the bulk sampling operation:

- volume and tonnage report by a surveyor and geologist;
- Report on tonnages processed and quantities of crushed varieties;
- Sales results;
- Report on bulk sampling results by a geologist.

(b) the contribution such results will make towards the determination of a resource,

Bulk sampling will enable to increase the confidence levels of resource levels from exploration target to inferred to indicated to measured resource. Without bulk sampling it is not possible classify the resource beyond inferred resource level.

(c) an undertaking to make such results available in terms of regulation 8)

I as THABO EZEKIEL MAFOKO for and on behalf of Wepex Trading Pty Ltd hereby undertakes to fully comply with conditions of Regulation 8 and to make all bulk sampling results available to the Department of Mineral Resources.

2.3 Prospecting work programme (with bulk sampling)

(**NOTE**: Provide a complete prospecting work programme compiled in accordance with and in the format of the template provided in the SAMRAD ONLINE application portal)

Yes – completed.

2.4 Environmental management programme

(**NOTE**: Provide a complete environmental management programme in accordance with the EM Programme template provided in the SAMRAD ONLINE application portal).
(**NOTE:** The submission of an Environmental Management Programme is not required in cases where the total volume of excavations, of the mineral and the overburden, will be less than 10 000m^3, except in the cases of diamonds, dimension stone and construction materials where the submission of an Environmental Management Programme will remain a requirement).

An Environmental Management Plan in accordance with the template on the SAMRAD Online system will be submitted to DMR within the allocated timeframe as prescribed by the MPRDA and NEMA.

2.5 Copy of resolution

(Provide a copy of a signed resolution by the company or holder authorising the person submitting the application to act in a representative capacity to submit the application for bulk sampling)

A resolution authorizing THABO EZEKIEL MAFOKO is hereto attached.

2.6 IDENTIFICATION OF THE APPLICATION

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted herewith, and that the information contained herein is true and correct.

Full Names and Surname	THABO EZEKIEL MAFOKO
Identity Number	6202015813088

END

Appendix D

WADALA MINING AND CONSULTING (PTY) LTD

2005/041175/07

PO Box/Posbus 110823
Hadisonpark
8306

Telephone : 053 8320029

Fax : 086 510 7120
E-mail woosthuizen950@gmail.com,
roosthuizen950@gmail.com
Cell nr: 082 870 9973 (Willie)
Cell nr: 084 208 9088 (Roelien)

The Regional Manager

Department Mineral Resources

Directorate Mineral Regulation

Private Bag X 6093

Kimberley

8300

4 September 2017

For Attention: Ms Raisibe Sekepane

AMENDMENTS TO BE APPLIED FOR IN TERMS OF PART 2 OF SECTION 31 OF NEMA: (NC) 11815 PR WEPEX TRADING (PTY) LTD (REGISTRATION NUMBER 2015/230389/07)

With reference to our Prospecting Right and the Section 102 submitted to amend the Prospecting Work Programme to include bulk sampling.

We hereby formally apply for the amendment of the BAR and Environmental Management Programme for Wepex Trading in terms of sections 31 and 32 of the National Environmental Management Act, 107 of 1998 as was determined.

Wepex Trading will therefor in terms of Section 32(1) within 90 days of receipt by the competent authority of this application in terms of regulation 31, submit to the competent authority a report, reflecting-

(i) an assessment of all impacts related to the proposed change;
(ii) advantages and disadvantages associated with the proposed change; and
(iii) measures to ensure avoidance, management and mitigation of impacts associated with such proposed change; and
(iv) any changes to the EMPR;

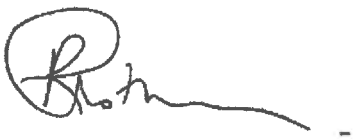
which report-

(i) had been subjected to a public participation process, which had been agreed to by the competent authority, and which was appropriate to bring the proposed change to the attention of potential and registered interested and affected parties, including organs of state, which have jurisdiction in respect of any aspect of the relevant activity, and the competent authority, and
(ii) reflects the incorporation of comments received, including any comments of the competent authority; or

The Basic Assessment Report with the amendments and proof of public participation will be submitted, along with the amended Prospecting Work Programme, in terms of Section 102 of the Mineral and Petroleum and Resources Development Act within 90 days from the date of receipt of the application.

Your guidance is always appreciated.

Regards



Ms. R.H. Oosthuizen

WADALA MINING AND CONSULTING (PTY) LTD

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

IMPORTANT NOTICE

Kindly note that:

1. As from 8 December 2014, this document serves as the application form, and incorporates the requisite documents that are to be submitted together with the application for the necessary environmental authorisations in terms of the said Acts.

2. This application form is applicable while the Mineral and Petroleum Resources Development Amendment Act of 2008 is in effect, as the form may require amendment should the Act be further amended.

3. Applicants are required to apply for the necessary water use licence and any other authorisations or authorisations to the relevant competent authorities as required by the relevant legislation. Upon acceptance of an application for a right or permit in terms of the MPRDA, applicants will be required to provide evidence to the Regional Manager that a water use licence has been applied for.

4. The Regional Manager will respond to the application and provide the reference and correspondence details of the Competent Authority, and in the event that the application for a right or permit is accepted, together with the date by which the relevant environmental reports must be submitted. Notwithstanding anything that may appear to be stated to the contrary in the acceptance letter, the timeframes are in fact aligned and the prescribed timeframes for the submission of documents as regulated by the NEMA regulations must be strictly adhered to.

5. The application must be typed within the spaces provided in the form. The sizes of the spaces are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is space is filled with typing.

6. The failure to submit complete information as required in this application form may result in the refusal of the application for an environmental authorisation and consequently of the right or permit applied for.

7. This application must be submitted through the SAMRAD online application system of the Department of Mineral Resources under "Other documents to upload".

8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.

9. Please note that an application fee is payable in terms of the National Environmental Management Act and the National Waste Management Act, which fees must be paid upon lodgement of the application. Should the said application fees not be paid as prescribed the application for a right or permit in terms of the Mineral and Petroleum Resources Development Act cannot be considered to have been made in the prescribed manner and the said application for a right or permit will have to be rejected. In this regard the type of applications must be identified in the table below.

PLEASE STATE TYPE OF AUTHORISATIONS BEING APPLIED FOR

APPLICATION TYPE	APPLICABLE FEE	Mark with an X where applicable
NEMA S&EIR application on its own	R10 000.00	
NEMA BAR application on its own	R2 000.00	
NEMWA S&EIR application on its own	R10 000.00	
NEMWA BAR application on its own	R2 000.00	
NEMA S&EIR application combined with NEMWA S&EIR application	R15 000.00	X
NEMA BAR application combined with NEMWA BAR application	R3 000.00	
NEMA S&EIR application combined with NEMWA BAR application	R11 000.00	

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

This application is for a Scoping Report and EIAr process for a Prospecting Right that is being amended. The public consultation process will meet the full set of requirements as set out in Chapter 6 of the National Environmental Management Act (No 107 of 1998) – Environmental Impact Assessment Regulations, 2014. The public participation process that will be undertaken for the project has been outlined in Section 6 of this application form.

2. DETAILS OF THE APPLICANT

Project applicant:	**Wepex Trading (Pty) Ltd**		
Registration no (if any):	**2015/230389/07**		
Trading name (if any):			
Responsible Person, (e.g. Director, CEO, etc.):	**Thabo Mafoko (Share Holder)**		
Contact person:	**Thabo Mafoko**		
Physical address:	**24 Nanyuki Road 27 Sunninghill Brooke Estates Sunninghill 2157**		
Postal address:	**Postnet Suit 246 Private Bag X43 Sunninghill 2157**		
Postal code:	**2157**		**2157**
Telephone:	**060 377 3891**		
E-mail:	**Thabo.mafoko887@yahoo.com**		

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	ROELIEN OOSTHUIZEN		
Professional affiliation/registration:	Registered as a professional at IAIAsa (International Association for Impact Assessment South Africa)		
Contact Person, (if different from EAP):	ROELIEN OR WILLIE OOSTHUIZEN		
Company:	WADALA MINING AND CONSULTING (PTY) LTD		
Physical address:	FARM OBERON, KIMBERLEY		
Postal address:	P.O. BOX 110823, HADISON PARK, KIMBERLEY		
Postal code:	8306	Cell:	084 208 9088
Telephone:	053 832 0029 082 870 9973 084 208 9088	Fax:	086 510 7120
E-mail:	woosthuizen950@gmail.com roosthuizen950@gmail.com		

An independent EAP has been appointed as stipulated by the NEMA Regulations. Please refer to **Appendix 1** for the declaration of independence, CV and list of projects completed by the appointed EAP, indicating the experience with environmental impact assessments and relevant application processes.

4. PROJECT DESCRIPTION

Farm Name:	Farm Name and No: Gloucester 674 Subdivision : Remaining Extent Magisterial District: Kuruman Province: Northern Cape Extent: 1 165.8 ha Title Deed No: T654/1966
Application area (Ha)	1165.8 ha (One thousand one hundred and sixty five comma eight hectares.)
Magisterial district:	Postmasburg
Distance and direction from nearest town	The farm is situated ± 28 km north of Postmasburg and ± 54.7 km south of Kathu along the R325 provincial road.
21 digit Surveyor General Code for each farm portion	C0410000000067400000
Locality map	Attach a locality map at a **scale not smaller than 1:250000 and attach as Appendix 2**
Description of the overall activity. **(Indicate Prospecting Right, Prospecting Permit, Prospecting right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)**	Wepex Trading (Pty) Ltd is in the process of applying for a Prospecting Right with Bulk Sampling under a Section 102 application, for the prospecting of manganese and Iron ore on the Remaining Extent of Gloucester 674, Kuruman. They therefore seek to apply for an additional Environmental Authorisation for this area which will include the listed activities for a bulk sampling operation.

5. ACTIVITIES TO BE AUTHORISED

An Environmental Authorization has been obtained for the same property (Appendix 3).

This environmental Authorization will make provision for bulk sampling which had not been included in the initial application and Environmental Authorization attached as Appendix 3.

This Environmental Authorization application involves more than one listed activity, which together make up one prospecting operation. Therefore please find attached a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all activities to be applied for, as Appendix 4. Bulk sample sites is not indicated as they are dependant on the results of the drilling.

Name of activity (e.g. Excavations, blasting, stockpiles, discard dumps or dams, loading, hauling and transport water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors etc. etc. etc.)	Aerial extent of the activity (Ha or m²)	Listed Activity (mark with an X where applicable or relevant)	Applicable Listing Notice (GNR544, GNR545 or GNR546 / Not listed GNR983, GNR984, GNR985/ Not listed)
Activity 9: "The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water- (vii) with an internal diameter of 0.36 metres or more; or (viii) with a peak throughput of 120 litres per second or more;	Water distribution Pipelines	X	NEMA: LN1 (GNR983)
Activity 12: "The development of— (i) canals exceeding 100 square metres in size; (ii) channels exceeding 100 square metres in size; (iii) bridges exceeding 100 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size; (vi) bulk storm water outlet structures exceeding 100 square metres in size; (x) buildings exceeding 100 square metres in size; or (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or **(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse"** Regulation GN R704, published on 4 June 1999 in terms of the National Water Act (Use of water for mining and related activities)	Clean and dirty water system It is anticipated that the operation will establish storm water control berms and trenches to separate clean and dirty water on the prospecting site.	X	NEMA: LN1 (GNR983)
Activity 19: "The infilling or depositing of any material of more than 10 cubic metres into, or dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from-	50 cubic metres to be confirmed by geologist	X	NEMA: LN1 (GNR983)

(i) a watercource;			
Activity 20: The Wepex operation directly relates to prospecting of a mineral resource (manganese and iron ore) and requires a prospecting right.	1 195.750 ha Although the total area will never be prospected and the footprint with the drilling and bulk sampling is calculated to be ±3 ha. Drilling minimum 30 surface drillholes – 6 months. Diamond drilling will consist of 30 holes of HQ and NQ core size to depths ranging from 50m to 100m below surface, thus producing a total of approximately 2000 meters A total of twenty (20) surface trenches/cuts are planned for this phase of prospecting. The trenches will assist in determining the location of the in-situ Mn/Fe deposits and will be sampled to determine the quantity and quality of the mineralisation found. Cuttings will be made into historical dumps to determine their composition. Both the trenches and cuttings are planned to be no more than 25m long, 20m wide and 5m deep.	X	NEMA: LN1 (GNR983)
Activity 30: "Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004)."	Specialist studies will confirm		NEMA: LN1 (GNR983)
Activity 14: The development of facilities or infrastructure for the storage and handling of dangerous goods (fuel), where such storage	2 X 23 000l diesel tanks = 46 000l with capacity for storing of old oils	X	NEMA: LN2 (GNR984)

occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic meters.	and new oils to be calculated		
Activity 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	5ha		NEMA: LN1 (GNR983)
Activity 19: The Wepex operation directly relates to prospecting of a mineral resource (manganese and iron ore) and requires permission in terms of Section 20 (MPRDA), for the removal and disposal of bulk samples of any minerals.	1195.750 ha. Although the total area will never be prospected and the footprint with the bulk sampling is calculated to be ± 3 ha.	X	NEMA: LN2 (GNR 984)
Activity 21: The Wepex operation directly relates to activities associated with the primary processing of a mineral resource.	±0.4	X	NEMA: LN2 (GNR 984)
Activity 27(iv): "The development of — (iv) a road catering for more than one lane of traffic in both directions;" Roads (both access and haulage road on the mine site):	7.5ha	X	NEMA: LN2 (GNR 984)
Activity 2: A reservoir with a capacity of more than 250 m3 for bulk water supply.	To be confirmed	X	NEMA: LN3 (GNR985)
Activity 4: The development of access roads 6 m in width with no reserve. Roads (both access and haulage road on the mine site): Although it is recommended that the operation utilize existing roads as far as possible, it is anticipated that the mining operation will create an additional 5 km of roads, with a width of 6 meter.	3ha	X	NEMA: LN3 (GNR985)
Activity 15: The establishment of residue deposits resulting from activities which require a prospecting right.	0.3ha		NEMWA: Category A (GNR 633)
Pipelines for the bulk transportation of water with a diameter of < 0.36 m and a peak throughput of < 120 L /s.	To be confirmed		

Office complexes Temporary workshop facilities Storage facilities Concrete bund walls and diesel depots Ablution facilities Topsoil stockpiles Overburden stockpiles Water tanks	± 200 m2 ± 300 m2 ± 2 000 m2 ± 250 m2 ± 30 m2 ± 500 m2 5 000 m2 3m x 3m = 9m² each		Not Listed
Waste disposal site (domestic and industrial waste): It is anticipated that the operation will establish a dedicated, fenced waste disposal site with a concrete floor and bund wall. The following types of waste will be disposed of in this area: • Small amounts of low level hazardous waste in suitable receptacles. • Domestic waste. • Industrial waste.	15m x 30m = 450m² per site		Not Listed

6. PUBLIC PARTICIPATION

(Provide details of the public participation process proposed for the application as required by Regulation).

Details of the Public Participation process to be followed.

6.1.1 IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?	X	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties be identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 metres of the area be consulted?	X	
Will Authorities responsible for public roads or railyway lines within 100 metres of the area applied for be consulted?	X	
Will Authorities responsible for any other infrastructure within 100 metres of the area applied for be consulted? (Specify)	X Road Railway powerlines	
Will the Provincial Department responsible for the environment be consulted?	X	
Will all the parties identified above be provided with a description of the proposed prospecting/prospecting operation as referred above?	X	
Other, Specify		

6.1.2 DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

Steps to be taken to notify interested and affected parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as **Appendix**)	**PROVIDE DESCRIPTION HERE** The landowner and the neighbours will be informed personally and consulted by the applicant and this will be confirmed in writing. A consultation letter will be send to the farm owners. An advert will be published in the local newspaper for comments and a public meeting will be held.
Information to be provided to Interested and Affected Parties	**Compulsory** • The site plan. • List of activities to be authorised. • Scale and extent of activities to be authorised. • Typical impacts of activities to be authorised (e.g. surface disturbance, dust, noise, drainage, fly rock etc.). • The duration of the activity. • Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land).
	Other, specify:
Information to be required from Interested and Affected Parties	**Compulsory** • To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions. • To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity. • To provide information on current land uses and their location within the area under consideration.

	• To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied requested to make written proposals. • To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied.
	Other, specify

7. DESCRIPTION OF THE ASSESSMENT PROCESS TO BE UNDERTAKEN

ITEM	DESCRIPTION
Environmental attributes Describe how the environmental attributes associated with the development footprint will be determined.	The landowner and the neighbours will be informed personnally and consulted by the applicant and this will be confirmed in writing. Notice boards/ Site notices and newspaper adverts will be distributed and displayed as stipulated in regulations. All interested and affected parties will receive an information brochure on the application and how they can be registered. Information brochures will also be made available at public places for the public to be involved.
Identification of impacts and risks Describe the process that will be used to identify impacts and risks.	The process used to identify and assess risks for the project are as follows: For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures.
Consideration of alternatives Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.	The only other alternative would be not to apply for the manganese and iron on a Prospecting Right application. This new application will also make use of the current infrastructure in the area for processing purposes. so there is no need to establish this again. **CONSEQUENCE IF NOT PROCEEDING WITH THE OPERATION** The operation will makes provision for 31 job opportunities. This will be lost if the project does not proceed. Substantial tax benefits to the state and local government will also be lost.
Process to assess and rank impacts Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.	For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures
Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact	Should there be a need for specialist studies their reports will be taken into consideration and findings disclosed to all

identification, assessment and remediation process.	interested and affected parties. As this area is already disturbed (prospecting around the area) there are not foreseen findings from specialists.
Determination of impact management objectives and outcomes Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards	Based on the assessment and where applicable the recommendations from specialist reports, the recording of proposed impact management objectives, and the impact management outcomes for the development for inclusion in the EMPr as well as for inclusion as conditions of authorisation.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMAs				
National Environmental Management: Air Quality Act		X		
National Environmental Management: Biodiversity Act		X		
National Environmental Management: Integrated Coastal Management Act		X		
National Environmental Management: Protected Areas Act				
National Environmental Management: Waste Act		X		
National Legislation				
Mineral Petroleum Development Resources Act	X		X	
National Water Act		X		
National Heritage Resources Act		X		
Others: Please specify				

Please provide proof of submission of applications in **Appendix 5**.
In the event that an authorisation in terms of the National Environmental Waste Management Act is required for any of the activities applied for please state so clearly in order for such an authorisation to be considered as part of this application.

9. DRAFT EMPr

For consultation purposes, provide a high level approach to the management of the potential environmental impacts of each of the activities applied for.

ACTIVITIES (E.g. for prospecting – drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route, etc. ... etc. ... etc. E.g. for prospecting – excavations, blasing, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc. ... etc. ... etc.)	PHASE (of operation in which activity will take place) State: Planning and design, Pre-Construction, Operational, Rehabilitation, Closure, Post closure	1165.8 ha	TYPICAL MITIGATION MEASURES (e.g. storm water control, dust control, noise control, access control, rehabilitation, etc. ... etc.)	COMPLIANCE WITH STANDARDS (A description of how each of the recommendations herein will compy with any prescribed environmental management standards or practices that have been identified by Competent Authorities)
Data Collection	Planning	1165.8 ha	☐ Reliable data sources to be	☐ Signed declarations

			used □ Safety precautions at mine	□ Mine Health and Safety Act 1996
Site access	Destruction of flora	30 000m²	□ Ensure site access routes are adhered to. □ Signage to be displayed □ Remove vegetation before prospecting commences.	□ Adherence to applicable legislation. □ No unnecessary loss of flora.
Site access	Soil compaction from use of access roads	30 000m²	□ Soil management programme	□No unnecessary loss of soil □NEMA, Biodiversity Act
Site access	Vehicle traffic noise pollution	30 000m²	□ Limit activities to normal working hours. □ Servicing of machines and vehicles as necessary. □ Stick to speed limits: 40km	□ Avoid loud unnecessary noise impacts □ No complaints from neighbours □ Adhere to noise limits as stated in Health and Safety Act 1993 and Air Quality Act 2004:Dust Regulations
Site establishment (prospecting area)	Destruction of flora	5 ha that will be removed that constitute the drillholes and bulk sampling	□ Only remove what is necessary. □ Demarcation of no-go areas □ Awareness training	□ End use objective to be kept in mind while removing vegetation. □ Adherence to the Biodiversity Act 2004.
Site establishment (prospecting area)	Surface disturbance (topsoil removal)	5ha that will be removed for drill holes on area and bulk sampling	□ Remove topsoil 100-150mm □ Stockpile in designated area □ Ensure no invasive species establish	□ Visual inspection on topsoil (invasive species) □ No wastage of valuable resource. □ Adherence to Alien Invasive Species Regulations 2014.
Site establishment (Prospecting area)	Dust emission from clearing soil	The plant will be constructed access the areas for 3ha of disturbance of drill holes on area and bulk sampling	□ Dust suppression to be undertaken when deemed necessary. □ Dust sampling: Personal exposure and dust buckets	□ Avoid dust pollution and complaints from public. □ Remain within the Air Quality Act, 2004 Dust regulations

Prospecting activities	Surface disturbance	5ha that will be removed and plant that will be constructed on area	☐ Stick with prospecting layout plan, site layout. ☐ Monitoring on prospecting areas weekly	☐ No prospecting over allowed boundaries ☐ Inspection sheet to be completed on prospecting areas ☐ Adherence to MPRDA and authorisation
Prospecting activities	Potential hydrocarbon spills from machinery and equipment	5 ha that will be removed and plant that will be constructed on area	☐ Spills kits and preventative measures to be in place at all times at the mine. ☐ Proper servicing of equipment and machinery. ☐ Training and awareness	☐ No hydrocarbon spills evident. ☐ Pollution avoidance ☐ Training programme
Prospecting activities	Dust from prospecting activities	5 ha that will be removed	☐ Dust suppression to be undertaken. ☐ Dust monitoring	☐ Dust agent used from an approved source ☐ Remain within the Air Quality Act, 2004 Dust regulations
Prospecting activities	Possible Change in drainage patterns	5 ha that will be removed on area	☐ Erosion Management Plan ☐ Weekly visual inspections	☐ No visible erosion
Prospecting activities	Aesthetics Value	5 ha that will be removed on area	☐ Screen off prospecting activities where necessary	☐ No complaints received from public

10. CLOSURE PLAN

In the space provided under each heading below, please provide a high level description of the plan for closure and the information that will be provided in the draft EMPr accompanying draft basic assessment report or environmental impact reports going forward.	
Baseline environment **Describe how the baseline environment will be determined with the input of interested and affected parties and due cognizance of the current land uses and or existing biophysical environment.**	The baseline environment will be determined by site visit, specialist studies (if necessary) and a desktop study. Information will also be obtained should there be any concerns from local communities/ landowners.
Closure objectives **Describe the closure objectives and the extent to which they will be aligned to the baseline environment**	➢ The main closure objective of the applicant is to leave the farm in the same state as it was received in. ➢ To prevent the sterilization of any ore reserves. ➢ To prevent the establishment of any permanent structures or features. ➢ The mine also has the objective to establish a stable and self-

	sustainable vegetation cover if necessary. ➢ To limit and rehabilitate any erosion features and prevent any permanent impact to the soil capability of the mine. ➢ To limit and manage the visual impact of the mine. ➢ To safeguard the safety and health of humans and animals on the mine. ➢ The last closure objective is that the mine is closed efficiently, cost effectively and in accordance with government policy.
Rehabilitation Plan **Describe the scale and aerial extent of the prospecting or prospecting listed activities to be authorised, including the anticipated prospecting or prospecting area at the time of closure, and confirm that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPr to be submitted together with the draft EIR or Basic Assessment Report as the case may be.**	➢ Infrastructure Areas: On completion of the prospecting operation, the various surfaces, including the access roads, the office area, storage area, will finally be rehabilitated as follows:- All remaining material on the surface will be removed to the original topsoil level. This material will then be backfilled into the depressions. Any compacted area will then be ripped to a depth of 300mm, where possible, the topsoil or growth medium returned and landscaped. All infrastructures, equipment, screening plant, and other items used during the operational period will be removed from the site. On completion of operations, all buildings, structures or objects on the office site will be dealt with in accordance with Regulation 44 of the Minerals and Petroleum Resources Development Act, 2002, which states:- *Regulation 44* 1. *When a prospecting right, prospecting right, retention permit or prospecting permit lapses, is cancelled or is abandoned or when any prospecting or prospecting operation comes to an end, the holder of such right or permit may not demolish or remove any building, structure or object –* *(a) which may not be demolished or removed in terms of any other law;* *(b) which has been identified in writing by the Minister for purposes of this section; or* *(c) which is to be retained in terms of an agreement between the holder and the owner or occupier of the land, which agreement has been approved by the Minister in writing.* 2. *The provision of subsection (1) does not apply to bona fide prospecting equipment, which may be removed.* Topsoil and Stockpile Deposits: Disposal facilities Waste material of all description inclusive of receptacles, scrap, rubble and tyres will be removed entirely from the prospecting area and disposed of at a recognised landfill facility. It will not be permitted to be buried or burned on the site. Ongoing seepage, control of rain water No monitoring of ground or surface water will take place, except if so requested by the DWS – Kimberley. Long term stability and safety It will be the objective of mine management to ensure the long term stability of all rehabilitated areas including the backfilled depressions. This will be done by the monitoring of all areas until a closure certificated has been issued. Final rehabilitation in respect of erosion and dust control Self-sustaining vegetation will result in the control of erosion and

	dust and no further rehabilitation is planned. **Rehabilitation of drill holes** **Due to drilling of 30 holes, holes could be created that can be classified as dangerous**. All available material will be used during backfilling to avoid the existence of dangerous holes. Final rehabilitation roads After rehabilitation has been completed, all roads will be ripped or ploughed, fertilized and seeded, providing the landowner does not want them to remain that way and with written approval from the Director Mineral Development of the Department of Mineral Resources. Submission of information Reports on rehabilitation and monitoring will be submitted annually to the Department of Mineral Resources – Kimberley, as described in Regulation 55. Maintenance (Aftercare) Maintenance after closure will mainly concern the regular inspection and monitoring and/or completion of the re-vegetation programme. The aim of this Environmental Management Plan is for rehabilitation to be stable and self-sufficient, so that the least possible aftercare is required. The aim with the closure of the mine will be to create an acceptable post-mine environment and land-use. Therefore all agreed commitments will be implemented by Mine Management. ➢ After-effects following closure: Acid mine drainage No potential for bad quality leach ate or acid mine drainage development exist after mine closure (in this case all Kimberlitic material will be removed). Long term impact on ground water No after effect on the groundwater yield or quality is expected. Long-term stability of rehabilitated land One of the main aims of any rehabilitated ground will be to obtain a self-sustaining and stable end result. Cleaning of all drill bits material concurrently and replacing of topsoil where available.
Rehabilitation Cost **Describe how the rehabilitation cost will be determined and provide a preliminary estimated thereof.**	The quantum for rehabilitation guarantee will be determined by the area of disturbance, calculated in terms of the Calculation of the Quantum table. A guarantee of R1 000 000.
Decommissioning **Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual activity or the cessation of the overall prospecting or prospecting activity.**	The last phase of the proposed prospecting operation, namely the decommissioning- and closure phase, will consist mainly of the following activities: •The removal of waste material of any description from the prospecting area and the disposal thereof at a recognised landfill facility. •The removal of infrastructure, equipment, plant and other items from the site;

	•The ripping of compacted areas to a level of 300 mm and the levelling of such areas in order to re-establish a growth medium for plants (such areas will furthermore be seeded with a vegetation seed mix adapted to reflect the local indigenous flora that was present prior to the prospecting operation, if the re-establishment of vegetation is unacceptably slow.

Signature of the applicant/Signature on behalf of the applicant:

Name of company (if applicable):

4 September 2017
Date:

APPENDIX 1
DECLARATION OF THE EAP

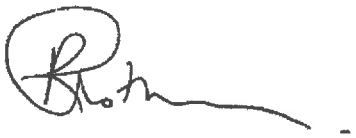
I, **RH Oosthuizen,** declare that –

General declaration:

- I act as the independent environmental practitioner in this application;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing – any decision to be taken with respect to the application by the competent authority; and – the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;
- All the particulars furnished by me in this form are true and correct;
- Will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;



RH OOSTHUIZEN
WADALA MINING AND CONSULTING
DATE: 4 September 2017

APPENDIX 1 CONTINUE

CURRICULUM VITAE – RH OOSTHUIZEN

PERSONAL DETAILS

FULL NAMES AND SURNAME	:	**Roelina Henriëtte** Oosthuizen
DATE OF BIRTH	:	18 April 1970
I.D. NO	:	700418 0037 08 2
MARITAL STATUS	:	Married
CITIZENSHIP	:	**Republic of** South Africa
RESIDENTIAL ADDRESS	:	Farm Oberon Kimberley
POSTAL ADDRESS	:	P.O. Box 110823 Hadisonpark Kimberley 8306
E-MAIL ADDRESS	:	roosthuizen950@gmail .com
CEL NO	:	084 208 9088
DRIVER'S LICENCE	:	EB
LANGUAGES	:	Afrikaans (home language) English

QUALIFICATIONS

2000	**UNIVERSITY OF THE ORANGE FREE STATE**
	Qualification: Master in Environmental Management.
1991	**NORTH WEST UNIVERSITY**
	Qualification: B – Comm: Industrial psychology.
1988	**BRITS HIGH SCHOOL (BRITS)**
	Qualification: Matric

COURSES and Conferences ATTENDED

I have attended various prospecting and environmental conferences and seminars to stay abreast with the latest changes in legislation, legal compliance and policy positions in the sector.

August 1994	Junior Managers (Public Service Training Institute)
November 1994	Mineral Laws Administration (Public Service Training Institute)
October 1997	Mineral Laws Administration & Environmental Management (University of Pretoria)
July 2002	Project Management for Environmental Systems (University of the Orange Free State)
August 2004	Environmental and Sustainability in Prospecting Minerals and Energy Education and Training Institute (MEETI)
September 2005	Converting Old Order Rights to New Order Rights in Prospecting (International Quality & Productivity Centre Johannesburg)
November 2006	Mine waste disposal and Achievement of Mine Closure
February 2007	Introduction to ArcGis 1
April 2010	Prospecting Law Update Conference (IIR BV South Africa)
November 2010	Social Labour Plans for Prospecting Workshop (Melrose Training)
August 2011	Mineral Resources Compliance and Reporting (ITC)
May 2012	Enviro Prospecting Conference 2012 (Sustainability and Rehabilitation) (Spectacular Training Conferences)
August 2012	Mineral Resources Compliance and Reporting 4th Annual (ITC)
March 2013	1st EnviroProspecting-Ensuring Environmental Compliance and reporting
March 2014	4th Annual EnviroProspecting Conference
March 2015	5th Annual EnviroProspecting Conference

CAREER HISTORY

Wadala Mining and Consulting (Pty) Ltd:

ADDRESS	:	**Farm Oberon** Kimberley 8301
PERIOD OF EMPLOYMENT	:	01 August 2013 - Part time
POSITION HELD		**Mineral Law Administration and Environmental Manager**

Diacor Closed Corporation:

ADDRESS	:	**6 Mullin Street** Hadisonpark Kimberley 8306
PERIOD OF EMPLOYMENT work	:	01 October 2013 – Present and part time consultancy
POSITION HELD **Manager**		**Mineral Law Administration and Environmental**

Mentor Trading and Investments 52 (Pty) Ltd:

ADDRESS	:	2 Kekewich Drive Monridge Office Park no 6 Monument Heights Kimberley 8301
PERIOD OF EMPLOYMENT	:	01 October 2012 – 01 October 2013
POSITION HELD		**Mineral Law Administration and Environmental Manager**

Rockwell Diamonds Inc:

ADDRESS	:	PO Box 251 BARKLY-WES 8375

PERIOD OF EMPLOYMENT : 01 March 2005 – 30 September 2012

POSITION HELD **Mineral Law Administration and Environmental Manager**

MAIN JOB FUNCTIONS

- Collect analyse and interpret information regarding the measurement of impacts of prospecting operations on the environment, the rehabilitation of land surfaces.
- The prevention, control and combating of pollution.
- Co-ordinate, investigate, audit and resolve environmental problems in conjunction with the Department of Water and Sanitation, Department of Agriculture and the provincial Department of Tourism, Environment and Conservation.
- Address complaints and inquiries received from the public and prospecting industry.
- Consult with relevant authorities and interested and affected people regarding the approval of Environmental Management Programmes.
- Ensuring that rehabilitation standards are applied.
- Ensuring that the requirements stated in Environmental Management Programme Reports are adhered to.
- Evaluate Prospecting Rights and Prospecting Right applications and recommend site-specific conditions according to legislative requirements.
- Constant liaison with the public, the prospecting industry and other government authorities on Environmental matters, legislation and agreements.
- Calculate and verify financial provision for outstanding rehabilitation.

DEPT OF MINERALS & ENERGY:

ADDRESS : 43 Chapel Street
Standard Bank Building
KIMBERLEY

PERIOD OF EMPLOYMENT : 01 April 1997 to 01 March 2005

POSITION HELD **Senior Environmentalist - Assistant Director Environment**

MAIN JOB FUNCTIONS :

- Collect analyse and interpret information regarding the measurement of impacts of prospecting operations on the environment, the rehabilitation of land surfaces.
- The prevention, control and combating of pollution.
- Co-ordinate and prioritise the rehabilitation of derelict and ownerless mines.

- Co-ordinate, investigate, audit and resolve environmental problems in conjunction with the Department of Water Affairs and Forestry, Department of Agriculture and the provincial Department of Tourism, Environment and Conservation.
- Address complaints and inquiries received from the public and prospecting industry.
- Consult with relevant authorities and interested and affected people regarding the approval of Environmental Management Programmes.
- Ensuring that rehabilitation standards are applied.
- Ensuring that the requirements stated in Environmental Management Programme Reports are adhered to.
- Conduct inspections and recommendations on mines that apply for closure.
- Evaluate prospecting licences and prospecting applications and recommend site-specific conditions according to legislative requirements.
- Constant liaison with the public, the prospecting industry and other government authorities on environmental matters, legislation and agreements.
- Influence new development processes through participation in the EMPR and EIA processes and give guidance through education and awareness programmes.
- Calculate and verify financial provision for outstanding rehabilitation.

DEPT. OF MINERALS AND ENERGY:

POSITION HELD : Assistant Mineral Laws Officer – Senior Mineral Laws Officer

PERIOD OF EMPLOYMENT : 01 November 1993 – March 1997

ADVISORY COMMISSION ON LAND ALLOCATION

POSITION HELD : Assistant Administrative Officer

PERIOD OF EMPLOYMENT : 10 February 1992 – October 1993

Experience Projects Completed

I am a dedicated professional Mineral Law Administration and Environmental Manager with 23 years extensive experience in the managing and mitigating of specifically prospecting related impacts. I started my career in 1993 in the Department of Minerals and Energy where I have done Environmental inspections with site visits on all mines in the Northern Cape. I have done Environmental Audits on operational and closed prospecting sites in collaboration with other Departments. I have also specifically looked at pollution control measures on prospecting sites and the effectiveness of these measures. I have evaluated submitted EIA /EMP documents and have worked closely with all other Departments and stakeholders to make sure that all environmental aspects have been dealt with adequately in submitted documents. I left the Department for the Private Sector in 2005. I have since worked for a Canadian Group of Companies in the Private Sector, started a consultancy where I provide various prospecting companies with professional advice and guidance on Mineral Law and Environmental Issues. I have also represented the South African Diamond Producers Organisation (SADPO) on the Environmental Policy Committee (EPC) at the Chamber of Mines between 2005 and 2011.

2005

Environmental Management Plan with an application for a Prospecting Right for diamonds on Portion 9 and 14 of the farm Lanyon Vale 376, Hay in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in August 2007 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Remainder of Portion 18 (a portion of Portion 10) of the farm Lanyon Vale 376, Hay in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in August 2007 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Remainder of Portion 1, Portion 2 (a Portion of Portion 1), Portion 3 and Portion 5 of the farm Zweet Fontein nr 76 and Remainder of Portion 1 and portion 3 of the farm Blaaubosch Drift nr 78, Herbert in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in August 2007 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

2006

Environmental Management Plan with an application for a Prospecting Right for Tin in Kakamas South Settlement, Kakamas in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in June 2011 with the Prospecting Right
Client: Douglas Prospecting and Exploration (Pty) Ltd

2007

Environmental Management Plan with an application for a Prospecting Right for diamonds on the Remaining Extent, Portion 1 and Portion 2 of Diamond Valley 29, Hopetown in terms of Section

16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in April 2008 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

2008

Environmental Management Plan with an application for a Prospecting Right for diamonds on Portion 12, 13, 16, 24 & 25 Saxendrift 20 in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in June 2008 with the Prospecting Right
Client : HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Erf 1 Windsorton, Barkly-Wes in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in February 2009 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

2009

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for Wouterspan Mine (The Farm Lanyon Vale 376, Hay)
EIA/EMP approved on 25/01/2010
Client: HC van Wyk Diamonds Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for GW Ziegler on Remainder, Remainder of portion 1 (Amantia) and portion 2 (a portion of portion 1) of the farm Rietputs no. 15 and portion 1 (Spenceskop) of the farm Waterval no.14 in the district of Kimberley
EIA/EMP approved with conversion of the Prospecting Right
Client: GW Ziegler

2010

Basic Assessment Application
Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2006
PROPOSED EXTENTION OF A ROOF OVER AN EXCISTING DECK WITH TWO WOOD PILLARS BY MEANS OF THE EXCAVATING OF 0.5m X 0.5m X 1m X 2 (½m²) OF SOIL WITHIN 100M OF THE HIGH WATER MARK OF THE SEA
Falls within general notes under activities that requires basic assessment
Positive Record of Decision (ROD) Granted.
Client: Dr. Petrus van der Walt Vermeulen

REVISION OF ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSIONS IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for HC VAN WYK DIAMONDS LTD (204 MRC) ON REMAINING EXTENT OF HOLPAN 161, BARKLY-WES AND KLIPDAM DIAMOND PROSPECTING CO (003MRC) ON REMAINING EXTENT OF KLIPDAM 157, BARKLY-WES
Client: HC van Wyk Diamonds Ltd and Klipdam Diamond Prospecting Company Ltd

2011

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] on PORTION 1 (PAARDE PAN) OF THE FARM ANNEX SAXES DRIFT 21, HOPETOWN, NORTHERN CAPE for 14 Shephards tree (Boscia albitunca)
Licence issued on 24 September 2011
Client : Saxendrift Mine Pty Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 2 of the farm Good Hope 286, Barkly-Wes
EIA/EMP approved February 2013 by the Regional Manager
Client: Diacor CC

APPLICATION FOR CLOSURE CERTIFICATE [in terms of sections 43(3) of the Minerals and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)] AND A CLOSURE PLAN FOR PROSPECTING ACTIVITIES PERFORMED BY HC VAN WYK DIAMONDS LTD ON THE REMAINING EXTENT OF PORTION 1 (WILLOWBANK), PORTION 2 (A PORTION OF PORTION 1) (WILLOWBANK), PORTION 3 (A PORTION OF PORTION 1) (WILLOWBANK) OF KHOSOPSKRAAL 227 AND PORTION 5 (ROSCOMMON) AND PORTION 2 (BORDON) OF HARRISDALE 226 AND FARM 362, BARKLY-WES CLOSURE WAS GRANTED IN JULY 2010
Client: HC VAN WYK DIAMONDS LTD

2012

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] on PORTION 1 OF THE FARM BRAKFONTEIN 276, HOPETOWN NORTHERN CAPE for 4 Shephards tree (Boscia albitunca)
Licence NCU 2831112 issued in November 2012
Client: Jasper Prospecting Pty Ltd

2013

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] ON REMAINDER OF THE FARM NIEWEJAARSKRAAL NO 40, PRIESKA, NORTHERN CAPE. 30 SHEPPHARD'S TREES
Licence NCU 4290214 issued in February 2014
Client: Saxendrift Mine (Pty) Ltd (Niewejaarskraal Mine)

AMENDMENT OF ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR A SECTION 11 APPLICATION OF A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on The Farm Riets Drift no. 18, district
Client: Bo-Karoo Diamond Prospecting (Pty) Ltd to be ceded to Bondeo 140 CC.

2014

Application for a Water Users Licence Application in terms of Section 27 of the National Water Act no 36 of 1998 on the Farm Engelde Wilgeboomfontein 22, Prieska
Application still under review
Client: Thunderflex 78 (Pty) Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 1 of the farm Brakfontein 276 district of Hopetown
EIA/EMP approved April 2015 by the Regional Manager
Client: Jasper Prospecting (Pty) Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on REMAINING EXTENT OF THE FARM MARKSDRIFT 3, HOPETOWN in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in April 2015 with the Prospecting Right
Client: BONDEO 140 CC

2015

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 1 of the farm Speculatie 217 district of Boshof
EIA/EMP accepted by the Regional Manager Free State Region
Client: Thaba Thafita Diamond Prospecting CC

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on a Portion of Erf 1318, Galeshewe , and a Portion of the Remainder Erf 5336, Kimberley
EIA/EMP still under review by the Regional Manager Northern Cape Region
Client: Mystic Pearl 157 (Pty) Ltd

2016

ANNUAL REHABILITATION PLAN for Associated Manganese Mines of South Africa Ltd
Glosam Prospecting Area
February 2016

REFERENCES

WG (Bill) Bartholomew
PO Box 10034
OUDTSHOORN
6620
Tel: +27(0)44 272 3054
Mobile: +27(0)84 466 4411
Fax: +27(0)86 608 8411
email: bartholomew@telkomsa.net

Glenn Norton
Group Technical Manager: Rockwell Diamonds Inc.
Mobile : +27(0)836305357
Email : glenn@rockwelldiamonds.com

Hennie van Wyk
Member : Diacor CC
Mobile: +27(0)828201879
Email : hennie@goodhopereserve.co.za

Name of the Practitioner: Dr Elizabeth (Betsie) Milne
Tel No.: 082 992 1261
Fax No.: N/A (No fax)
E-mail address: betsiemilne@gmail.com

The End

APPENDIX 2 LOCALITY MAP OF APPLICATION AREA

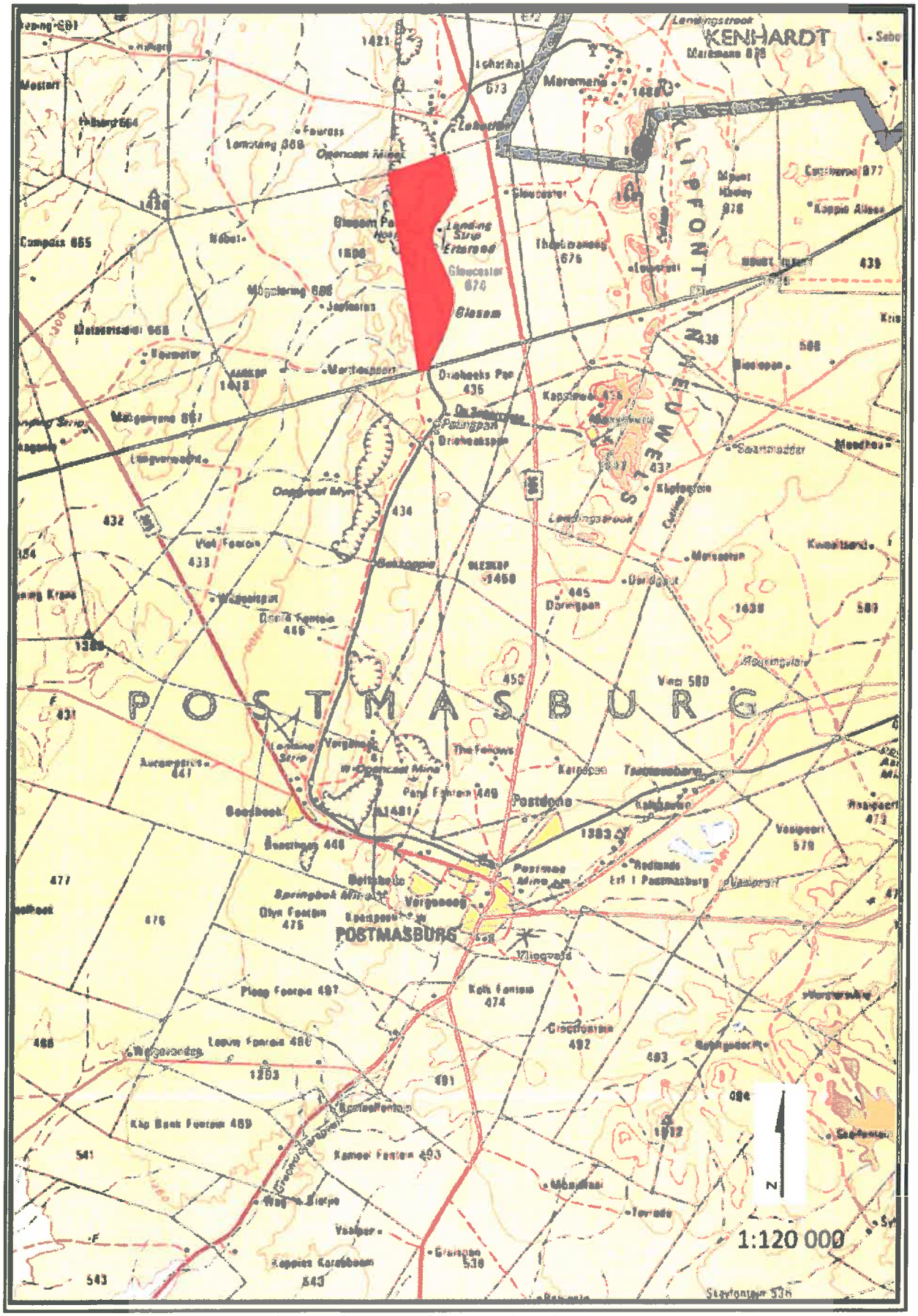


Figure 1: MAP Image – indication location of prospecting site

APPENDIX 3 ENVIRONMENTAL AUTHORIZATION FOR SAME PROPERTY

mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Private Bag X 6093 Kimberley, 8300; Tel: 0538071700; Fax: 0538328593
65 Phakamile Mabija, 1st Floor Permanent Building, Kimberley 8300

ENVIRONMENTAL AUTHORISATION

Reference number:	NC 30/5/1/1/2 (11815) EM
Last amended:	First issue
Holder of authorisation:	Wepex Trading (Pty) Ltd
Location of activities:	Remaining extent of the farm Gloucester No.674 in the magisterial district of Kuruman.

DECISION

ACRONYMS

NEMA: The National Environmental Management Act, 1998 (Act 107 of 1998), as amended

DEPARTMENT: Department of Mineral Resources.

EA: Environmental Authorisation.

EMPr: Environmental Management Programme

BAR: Basic Assessment Report

I&AP: Interested and Affected Parties

ECO: Environmental Control Officer

SAHRA: South African Heritage Resources Agency

EIA REGULATIONS: EIA Regulations, 2014

MPRDA: Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), as amended

EIA: Environmental Impact Assessment.

The Department is satisfied, on the basis of information availed to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake **NEMA** and **EIA** listed activities specified below. Details regarding the basis on which the Department reached this granting decision are set out in Annexure "I" of this integrated environmental authorisation.

ACTIVITY APPLIED FOR

By virtue of the powers conferred on it by NEMA and NEMWA, the Department hereby grant an application for EA by **Wepex Trading (Pty) Ltd** with the following contact details –

Mr. Thabo Mafoko
24 Nanyuki Road, Sunnighill Brooke Estates Sunninghill, 2157
Postnet Suit 246
Private Bag X43
Sunninghill
2157

Tel no: (060) 377 3891 **Email address:** Thabo.mafoko887@yahoo.com
To undertake the following activities listed in the NEMA and EIA Regulation.

NEMA: LISTED ACTIVITIES:

Listed activities on listing notice 1 of the EIA Regulations R. 983 of 2014 as:-

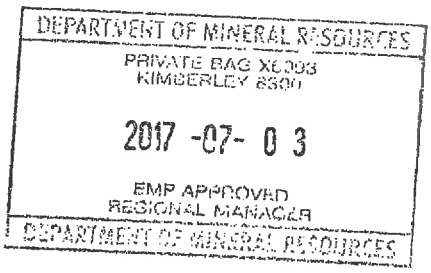
Activity 20 – "Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum resources Development Act, 2002 (Act No. 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of Mineral and Petroleum resources Development Act, 2002 (Act No. 28 of 2002).

Activity 27 – The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, expect where such clearance of indigenous vegetation is required for -

(i) The undertaking of a linear activity; or

(ii) Maintenance purpose undertaken in accordance with maintenance management plan.

The proposed prospecting right application entails the following activities:



- Geological Surface Mapping
- Geophysical Surveys
- Geochemical Surveys
- Invasive Prospecting activities
- 30 boreholes will be drilled in total.

Detailed specifications of the activity are as follows:

Prospecting Method will be as follows.
The prospecting method of a programme of the thirty surface diamond drill holes are planned, comprising HQ and NQ size core at depths of 50m to 100m, thus production drilled cores. The drilling location are selected based on the previous phase of exploration in which data acquisition and interpretations of the ore body have resulted in the delineation of target areas for subsurface drilling exploration. The drilling programme consists of the following: ➢ 20 drill holes allocated to delineating the shallow pockets of manganese ore. ➢ 10 drill holes allocated for deeper drilling for duplicate material.
Borehole Depth: 50m to 100m
Footprint of boreholes will be : 0.3 ha
Land to be prospecting application is : 1165.8 ha
Coordinates: (of the remaining extent of Gloucester 674)

A: -23027223 **S** 28.060606 **E**
B:-23.048549 **S** 28.053379 E
C: 23.041868 **S** 28.130278 **E**
D:-23.038769 **S** 28.131084 **E**

EA SITE SPECIFIC CONDITIONS

1. Protected plant species must not be removed (disturbed, cut and destroy their products which may not be possessed, collected, removed, transported, exported, donated, purchased or sold) unless the necessary permission is granted by the Department of Agriculture, Forestry and Fisheries (DAFF).

2. All development footprint areas and areas affected by the proposed development must remain as small as possible and must not encroach onto the surrounding sensitive areas and the associated buffer zones

3. An Integrated Water Use License (IWUL) must be obtained from the Department of Water and Sanitation (DWS) prior commencement of activity.

4. Wetland and riverine areas are to be considered as no go zones unless authorisation is obtained. Ensure that construction activities are outside the demarcated wetland area. No activity should be allowed to encroach on to wetland system.

ANNEXURE 1: REASONS FOR THE DECISION

1. Background

Wepex Trading (Pty) Ltd submitted an application for an EA for activities listed in the EIA Regulations and NEMWA Listed Activities.

NEMA: LISTED ACTIVITIES:

Listed activities on listing notice 1 of the EIA Regulations R. 983 of 2014 as:-

Activity 20 – "Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum resources Development Act, 2002 (Act No. 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of Mineral and Petroleum resources Development Act, 2002 (Act No. 28 of 2002).

Activity 27 – The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, expect where such clearance of indigenous vegetation is required for -

Wepex Trading (Pty) Ltd appointed Wadala Prospecting and Consulting (Pty) Ltd to undertake the Basic Assessment and Environmental Management Programme Report process as required by Regulation 19 of the EIA Regulations

2. Information considered in making the decision

In reaching its decision, the Department took, *inter alia,* the following into consideration -

a) The information contained in the application form received by the Department on 05th July 2016;
b) The information contained in the BAR received by the Department on 05th September 2016.
c) The objectives and requirements of the applicable and relevant legislation, policies and guidelines and the EIA Regulations of 2014;
d) Public Participation Process (PPP) attached on BAR and online;
e) Terrestrial Ecological Assessment Report attached on BAR and online
f) Heritage assessment report attached on BAR and online

3. Key factors considered in making the decision

All the information presented to the Department was taken into account upon the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance are set out below.

a. A sufficient Public Participation Process (PPP) was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations R 982 of 2014 for public involvement

b. The environmental impacts associated with the proposed activity will be addressed by the proposed mitigation measures outlined in the EMPr compiled by Roelien Henriette Oosthuizen of Wadala Prospecting and Consulting (Pty) Ltd

c. Terrestrial Ecological Assessment Report (Fauna and Flora) compiled by Boscia Ecology consulting indicates that the proposed prospecting activities are located in areas of indigenous vegetation that provide habitat for a rich assemblage of fauna and flora, several of which, are species conservation importance. The transformation of the site will also negatively affect the habitat connectivity of the immediate surrounding landscape, which impede fauna movement and dispersal.it is thus imperative that careful and diligent environmental planning and management be undertaken during all phases of the prospecting operations;

d. Heritage Impact assessment of August 2010; compiled by Dr A.C Van Vollenhoven (L.AKAD.SA.) and J .Pelser states that conservation management plan for on-going protection of unaffected graveyards and graves be included on the Environmental Management Plan for the mine. All graveyards and graves be considered to be of high significance and are protected by various laws. Legislation with regard to graves includes Section 36 of the National Heritage Resource Act (NHRA), 1999 (Act no. 25 of 1999) whenever graves are older than sixty years. None of the graves is furnished with a date which gives an accurate date when the deceased were buried. However, it seems as if all the graves may be older than sixty years of age. Consequently all graves should be treated as if they are sixty years old. Graveyards and graves mill be demarcated with

fences or with walls and should be fitted with access gates and regular monitoring will be implemented in every three months period.

e. Financial provision to the value of **R289, 166 .00** for operational and/or management of negative environmental impacts that will be resulted from these proposed prospecting activities submitted in a form of bank guarantee which was issued by Lombard Insurance Company Limited.

4. Findings

After consideration of the information and factors listed above, the Department made the following findings –

a) The potential impacts on the proposed site were clearly investigated and mitigation measures outlined.

b) Public Participation Process (PPP) attached in *BAR* included, *inter-alia*, the following:

- A newspaper advertisement was placed in the local newspaper;
- Notices were placed at the project site;
- Notices were sent to all key stakeholders and the registered interested and affected parties;
- Authorities meetings (attendance register and minutes of the meetings attached);
- No objection was received from the consulted interested and affected parties;

Public meetings were held on 11th August 2016, and comments and issues raised by interested and affected parties were adequately addressed.

ANNEXURE 2

DEPARTMENTAL STANDARD CONDITIONS

1. SCOPE OF AUTHORISATION

1.1. The holder of EA shall be responsible for ensuring compliance with the conditions contained in the EA. This includes any person acting on the holder's behalf, including but not limited to an agent, servant, contractor, subcontractor, employee, consultant or any person rendering a service to the holder of EA.

1.2. Any changes to, or deviation from the project description set out in this EA must be approved in writing by this Department before such changes or deviation may be effected. In assessing whether to grant such approval or not, the Department may request such information as is deems necessary to evaluate the significance and impacts of such changes or deviation and it may be necessary for the holder of the EA to apply for further authorisation in terms of the EIA Regulations.

1.3. The activities, which are authorised, may only be carried out at the property indicated in the EA and or on the approved EMPr.

1.4. Where any of the holder of the EA contact details change including name of the responsible person, physical or postal address/ or telephonic details, the holder of the EA must notify the Department as soon as the new details become known to the holder of the EA.

1.5. The EA does not negate the responsibility of the holder to comply with any other statutory requirements that may be applicable to the undertaking of such activities.

1.6. The holder of EA must ensure that all areas where the authorised activities occur have controlled access to ensure safety of people and animals.

2 APPEAL OF AUTHORISATION

2.1 The holder of EA must in writing, within 14 (fourteen) calendar days from the date of this decision and in accordance with EIA Regulation 4(2) do the following:

2.2 Notify all registered I&APs of –

2.2.1. The outcome of the application;
2.2.2. The date of the decision;
2.2.3. The date of issue of the decision and;
2.2.4. The reasons for the decision as included in Annexure 1 and Departmental Standard Conditions on Annexure 2.

2.3 Draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations,

2.4 Draw the attention of all registered I&APs to the manner in which they may access the decision.

2.5 Provide the registered I&APs with:

2.5.1. Name of the holder (entity) of this EA
2.5.2. Name of the responsible person for this EA
2.5.3. Postal address of the holder;
2.5.4. Telephonic and fax details of the holder and
2.5.5. E-mail address of the holder if any.

3. COMMENCEMENT OF THE ACTIVITY (IES)

3.1. In order to ensure safety, all employees must be given the necessary personnel protective equipment (PPE).

3.2. This EA must be provided to the site operator and the requirements thereof must be made fully known to him or her.

3.3. Hauling routes for construction vehicles and machinery must be clearly marked and appropriate signalling must be posted to that effect. Furthermore, movement of construction vehicles and machinery must be restricted to areas outside of the drainage line or wet areas.

3.4. Appropriate notification sign must be erected at the construction site, warning the public (residents, visitors etc.) about the hazard around the construction site and presence of heavy vehicles and machinery.

3.5. Construction must include design measures that allow surface and subsurface movement of water along the drainage lines so as not to impede natural surface and subsurface water flow, and drainage measures must promote the dissipation of storm water runoff.

3.6. Vegetation clearance must be limited areas where the individual activities will occur, and mitigation measures must be implemented to reduce the risk of erosion and alien species invasion.

DEPARTMENT OF MINERAL RESOURCES
PRIVATE BAG X6093
2017 -07- 0 3
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

3.7. The holder of EA must note that in terms of the National Forest Act (Act No.84 of 1998) protected plant species, must not be cut, disturbed, damaged, destroyed and their products must not be possessed, collected, removed, transported, exported; donated, purchased or sold unless permission is granted by the Department of Agriculture, Forestry and fisheries.

3.8. Construction areas (e.g. material lay down areas), topsoil and subsoil must be protected from contamination or pollution. Stockpiling must not take place in drainage lines or areas where it will impede surface water runoff.

3.9. If any soil contamination is noted at any phase of the proposed activities the contaminated soil must be removed to a licensed waste disposal facility and the site must be rehabilitated to the satisfaction of the Department and Department of Water and Sanitation. The opportunity for the onsite remediation and re-use of contaminated soil must be investigated prior to the disposal and this Department must be informed in this regard.

3.10. An integrated waste management approach must be implemented that is based on waste minimization and must incorporate avoidance, reduction, recycling, treat, reuse and disposal where appropriate. Uncontaminated rubble generated on the premises can be re-used as back filling material on site. Ensure that no refuse or rubble generated on the premises is placed, dumped or deposited on the adjacent properties or public places and open space.

3.11. In terms of sections 28 and 30 of NEMA, and sections 19 and 20 of the National Water Act, 1998 (Act No. 36 of 1998), any costs incurred to remedy environmental damage must be borne by the person responsible for the damage. It is therefore imperative that the holder of the EA reads through and understand the legislative requirements pertaining to the project. It is the Applicant's responsibility to take reasonable measures which include informing and educating contractors and employees about environmental risks of their work and training them to operate in an environmentally acceptable manner.

3.12. Construction vehicle must be serviced and maintained in the manner whereby no excessive smokes and noise production is reduced to acceptable levels, and to prevent oil leaks. Contaminated soil must be remediated on site or removed to an authorized landfill site.

DEPARTMENT OF MINERAL RESOURCES
PRIVATE BAG X6093
KIMBERLEY 8300
2017 -07- 0 3
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

3.13. Residents (if any) on the property and surrounding areas must be informed if any unusually noisy activities are planned.

3.14. Dust suppression measures must be implemented on all exposed surface to minimize and control airborne dust.

3.15. Mixing of cement, concrete, paints, solvent, sealants and adhesive must be done in specified areas on concrete aprons or on protected plastic linings to contain spillage or overflow onto soil to avoid contamination of underground water and environmental damage.

3.16. The **protection of all historical and pre-historical cultural resources must remain on site and no mining activities are allowed within 100 diameters from those resources.** Should any heritage remains be exposed during operation or any actions on the site, these must immediately be reported to the

South African Heritage Resource Agency (SAHRA) and (in accordance with the applicable legislation). Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from the South African Heritage Resource Agency (SAHRA) .

Heritage remains include: archaeological remains (including fossil bones and fossil shells); coins; maddens, indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone articrafts and bone remains; structures and other built features; rock art and rock engravings; shipwrecks; and graves or unmarked human burials. A qualified archaeologist must be contracted where necessary (at the expense of the applicant and in consultation with the relevant authority) to remove any human remains in accordance with the requirements of the relevant authority.

DEPARTMENT OF MINERAL RESOURCES
NORTHERN CAPE
KIMBERLEY 8300
2017 -07- 03
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

3.17. Care must be taken to ensure that the material and excavated soil required for backfilling are free of contamination from hydrocarbons.

3.18. Hydraulic fluid or chemicals required during construction must be stored in a concrete lined surface with bund walls and shall be designed in such a manner that any spillage can be contained and reclaimed without any impact on the surrounding environment. Should any spills occur it should be cleaned immediately by removing spillage together with the polluted solids and dispose it in the authorised disposal site permitted of such waste. The regional office of the Department of Water and Sanitation must be notified within 24 hours of an incident that may pollute surface and underground water resources.

3.19. Chemical sanitation facilities or system such as toilets that do not rely on the seepage of liquids must be provided with a ratio of 1 for every 15 workers. These must be placed such that they prevent spills or leaks to the environment and must be maintained according to the operating instructions and the content thereof must be disposed of at an authorised waste water treatment works.

3.20. The holder of EA must ensure that any water uses listed in terms of Section 21 of National Water Act must get authorization from Department of Water and Sanitation prior to the commencement of such activities.

3.21. This EA does not purport to absolve the holder of EA from its common law obligations towards the owner of the surface of land affected.

3.22. The holder of EA must ensure that rehabilitation of the disturbed areas caused by operation at all times comply with the approved EMPr.

3.23. This EA may be amended or withdrawn at any stage for non-compliance and provides no relief from the provisions of any other relevant statutory or contractual obligations.

3.24. The holder of EA must note that in terms Section 43A of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008), residue deposit and residue deposit must be deposited and managed in a prescribed manner on any site demarcated for that purpose in the Environmental Management Plan or Environmental Management Programme. No person may temporary or permanently deposits residue stockpile or residue deposit on any area or site other than on site indicated on the Environmental Management Plan or Environmental Management Programme.

3.25. The holder of EA must note that in terms Section 20 of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008), no person may commence, undertake or conduct a waste management activity, except in accordance, with the requirements of norms and standards determined in terms of Section 19 (3) for that activity or a waste management licence is issued in respect of that activity if license is required.

3.26. An appeal under Section 43 (7)of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended) suspend an IEA or exemption or any provisions of conditions attached hereto, or any directive unless the Minister directs otherwise.

3.27. Should you be notified by the Minister of a suspension of the authorisation pending appeal procedure, you may not commence with the activities until such time that the Minister allows you to commence with such activities in writing.

3.28. The Department reserves the right to audit and/or inspect the activities without prior notification at any reasonable time and at such frequency as may be determined by the Regional Manager.

3.29. The waste storage site must have a firm, impermeable, chemical resistant floors and a roof to prevent direct sunlight and rain water from getting in contact with the waste.

3.30. The storage of hydrocarbons must have bund walls with adequate capacity to contain the maximum volume that is stored in the area. Uncontaminated storm water must be prevented from coming into contact with the waste and must be diverted away from the storage site.

3.31. Subject to the commencement and duration requirements of the MPRDA and NEMA for the listed mining activity is valid for the period for which the aforesaid right is granted provided that this activity must commence within 10 years. If the commencement of the proposed activity does not occur within the specified period, the EA lapses and a new application for EA in terms of the NEMA and the EIA Regulations should be made for the activity to be undertaken.

3.32. The commissioning and decommissioning of individual activity within the overall listed mining activity must take place within the phases and timeframes as set out in EMP or EMPr.

3.33. This EA will only be effective on the event that a corresponding right is issued in terms of MPRDA as amended and none of the activities listed in this EA may commence without right.

3.34. The listed activities, including site preparation, must not commence within 20 (twenty) calendar days of the date of the notification of the decision being sent to the registered I&APs. In the event that an appeal is lodged with the appeal administrator, the effect of this environmental authorisation is suspended until such time as the appeal is decided.

3.35. Should there be any conflicting conditions between this EA and other approval granted by other authorities, it is upon the holder of EA to bring it to the attention of the Department for resolution.

4. MANAGEMENT OF ACTIVITIES

4.1. A copy of the EA and EMPr must be kept at the property or on site office where the activities will be undertaken. The EA and EMPr must be produced to any authorised officials of the Department who request to see it and must be made available for inspection by any employee or agent of the holder of the EA who works or undertakes work at the properties.

4.2. The content of the EMPr and its objectives must be made known to all contractors, subcontractors, agent and any other people working on the site, and any updates or amendments to the EMPr must be submitted to the Department for approval.

4.3. Regular monitoring and maintenance of storm water drainage facilities must be conducted at all times, if damaged as directed by the Department or any other relevant authority.

4.4. A buffer zone of 100 metres between the activities and the residential areas, cemeteries or burial grounds must be clearly demarcated and maintained.

4.5. The holder of the EA must prevent nuisance conditions or health hazards, or the potential creation of nuisance conditions or health hazards.

4.6. The holder of the EA must ensure that all non-recyclable waste are disposed of at waste management facilities licensed to handle such wastes and all recyclable waste are collected by licenced waste management facilities for recycling, reuse or treatment.

4.7. The holder of the EA must ensure that all liquid wastes, whose emissions to water or land could cause pollution are diverted to sewer, after testing water quality and receiving written approval from the relevant local authority.

4.8. Non-compliance with any condition of this EA or EMPr may result in the issuing of a directive in terms of section 28 and or a compliance notice in terms of section 31L of NEMA.

4.9. This EA only authorizes activities specified in the EMPr /closure plan and a new authorisation must be applied for in respect of any new activity not specified as part of the EMPr.

4.10. Only listed activities that are expressly specified in the EMPr that forms part of this IEA may be conducted, and additional or new activities not specified herein must be applied for by the holder and authorised by the competent authority in the form of an amendment to the aforesaid EMPr before such activities may be commenced with. This condition is also applicable in the case of the amendment, addition, substitution, correction, and removal or updating of any detail in the aforesaid EMPr.

4.11. Rehabilitation of the disturbed surface caused by operation at all times must comply with the approved EMPr.

4.12. The Holder of EA must ensure that the name and contact details of the ECO is made available to the Regional Manager within 30 days of commencement.The holder of EA must also ensure that an ECO is always available on site to ensure that activities at all times comply with the issued EA and approved EMPr.

4.13. The ECO must:

4.13.1. Keep and maintain a detailed incidents register (including any spillages of fuels, chemicals or any other material

4.13.2. Keep a complaint register on site indicating the complaint and how the issues were addressed, what measures were taken and what the preventative measures were implemented to avoid re-occurrence of complaints.

4.13.3. Keep records relating to monitoring and auditing on site and avail them for inspection to any relevant authorised officials.

4.13.4. Keep copies of all environmental reports submitted to the Department.

4.13.5. Keep the records of all permits, licences and authorisations required by the operation.

4.13.6. Compile a monthly monitoring report and make it available to the Department if requested.

4.13.7. The duties and responsibility of the ECO should not be seen as exempting the holder of the EA from the legal obligations in terms of the NEMA

4.14. The footprint of the activities must be limited on the areas authorised for the actual construction works and operational activities and all areas outside of the footprint must be regarded as a "no go" areas.

4.15. Erosion and soil loss must be prevented by minimizing the construction site exposed to surface water run-off. Where necessary erosion stabilizing action such as gabions or re-vegetation must be implemented to prevent further habitat deterioration.

4.16. The holder of the EA must ensure that all personnel who work with hazardous waste are trained to deal with these potential hazardous situations so as to minimise the risk involved. Records of training and verification of competence must be kept by the holder EA.

4.17. In order to prevent nuisance conditions, the holder of the EA must ensure that all storage skips and bins are not overfilled.

5 REPORTING TO THE DEPARTMENT

5.1. The holder of EA must:

5.1.1. submit and Environmental Audit Report to this Department bi-annually and such report must be done by qualified Environmental Assessment Practitioner and must the audit report must specify whether conditions of this environmental authorization and EMPr/closure plan are adhered to;

5.1.2. identify and assess any new impacts and risks as a result of undertaking the activities, if applicable;

5.1.3. identify shortcomings in the EMPr/closure plan, if applicable;

5.1.4. identify the need, if any, for any changes to the management, avoidance and mitigation measures provided for in the EMPr/closure plan;

5.1.5. if applicable, specify that the corrective action/s taken for the previous audit's non-conformities, was adequate;

5.1.6. Specify the name of the auditor and

5.1.7. Be submitted by the holder to the competent authority within 30 days from the date on which the auditor finalised the audit.

5.2. Should any shortcomings in terms of Regulation 34(4) be identified, the holder must submit recommendation to amend the EMPr/closure plan in order to rectify any shortcomings identified with the aforementioned audit report.

5.3. Any complaint received from the I&AP during all phases of the operation must be attended to as soon as possible and addressed to the satisfaction of all concerned interested and affected parties.

5.4. The holder of the EA must annually assess the environmental liabilities of the operation by using the master rates in line with the applicable Consumer Price Index (CPI) at the time and address the shortfall on the financial provision submitted in terms of section 24P of NEMA.

DEPARTMENT OF MINERAL RESOURCES
PRIVATE BAG X6093
KIMBERLEY 8300
2017-07-03
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

5.5. The holder of the EA must, within 24 hours of incidents occurring, notify the Competent Authority of the occurrence or detection of any incident on the site, or incidental to the operation of the site, which has the potential to cause, or has caused pollution of the environment, health risks, nuisance conditions or water pollution.

5.6. The holder of the EA must, within 14 days, or a shorter period of time, if specified by the Competent Authority from the occurrence or detection of any incident referred to in condition 5.5, submit an action plan, which must include a detailed time schedule, and resource allocation signed off by top management, to the satisfaction of the Competent Authority of measures taken to –

5.6.1. Correct the impact resulting from the incident;

5.6.2. Prevent the incident from causing any further impact; and

5.6.3. Prevent a recurrence of a similar incident.

5.7. In the event that measures have not been implemented within 21 days of the incident referred to in condition 5.6, or measures which have been implemented are inadequate, the Competent Authority may implement the necessary measures at the cost of the holder of the EA.

6. SITE SECURITY AND ACCESS CONTROL

6.1. The holder of the EA must ensure effective access control on the site to reasonably prevent unauthorised entry. Signs indicating the risks involved in unauthorised entry must be displayed at each entrance.

6.2. Weather proof, durable and legible notices in at least three official languages applicable in the area must be displayed at each entrance to the Site. These notices must prohibit unauthorised entry and state the hours of operation, the name, address and telephone number of the holder of the EA and the person responsible for the operation of the site.

DEPARTMENT OF MINERAL RESOURCES
PRIVATE BAG X6093
KIMBERLEY 8300
2017 -07- 0 3
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

7. EMERGENCY PREPAREDNESS PLAN

7.1. The holder of the EA must maintain and implement an emergency preparedness plan and review it biennially when conducting audit and after each emergency and or major accident. The plan must, amongst others, include:

7.1.1. Site Fire

7.1.2. Spillage

7.1.3. Natural disasters such as floods

7.1.4. Industrial action

7.1.5. Contact details of police, ambulances and any emergency centre closer to the site.

7.2. The holder of EA must ensure that an up to date emergency register is kept during all phases of the operation. This register must be made available upon request by the department.

8. INVESTIGATIONS

8.1. If, in the opinion of the Competent Authority, nuisances or health risks may be or is occurring on the site, the holder of the EA must initiate an investigation into the cause of the problem or suspected problem.

8.2. If, in the opinion of the Competent Authority, pollution may be or is occurring, the holder of the EA must initiate an investigation into the cause of the problem or suspected problem. Such investigation must include the monitoring of the water quality variables, at those monitoring points and such frequency as may be specified by the Competent Authority.

8.3. Investigations carried out in terms of conditions 8.1 and 8.2 above must include the monitoring of the relevant environmental pollution, nuisance and health risk variables, at those monitoring points and such frequency to be determined in consultation with the Competent Authority.

8.4. Should the investigation carried out as per conditions 8.1 and 8.2 above reveal any unacceptable levels of pollution, the holder of the EA must submit mitigation measures to the satisfaction of the Competent Authority.

9. COMMISSIONING AND DECOMMISSIONING

9.1. The commissioning and decommissioning of individual activity within the overall listed mining activity must take place within the phases and timeframes as set out in EMP or EMPr.

10. SITE CLOSURE

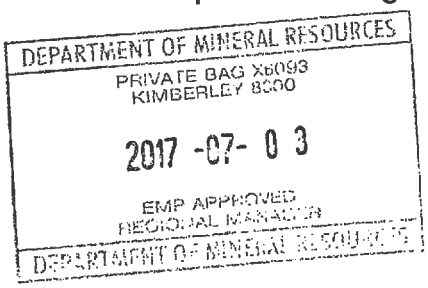
10.1. The holder of EA must apply for a closure certificate in terms of Section 43 of Mineral and Petroleum Resources Development Act (Act 28 of 2002), as

amended within 180 days of occurrence of lapsing, abandonment, cancellation, cessation, relinquishment and completion of development.

10.2. The application for closure indicated above must be submitted together with all relevant documents as indicated in Section 43 of Mineral and Petroleum Resources Development Act (Act 28 of 2002), as amended.

10.3. No exotic plants may be used for rehabilitation purposes only indigenous plant can be utilized for rehabilitation purposes.

10.4. The holder of EA remains responsible for any environmental liability, pollution or ecological degradation, the pumping and treatment of extraneous water, compliance with the conditions of EA and the management and sustainable closure thereof until the Minister has issued a Closure Certificate in terms of Section 43 of Mineral and Petroleum Resources Development Act (Act 28 of 2002). Where necessary the Minister may retain certain portion of financial provision for residual, health or environmental impacts that might be known in future.



11. NEMA PRINCIPLES

The NEMA Principles (set out in Section 2 of NEMA, which apply to the actions of all Organs of State, serve as guidelines by reference to which any Organ of State must exercise any function when taking any decision, and which must guide the interpretation, administration and implementation of any other law concerned with the protection or management of the environment), *inter alia*, provides for:

- the effects of decisions on all aspects of the environment to be taken into account;
- the consideration, assessment and evaluation of the social, economic and environmental impacts of activities (disadvantages and benefits), and for decisions to be appropriate in the light of such consideration and assessment;
- the co-ordination and harmonisation of policies, legislation and actions relating to the environment;

- the resolving of actual or potential conflicts of interest between Organs of State through conflict resolution procedures; and
- the selection of the best practicable environmental option.

12. DISCLAIMER

The Department of Mineral Resources in terms of the conditions of this environmental authorisation shall not be responsible for any damages or losses suffered by the holder, developer or his/her successor in any instance where construction or operation subsequent to construction is temporarily or permanently stopped for reasons of non-compliance with the conditions as set out herein or any other subsequent document or legal action emanating from this decision.

13. RECOMMENDATIONS

In view of the above, the NEMA principles, compliance with the conditions stipulated in this EA, and compliance with the EMPr/closure plan, the competent authority is satisfied that the proposed listed activities will not conflict with the general objectives of Integrated Environmental Management stipulated in Chapter 5 of NEMA, and that any potentially detrimental environmental impacts resulting from the listed activities can be mitigated to acceptable levels. **The authorisation is accordingly granted**.

Your interest in the future of our environment is appreciated.

Kind Regards

DEPARTMENT OF MINERAL RESOURCES
PRIVATE BAG X6093
KIMBERLEY 8300
2017 -07- 0 3
EMP APPROVED
REGIONAL MANAGER
DEPARTMENT OF MINERAL RESOURCES

.....

REGIONAL MANAGER: MINERAL REGULATION

NORTHERN CAPE REGIONAL OFFICE

DATE.....24/02/2017.....

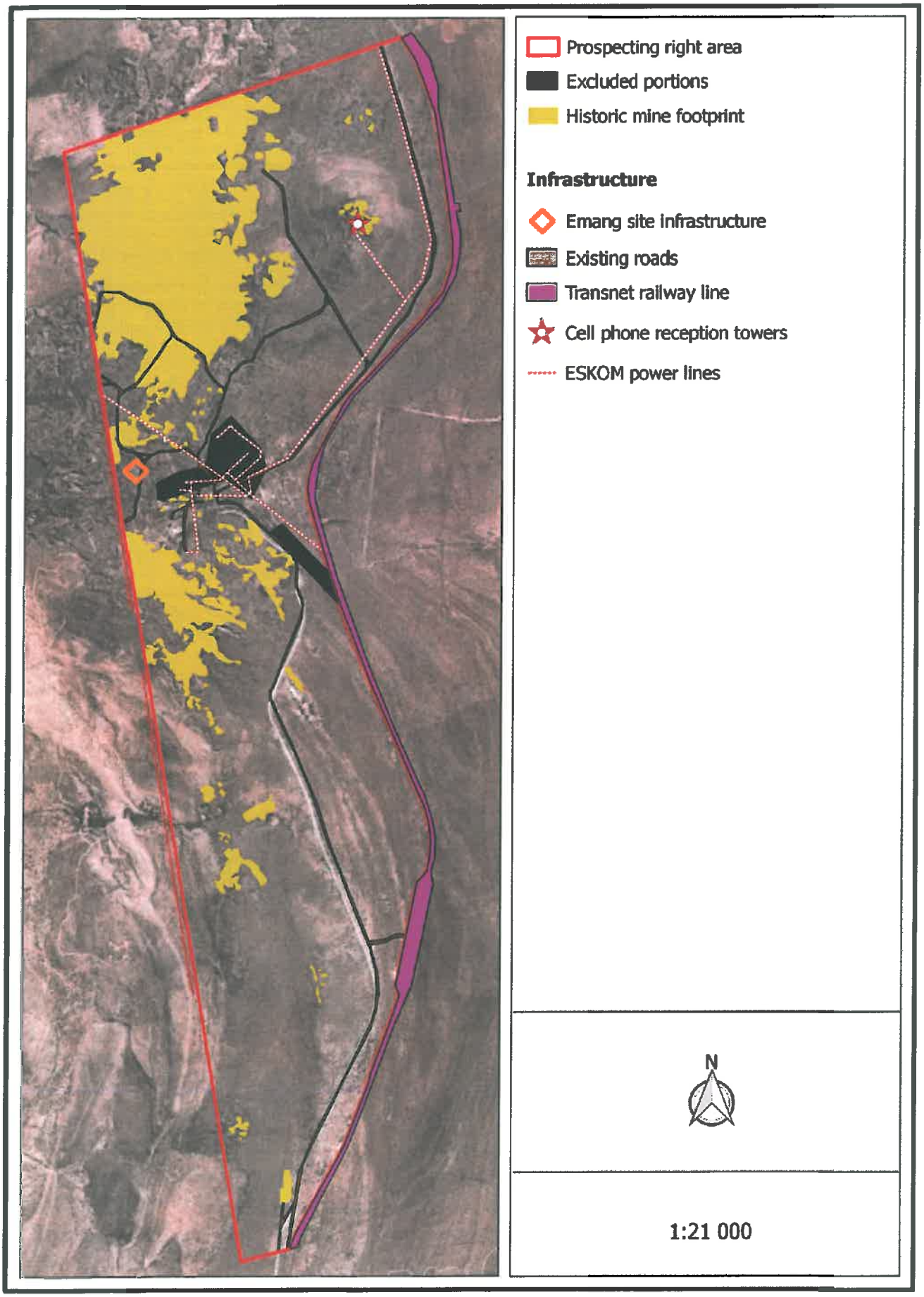
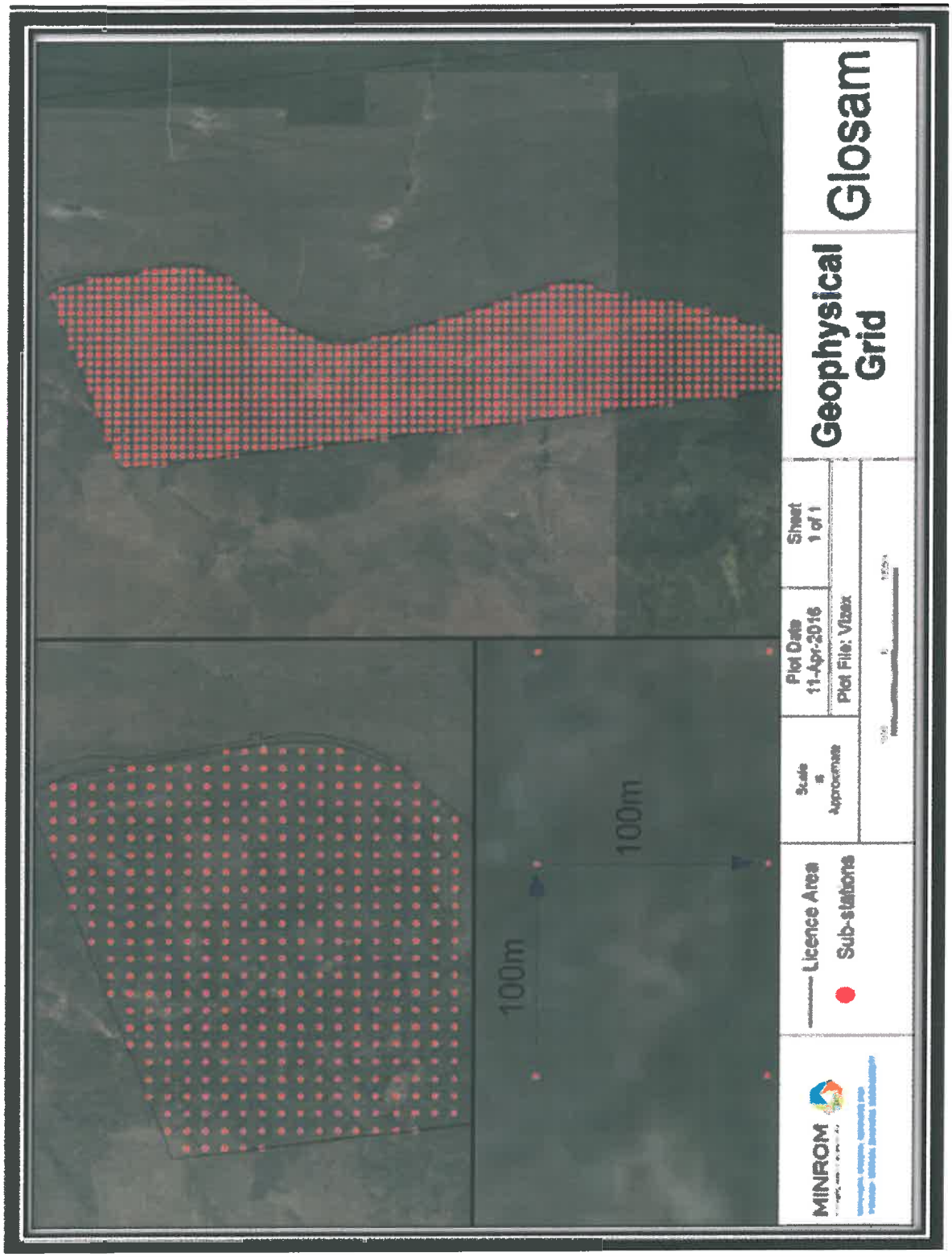


Figure 2: Mine APPLICATION AREA

APPENDIX 4 SITE PLAN LOCATION OF ALL ACTIVITIES TO BE APPLIED FOR

Figure 3: Geophysical Grid Plan



Hole ID	EAST	NORTH	Elevation	Depth (m)
GLDD01	700596,3	6893055	1402,114	100
GLDD02	700718,3	6893100	1399,823	50
GLDD03	700843,3	6893117	1396,853	50
GLDD04	701352,3	6894210	1384,34	50
GLDD05	701402,9	6893913	1388,652	50
GLDD06	701385,1	6893573	1380,41	50
GLDD07	701156,7	6894928	1369,16	50
GLDD08	700440,8	6892977	1405,475	50
GLDD09	700029,2	6893126	1437,038	50
GLDD10	699970,3	6893020	1438,933	100
GLDD11	699889,6	6892913	1444,832	50
GLDD12	699805,1	6893707	1439,134	100
GLDD13	699680,1	6893742	1426,104	100
GLDD14	699530,2	6893881	1400,609	100
GLDD15	699858,2	6893797	1439,09	50
GLDD16	699743	6893622	1434,091	50
GLDD17	699616,8	6893677	1419,929	50
GLDD18	699728,3	6893827	1426,751	50
GLDD19	699532,2	6894039	1390,784	50
GLDD20	699518,8	6893734	1408,01	50
GLDD21	699584,8	6893429	1408,55	50
GLDD22	699676,7	6893537	1425,901	100
GLDD23	699696,8	6892935	1418,492	100
GLDD24	699887,7	6894605	1443,593	50
GLDD25	699788,9	6894331	1427,275	100
GLDD26	699700,2	6892714	1443,469	50
GLDD27	699701,5	6892471	1444,416	100
GLDD28	699778,3	6891292	1453,044	50
GLDD29	699944,4	6891139	1464,635	100
GLDD30	700115	6891005	1441,731	50