

BASIC ASSESSMENT REPORT AND ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT**MINING PERMIT OF THE GRANITE IN MBUZINI VILLAGE, SITUATED WITHIN
THE MAGISTERIAL DISTRICT OF NKOMAZI, MPUMALANGA PROVINCE****Prepared For:****ELISPEC MINING (PTY) LTD****Competent Authority:****Department of Minerals and
Resources**

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DRAFT REPORT



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

BASIC ASSESSMENT REPORT
And
ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

SUBMITTED FOR ENVIRONMENTAL AUTHORIZATION IN TERMS OF THE NATIONAL ENVIRONMENTAL 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).

NAME OF APPLICANTS : ELISPEC MINING (PTY) LTD
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FILE REFERENCE NUMBER SAMRAD: MP 30/5/1/3/2/12096MP

IMPORTANT NOTICE

In terms of the Mineral and Petroleum Resources Development Act (Act 29 of 2002) as amended), the Minister must grant a prospecting or mining right if among others the mining “will not result in unacceptable pollution, ecological degradation or damage to the environment”.

Unless an Environmental Authorisation can be granted following the evaluation of an Environmental Impact Assessment and an Environmental Management Programme report in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA), it can be concluded that the said activities will not result in unacceptable pollution, ecological degradation or damage to the environment.

In terms of section 16(3) (b) of the EIA Regulations, 2014, any report submitted as part of an application must be prepared in a format that may be determined by the Competent Authority and in terms of section 17(1)(c) the competent Authority must check whether the application has taken into account any minimum requirements applicable or instructions or guidance provided by the competent authority to the submission of applications.

It is therefore an instruction that the prescribed reports required in respect of applications for an environmental authorisation for listed activities triggered by an application for a right or a permit are submitted in the exact format of, and provide all the information required in terms of, this template. Furthermore, please be advised that failure to submit the information required in the format provided in this template will be regarded as a failure to meet the requirements of the Regulation and will lead to the Environmental Authorisation being refused.

It is furthermore an instruction that the Environmental Assessment Practitioner must process and interpret his/her research and analysis and use the findings thereof to compile the information required herein. (Unprocessed supporting information may be attached as appendices). The EAP must ensure that the information required is placed correctly in the relevant sections of the Report, in the order, and under the provided headings as set out below, and ensure that the report is not cluttered with un-interpreted information and that it unambiguously represents the interpretation of the applicant.

Objective of the basic assessment process

The objective of the basic assessment process is to, through a consultative process–

- (a) determine the policy and legislative context within which the proposed activity is located and how the activity complies with and responds to the policy and legislative context;
- (b) identify the alternatives considered, including the activity, location, and technology alternatives;
- (c) describe the need and desirability of the proposed alternatives,
- (d) through the undertaking of an impact and risk assessment process inclusive of cumulative impacts which focused on determining the geographical, physical, biological, social, economic, heritage, and cultural sensitivity of the sites and locations within sites and the risk of impact of the proposed activity and technology alternatives on the these aspects to determine:
 - (i) the nature, signification, consequence, extent, duration, and probability of the impacts occurring to; and
 - (ii) the degree to which these impacts –
 - (aa) can be reversed;
 - (bb) may cause irreplaceable loss of resources; and
 - (cc) can be managed, avoided or mitigated;
- (e) through a ranking of the site sensitivities and possible impacts the activity and technology alternatives will impose on the sites and location identified through the life of the activity to –
 - (i) Identify and motivate a preferred site, activity and technology alternative;
 - (ii) Identify suitable measures to manage, avoid or mitigate identified impacts; and
 - (iii) Identify residual risks that need to be managed and monitored.

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PART A
SCOPE OF ASSESSMENT AND BASIC ASSESSMENT REPORT

1) Contact Person and correspondence address

a) Details of the EAP

Name of the Practitioner : Singo Consulting (Pty) Limited
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Fax : +27 86 5144 103
E-mail address : kenneth@singoconsulting.co.za

b) Expertise of the EAP

Please refer to Annexure B for the EAP's qualifications and Curriculum Vitae.

Education

PhD Environmental Geology, MSc Environmental Management, BSc (Hons) Mining & Environmental Geology.

Professional Affiliations

Mr NK (Kenneth) Singo is a registered competent person with the South African Council of Natural Science Professions (SACNASP: Earth Science Reg. No: 400069/16), Geological Society of South Africa (GSSA), the Land Rehabilitation Society of Southern Africa (LaRSSA) and South African Affiliates of the International Association for Impact Assessment. Kenneth holds an MSc in Environmental Management (University of South Africa (UNISA)) and a BSc (Hons) in Mining and Environmental Geology (the University of Venda). He is a final year Ph.D. (Geology, Applied Environmental Mineralogy and Geochemistry) candidate at the University of Johannesburg.

Kenneth has knowledge of Mine Water and Mine Environmental Management (acid mine drainage, heavy metal assessments and tailings management) in various commodities including Coal, gold, magnesite and base metals (Cu, Pb, Zn). In addition, he has extensive knowledge of defunct mining waste and waste water impact assessments in communities in the vicinity of those mines (knowledge gained during his MSc study). Kenneth has sound knowledge of risk assessment, both in terms of human health and the environment. He is experienced in the appraisal of potential constraints, as well as devising means of mitigation through remedial strategy development, feasibility and validation.

During his PhD studies, Kenneth learned how to operate in contaminated lands. His PhD largely focuses on disused mines (gold, copper and magnesite) ranging from Phase I and Phase II investigations to development of remedial strategies (i.e. Phase III). Through his PhD, he has gained an understanding of waste classification, profiling and understanding of the implications associated with waste management, landfill disposal profiling and beneficiation strategy development.

2) EAP's experience in carrying out Environmental Impact Assessments (EIAs)

See an attached CV in Appendix

c) Location of the overall Activity.

Farm name			
Application area (ha)	5 ha		
Magisterial district	Nkomazi		
Distance and direction from nearest town	Settlement	Distance (km)	Direction
	Mbuzini	1.24	West
	Mpanganeni	1.84	East
	Thambokhulu	2.29	North East
Mananga	8.29	North East	
21-digit Surveyor General Code for each farm portion	TOJU0000000007010000		

d) Locality map

(Show nearest town, scale not smaller than 1:250000).

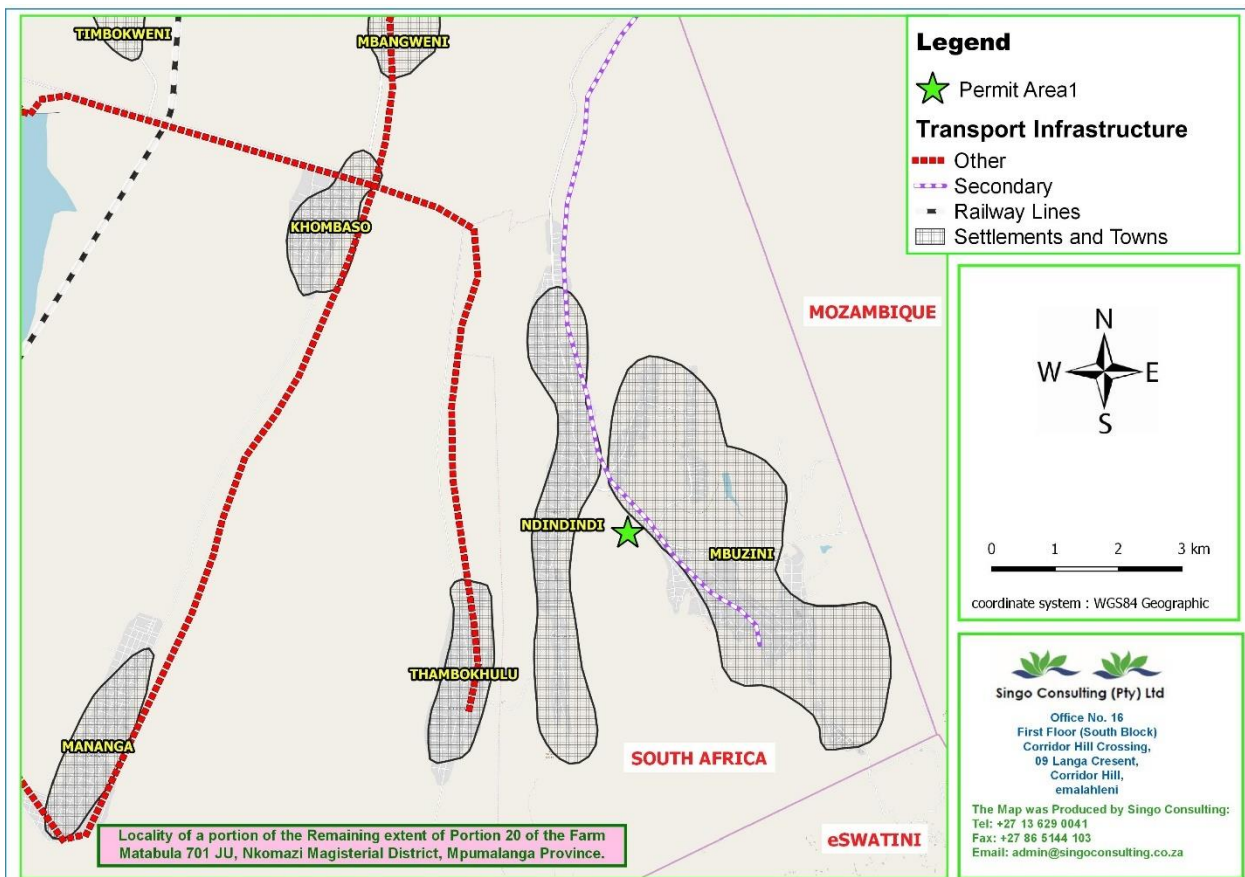


Figure 1: Locality map with the area of mining permit and settlement around the applied permit

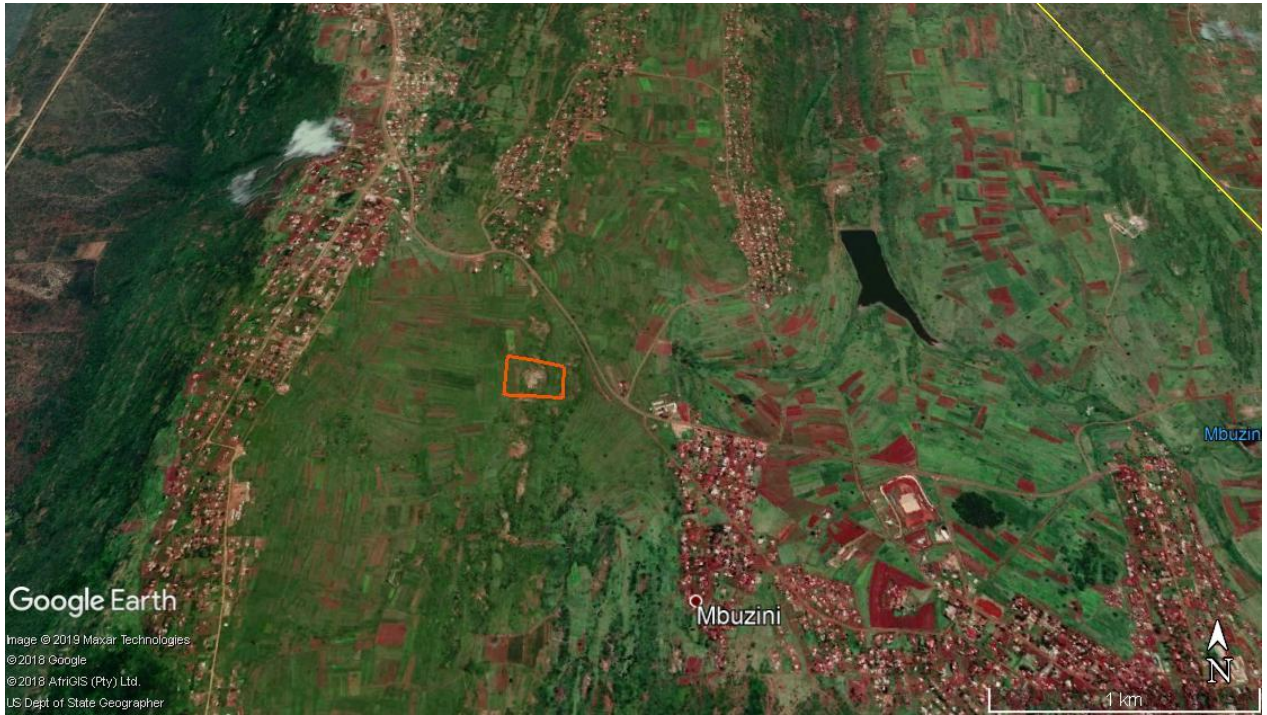


Figure 2: The exact location of the proposed mining area (see Appendix A)

e) Description of the scope of the proposed overall activity.

Provide a plan drawn to a scale acceptable to the competent authority but not less than 1:10 000 that shows the location, and area (hectares) of all aforesaid main and listed activities, and infrastructure to be placed on site.

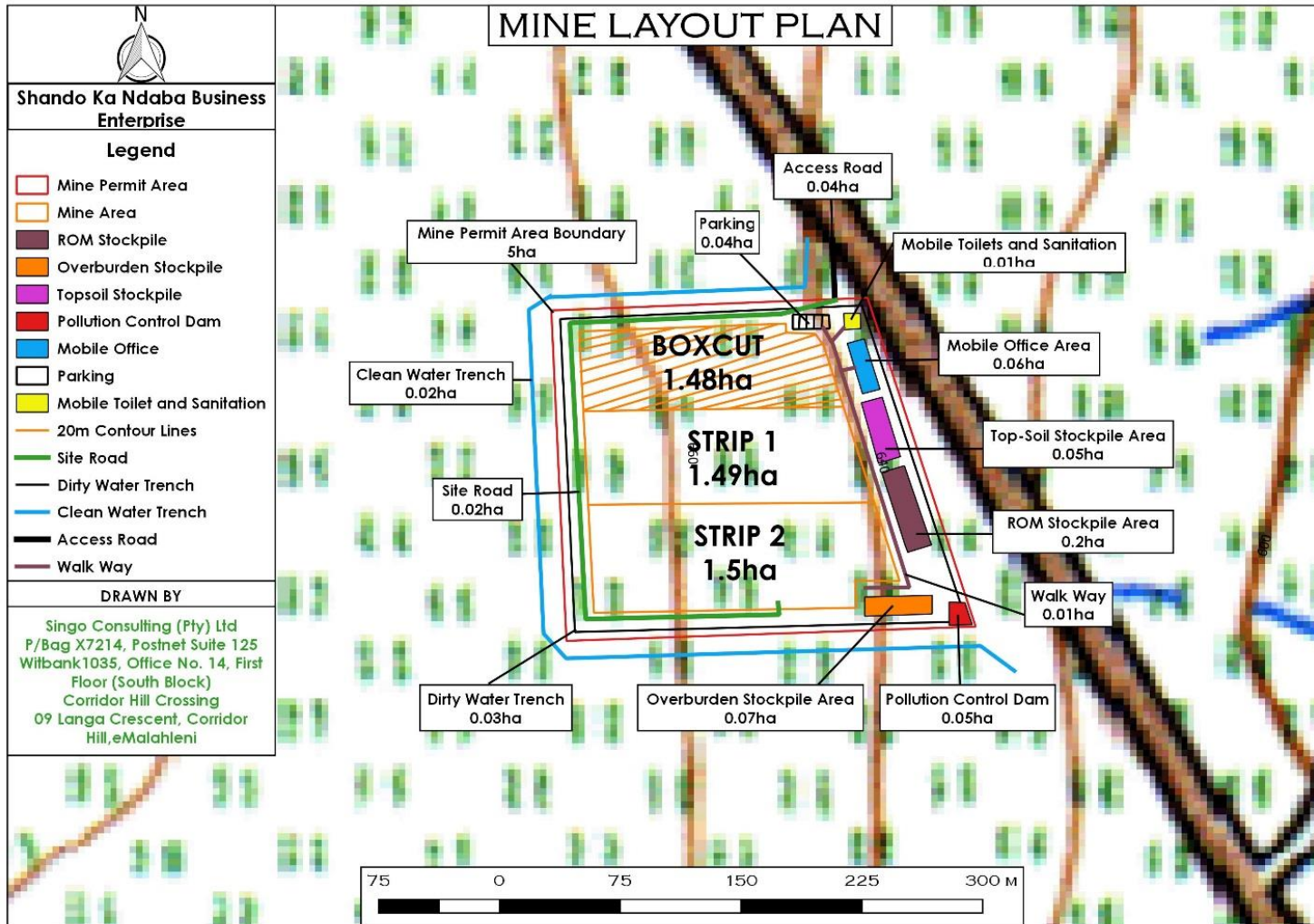


Figure 3: Infrastructure plan

The mining method proposed involves open cast extraction of granite from a quarry pit that has not previously operated. A rock will be blasted at the mine face by means of explosives in order to loosen the hard rock when necessary; the material will then be loaded into large trucks with excavators and transported to the mobile crusher. The crusher will break down the granite into pieces small enough to be transported. The granite will then be stockpiled and transported to clients via trucks and trailers. All activities will be contained within the boundaries of the mining site.

(i) Listed and specified activities

NAME OF ACTIVITY (E.g. For prospecting – drill site, site camp, ablution facilities, accommodation, equipment storage, sample storage, site office, access route etc.... E.g. for mining – 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.)	Aerial extent of the activity Ha or m²	LISTED ACTIVITY Mark with an X where applicable or affected	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 OR GNR 546)
Quarry mining for granite	5 ha	X	GNR 983 Listing Notice 1 Activity 21: Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (act No. 28 of 2002), including associated infrastructure, structures and earthworks directly related to the extraction of a mineral
			resource, including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)

<p>Quarry mining for granite.</p>	<p>5 ha</p>	<p>X</p>	<p>GNR 983 Listing Notice 1 Activity 22: The decommissioning of any activity requiring a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)</p>
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(ii) Description of the activities to be undertaken

(Describe Methodology or technology to be employed, including the type of commodity to the prospected/mined and for a linear activity, a description of the rout of the activity)

The proposed mining site will entail the establishment of granite quarry by ELISPEC MINING (PTY) LTD on 5 ha area in Mbuzini village, situated within the Magisterial District of Nkomazi in Mpumalanga.

The proposed quarry triggers GNR 983 Listing Notice 1 Activities 21as:

- Activity 21: the project requires a mining permit in terms of the MPRDA,

ELISPEC MINING (PTY) LTD intends to fragment the hard rock by blasting, upon which it will be mechanically recovered with drilling-, excavating- and earth-moving equipment. A mobile crushing and screening plant will be present at the mining area. The rock that is recovered from the quarry, after the blast, will be loaded on a large truck and transported to the crusher plant where it will be crushed and screened to various sized granite. Transportation of the final product will be from the stockpile area to the client by means of trucks.

Site Establishment / Construction phase:

During the site establishment phase the applicant have to demarcate the boundaries of the site and clear the topsoil and overburden from the extension area to open it for drilling and blasting. Upon stripping, the topsoil and overburden will be stockpiled along the boundaries of the quarry pit to be used during the rehabilitation phase.

The applicant will introduce the mining equipment to the area during the site establishment phase. The equipment to be used on site will entail the following:

- Weigh bridge
- Mobile Crusher Plant
- Mobile chemical Toilet
- Drilling and blast equipment
- Excavating equipment e.g TLB, Front loader etc

Operational phase:

The quarrying process includes drilling to set charges; detonation; loading and short haul; and stockpiling. The mining will be conducted by blasting benches from the rock face of the quarry face. Blasting is anticipated to occur twice a week. The noise caused by blasting will be instantaneous and of short duration. The applicant should ensure that all surrounding residents are informed of each blasting event. After a blast the larger rocks will be broken into smaller pieces by hydraulic hammer. The manageable pieces will then be transported by tipper trucks to the crusher plant. The rocks are run through the crushers to produce the end product, in various grades of stone dependent on the market.

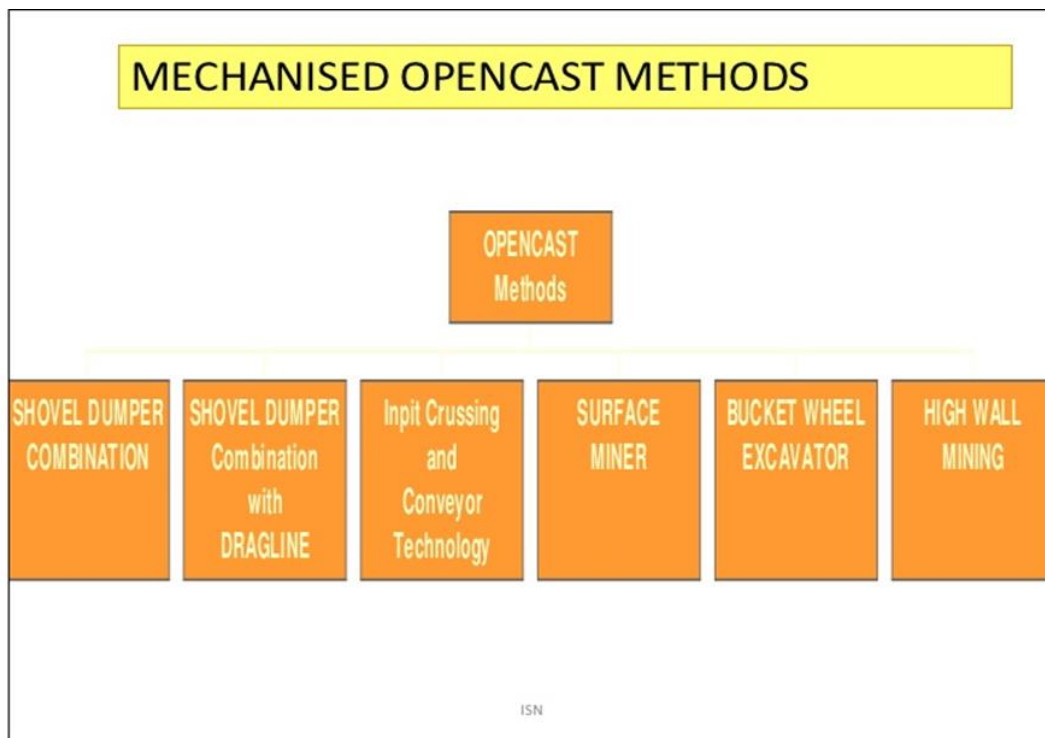


Figure 4: Schematic illustration of open cast mine operations

The mining activities will consist of the following:

- Blasting
- Excavating
- Crushing
- Stockpiling and Transporting
- Site access road
- Mobile chemical toilets and Sanitation

The machinery used in the operation will be serviced at the applicants existing off-site workshop. Only emergency repairs will be conducted on site with regular maintenance of the equipment done at the

above mentioned workshop. The mining site will not require the storage of large quantities of diesel as this is already available at the applicant's workshop area. Fuelling of tracked vehicles has to be done in the quarry due to logistical reasons.

A mobile chemical toilet will be established on site to be used by the employees. The existing village road will be used to access the mining area.

Decommissioning phase:

The closure objectives are for the quarry space to be created safe and therefore the remainder of the location to be came back to agricultural use. Control of weeds and alien invasive plant species is an important aspect after rehabilitation complete and seeding (if applicable) has been done in an area. Site management will implement an alien invasive plant management plan during the 12 months aftercare period to address germination of problem plants in the area.

The decommissioning activities will consist of the following:

- Cleaning of the area
- Removing all mining equipment from the site
- Implementation of an alien invader plant management plan

f) Policy and Legislative Context

APPLICABLE LEGISLATION AND GUIDELINES USED TO COMPILE THE REPORT (a description of the policy and legislative context within which the development is proposed including an identification of all legislation, policies, plans, guidelines, spatial tools, municipal development planning frameworks and instruments that are applicable to this activity and are to be considered in the assessment process)	REFERENCE WHERE APPLIED	HOW DOES THIS DEVELOPMENT COMPLY AND RESPOND TO THE LEGISLATION AND POLICY CONTEXT. (E.g. in terms of the National Water Act a Water Use License has/has not been applied for)
Mineral and Petroleum Resources Development Act, 2002, (Act No. 28 of 2002)	Application for a mining permit Ref Nr: MP 30/5/1/3/2/12096MP	Section 27
National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014	Application for environmental authorisation Ref Nr: MP 30/5/1/3/2/12096MP	GNR 983 Listing Notice 1 Activity 21
National Environmental Management Act: Biodiversity Act, 2004 (Act No. 10 of 2004) and amendments	Biophysical Environment	No aspects of the project could be identified that triggers the NEMA:BA
Mine Health and Safety Act, 1996 (Act No 29 of 1996)	The mitigation measures proposed for the site includes specifications of the MHSA	The operational phase of the mine will trigger the MHSA
National Heritage Resources Act No 25 of 1999	Cultural and Heritage Environment	No aspects of the project could be identified that triggers the NHRA.

g) Need and desirability of the proposed activities.

(Describe Methodology or technology to be employed, including the type of commodity to the prospected/mined and for a linear activity, a description of the rout of the activity)

The Mpumalanga government has proposed railway line from Lothair area to Swaziland that will require large amount of ballast material. The increase of building(RDP building), construction and road maintenance projects especial national road N4 and other surrounding community of the proposed quarry triggered the need of the applicant to establish the quarry in Mbusini village, in order to trade with the available Granite. Mining of the proposed quarry will also contribute to the diversification of activities on the property.

h) Motivation for the overall preferred site, activities and technology alternative.

The proposed site earmarked for the winning of the granite will entail the quarry pit. The proposed site was identified as the preferred alternative due to the following reasons:

- Very little natural vegetation needs to be disturbed in order to establish the quarry as most of the area has been bare land without resident nor agricultural activities.
- The mining area can be reached by an existing village road from the provincial road bordering the property. No new road infrastructure needs to be constructed, only existing access road need to be upgraded.
- The mining of the quarry has been identified as the most effective method to produce the desired granite. Due to the remote location of the quarry the potential impacts on the surrounding environment, associated with quarry mining, is deemed to be of low significance.
- The general waste produced on-site will be contained in sealed refuse bins to be transported to the local municipal landfill site.
- As maintenance and servicing of the equipment will be done at an off-site due to less space with the property.
- Contaminated soil will be removed to the depth of the spillage and contained in sealed bins until removed from site by a hazardous waste handling contractor to be disposed of at a registered hazardous waste handling site.

i) Full description of the process followed to reach the proposed preferred alternatives within the site.

NB!! – This section is about the determination of the specific site layout and the location of infrastructure and activities on site, having taken into consideration the issues raised by interested and affected parties, and the consideration of alternatives to the initially proposed site layout.

Details of the development footprint alternatives have been considered. With reference to the site plan provided in Appendix A and the location of the individual activities on site, provide details of the alternatives considered with respect to:

- ❖ The property on which, or the location where it is proposed to undertake the activity in Mbuzini village, was the only property alternative considered.

i. Activity to be undertaken

Granite mining (Quarry)

ii. Activity design or layout

For this project, quarry mining is proposed. The conventional truck and excavator method will be used in conjunction with single-direction roll-over techniques. Suitable development applied to mining works includes the rehabilitation of the mining area to as close as reasonably possible to its pre-mining state. The primary procedure that will be implemented during the mining process includes:

- ❖ Digging trenches around the mining area.
- ❖ Building an outside perimeter berm.
- ❖ Building a flat ramp for water browser.
- ❖ Constructing
- ❖ Drilling and blasting.
- ❖ Loading, hauling and crushing.
- ❖ Cleaning the area by means of removing scraps and other waste materials.

iii. Technology to be used in the activity

The quarrying method will be considered to maximise Granite extraction by means of blasting method. As part of the mining method truck, excavator and crusher will be used during operations. Dumper will be used to transport fragmented materials to the plant are for processing. Final product will be transported trucks to the market. These technologies are standard practice for quarry cooperation.

iv. Operational aspects of the activity.

The current mining programme submitted to the Department of Mineral Resources (DMR) will be implemented upon the granting of the mining. As part of the public participation process, Interested and affected parties will be notified of the mining programme to ensure a cooperative and satisfactory working relationship.

v. The option of not implementing the activity

Should the proposed mining operation not be authorised, it is anticipated that there will be no Granite production, which can lead to a shortage in Granite in industries that utilize Granite. This, in turn will have a negative impact on these industries, and ultimately on the economy.

j) Details of the development footprint alternatives considered.

With reference to the site plan provided as Appendix A and the location of the individual activities on site, provide details of the alternatives considered with respect to:

- (a) the property on which or location where it is proposed to undertake the activity;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;

- (d) The technology to be used in the activity; (e) the operational aspects of the activity; and (f) the option of not implementing the activity.

ELISPEC MINING (PTY) LTD identified the need for granite in the area due to a growth in building, structure and route maintenance. As mentioned earlier the quarry has not been previously used for mining function . In this light the applicant identified the proposed area as preferred and only viable site option . The establishment of quarry in an outcrop rock site on the property is believed to have a higher significance without the need or motivation to justify it. Various project alternative was considered during the planning form of the project. These included the following:

a) Quarry method (Preferred Alternative) **vs** Underground Mining:

- The quarry mining method is used when deposits of commercially useful minerals or rock are found near the surface where the overburden is relatively thin or where the material is structurally unsuitable for tunnelling.
- Underground Mining is used where the mineral occurs deep below the surface and where the overburden is thick.
- Quarry mining has been identified as the most cost effective method to produce the desired granite as the desired rock is found near the surface with a narrow layer of overburden that needs to be removed.
- The geology of the hill area to be mined is also structurally unsuitable for tunnelling.
- The open cast mining method will not produce any residual waste that has to be disposed of. Due to the remote location of the quarry the potential impacts on the surrounding environment, associated with open cast mining, is deemed to be of low significance. It is proposed that all mining related infrastructure will be contained within the boundary of the mining area.

b) Temporary Infrastructure (Preferred Alternative) **vs** Permanent Infrastructure:

- The use of temporary infrastructure will entail the use of infrastructure and machinery that is either track-based or can be removed without difficulty. Temporary infrastructure to be used in the mining method will entail a mobile crusher plant, temporary weigh bridge and chemical toilet, with servicing of vehicles and equipment being done off-site at the existing workshop of the applicant. The off-site office will also be used for all administration purposes relating to the project.
- **Positive Aspects:** The positive aspects associated with the use of temporary infrastructure firstly enable the applicant to move the infrastructure within the boundaries of the mining area as mining of the mineral progresses, lessening the distance material has to be transported from the crusher plant to the stockpile area. Secondly the crusher plant and

other equipment can move out of the mining area, staying on the existing road, during a blast to prevent potential fly rock damage. Thirdly the decommissioning phase is facilitated as the removal of infrastructure from the mining area during the rehabilitation of the site is easy and highly effective.

- The use of permanent infrastructure will entail the construction of an office building with ablution facilities, installation of a septic tank to be connected to the ablution facilities, installation of a permanent weigh bridge and permanent crusher plant.
- The use of permanent infrastructure will increase the impact of the proposed project on the environment as it will entail the establishment of more structures, necessitate the use of concrete products on site in order to establish these infrastructure, lengthen the period required for rehabilitation as well as increase the rehabilitation amount as the permanent infrastructure will either have to be decommissioned or be maintained after the closure of the site.
- Due to the small size of the mining area the infrastructure may also be exposed to fly rock damage during blasting events.
- The construction of permanent infrastructure at the site will also increase the visual impact of the proposed project on the surrounding environment and additional mitigation measures will have to be implemented to address the impact.
- In the light of the above the use of temporary infrastructure is deemed to be the most viable preferred alternative.

3. Access onto Provincial Road (Preferred Alternative) **vs** Access onto National Road:

- Provincial Road: The existing access road of the farm connects to the provincial road passing on the northern side of the Mbuzini. It is proposed that this road be used by trucks transporting material from the quarry pit to the clients as it will prevent trucks having to turn from a farm entrance onto the local road thereby lessening the potential impact on traffic.
- National Road (N17): The turning of trucks transporting material from the mining area to clients onto the N17 is not considered here, since N4 is about 30 km. In order to minimise the impact, the activity may have on traffic it is proposed that this option not be implemented and the alternative provincial road (as mentioned above) be used as access road to and from the quarry pit.

4. No-go Alternative:

The no-go alternative entails no change to the position and is therefore a real alternative that needs to be considered. The granite to be mined at the site will be used for route and construction industries, if however the no-go alternative is implemented the applicant will not be able to expand the quarry , not being able to utilize the mineral present in the area. This

could have major impacts on facial expression such as transporting of material to construction site far off mining areas, cost effectiveness of material, impact on roads and road users due to long distance hauling of granite and loss of income to the Mbombela business area.

The no-go alternative was not deemed to be the preferred alternative as:

- The applicant will not be able to supply in the demand of road or construction contractors,
- The application, if approved, would allow the applicant to utilize the available granite as well as provide employment opportunities to local employees. Should the no-go alternative be followed these opportunities will be lost to the applicant, potential employees and clients.
- The applicant will not be able to diversify the income of the property,
- The existing quarry pit on the property could not be rehabilitated as it has been mined up to the permitted mining boundary and currently does not allow any space for benching.

(iii) Details of the Public Participation Process Followed

Describe the process undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. (Information to be provided to affected parties must include 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.

The stakeholders and I&AP's were informed of the project by means of I&AP comment/notification letters and emails that were sent directly to the contact persons as well as telephone calls and newspaper advertisement which was published on 16 August 2019 by Lowvelder Newspaper. A 30 days commenting period was allowed as well. The following stakeholders and I&AP's were contacted to obtain their comments:

Government Departments/Local Municipality Officials and Others that were engaged via emails and registered letters:

- Mpumalanga Tourism and Parks Agency
- Department of Land Restitution Commission
- Department of Rural Development and Land Reform
- Department of Water and Sanitation
- Department of Agriculture, Forestry and Fisheries
- Eskom
- Landowner: Inkosi Mlambo

Meeting with landowner (Inkosi Mlambo) was held on the 2nd of September 2019 in his royal house, where he gave singo consulting and the applicant a go ahead with the proposed project. At the

current moment the stakeholders are informed by means of newspaper, emails and phone. Figure 6 below is the Tear sheet of the proposed project which published on Friday 16 August 2019 by Lowvelder newspaper. Figure 7 is an advert tear sheet which was published on the 23 august 2019 due to comment received from I&AP complaining about the proposed project advert with no DMR Reference number.

Strelende note hoog en laag verlei iedere oor



Arise Janse van Rensburg

MBOMBELA - Een van die enigste plekke waar afkop op 'n leë noot as 'n sukses basken word, is die vokale afdeling van vanjaar se Nalepmis Eisteddfod. Die leë noot is gevolg deur 'n verskeidenheid middel- en hoë note en met heerlike melodie en melodie het die deelnemers Communito Kerk se dak behoortlik gely. Saterdag is verskeie genres op die verhoog te sien. Onder die bakwame oog van een van Suid-Afrika se gewildste operasie ligte musie-

sangeresse, Magdalena Minnaar, het die deelnemers puike prestasie.

"'n Liedjie sinding slegs wanneer die laaste noot speel. Jy loop nie van die verhoog af voor dit nie," het Minnaar Dinsdag tydens die klamfoensafdeling gesê. "Jy het dalk reeds die gehoor in die palm van jou hande gehad en dan draai jy jou rug op hulle."

Nogtans het sy hulle gegryps vir hul stemme en hoë punte toegeken.

Na afloop van die klamfoensafdeling het die skousake afdeling afgeskop.

Hier het Minnaar gesê sy het linkers seker hoë punte toegeken en dat dit een van die siesake rondes tot op datum was.

Vandag is die Laasveld se beste kore aan die beurt. Toegang vir toekenners is gratis en oud en jonk is welkom.

Kunstekrasie kan ook uitgaan na die eisteddfod se 40 jaar gala-aand wat op 19 September plaasvind.

Kina Roux, Mariska Taljaard, Magdalena Minnaar, Eselle Lekhufeni.

Volg die #nalsprullestede40 op lowvelder.co.za vir al die videos van die kunstefees, insluitend 'n mengelmoes oor die deelnemers aan die afdeling.

NOTICE OF PUBLIC PARTICIPATION FOR MINING PERMIT AND ENVIRONMENTAL AUTHORIZATION APPLICATION

Notice of the Mining Permit Application Process as per the Minerals and Petroleum Resources Development Act (Act 28 of 2002) with the **DMR Ref MP 30/5/1/3/2/1209&MP**, for the **ELISPEC MINING (PTY) LTD**.

Application for Mining Permit: **ELISPEC MINING (PTY) LTD** has applied for a Mining Permit together with Environmental Authorization for Granite Resources, on **Portion of Mbuzini Village**.

Registration as Interested & Affected Party: In terms of Regulations 42 & 43 of the EIA Regulations published in Government Notice No. 326 of 07 April 2017, the public is invited to register as interested and affected parties (I&APs); express interest, comment and participate in the Public Participation Process (PPP) respectively within 30-calendar days of publishing of this notice, until the **16th of September 2019**.

DBAR & BMPR Review: The draft BMPr reports will be available for review for a 30 days calendar period from Thursday, the **16th of September 2019** to Thursday the **17th of October 2019**. The report will be available on request, via Email from the respective EAP.

ENVIRONMENTAL ASSESSMENT PRACTITIONER


Singo Consulting (Pty) Ltd
Office No. 16, First Floor, Corridor Hill Crossing, 09 Langa Crescent, Corridor Hill, eMalahleni, 1035
Tell No.: +27 13 6920 041 Fax No.: +27 86 5144 103

CONTACT PERSON	
EAP Lihuwani Sigwadi 013 692 0041 / 076 6529 062 lihuwani@singoconsulting.co.za	Applicant Eliaz Moses Mqulu 082 0505 226/084 528 1447 info@tandatrading.co.za eliazmqulu@gmail.com


South African NATIONAL PARKS

MANAGEMENT OF THE FOOD AND BEVERAGE FACILITY AT THE SKUKUZA SAFARI LODGE IN THE KRUGER NATIONAL PARK

South African National Parks (SANParks) intends to form a public private partnership (PPP) whereby it grants a selected Private Party the rights to manage the Food and Beverage Facility at the Skukuza Safari Lodge in the Kruger National Park. The Food and Beverage Facility includes the Conference Catering required at the Nombolo Mdhuli Conference Centre. The opportunity will be for a 2-year term.

SANParks invites prospective parties to submit detailed bids in line with SANParks' mandate and objectives for this opportunity. Interested parties are required to obtain the Information Memorandum and Request for Proposal (RFP) document, setting out further details of the criteria and process to be followed, from the SANParks website under the Special Interest Groups Section and more specifically under the Tenders section: <http://www.sanparks.org>. Alternatively, information can be obtained by contacting the designated SANParks representative: **Ibraheem Dockrat**, Call Phone: 083-571-5176, Telephone: 012-426-5134 and E-mail: ibraheem.dockrat@sanparks.org.

All parties interested in participating in the process will be required to register their contact details with the designated SANParks representative. In addition and in order to inform parties on the viability of the opportunities, a due diligence site visit and a bidder's conference will be arranged as part of the tender process. Furthermore, in line with the PPPFA, as well as the Regulations, 2017, objective criteria will be applied for this bid.


Lowveld SPCA
The voice for animals
082-750-0087


REPORT ABUSE


Red Cross
084-000-6310
086-308-6180

Figure 6: Advert of the proposed project with DMR Reference(23/08/2019)

During the initial public participation phase responses received were from different stakeholders and all responses are recorded on the table below. To date no objections were received regarding the proposed project in Mbuzini village. The stakeholders and I&AP's will be notified of the availability of the Draft Basic Assessment Report for their perusal. A 30 days commenting period will be allowed for the perusal of the document upon which any comments received will be incorporated into the Final Basic Assessment Report to be submitted to DMR for approval. See attached as Appendix C proof that the stakeholders and I&AP's were contacted.





(iv) **Summary of issues raised by I&APs**



(Compile the table summarising comments and issues raised, and reaction to those responses)

Interested and Affected Parties		Date	Issues raised	EAPs response to issues as mandated by the applicant	Section and paragraph reference in this report where the issues and or response were incorporated.
List the name of persons consulted in this column, and		Comments Received(Call, Fax, emails)			
Mark with an X where those who must be consulted were in fact consulted					
AFFECTED PARTIES					
Landowner/s	X				
Inkosi Mlambo Tel: 072 111 7551 Email: inkhosimlamabo@gmail.com	X	26-08-2019	Information received from Induna the chief is very busy and is currently out of the country, was indicated no community meeting will be held until he come back.	Await availability of the chief	See appendix C for full consultation.
		02/09/2019	Meeting with the landowner (Inkosi Mlambo) held at his royal house where he gave singo consulting and the applicant a go ahead with the proposed project.	The minutes of the meeting were recorded, and attendance register was filled. During meeting pictures were not taken due to security and culture reasons	
Organs of state (Responsible for infrastructure that may be affected Roads Department, Eskom, Telkom, DWA, etc.)					
Eskom Email: wayleavesmou@eskom.co.za	X	15 August 2019	Consultation email sent to Eskom	N/A	See appendix C for full consultation.
Department of Agriculture Forestry and Fisheries(DAFF)					

<p>Kenneth Mavhunga Department of Agriculture Forestry and Fisheries(DAFF) Email: kennethmav@daff.gov.za</p> <p>Zinzile Mtotywa Limpopo/Mpumalanga Department of Agriculture, Forestry and Fisheries Tel: (013) 754 0761 Cell: 082 3177 581 Fax: (086) 628 7139 Web: www.daff.gov.za Email: ZinzileM@daff.gov.za /ZinzileM@nda.agric.za</p>	X	<p>15 August 2019</p> <p>27 August 2019</p>	<p>Consultation email sent to Kenneth Mavhunga</p> <p>Good morning all,</p> <p>The DAFF has a regional mandate in terms of the National Forests Act 84 of 1998 and Conservation of Agricultural Resources Act 43 of 1983, particularly with regard to the veld in question or the reference area of operations indicated on your notice. I would therefore like to request that you furnish us with forms to register as I &Aps for the development being proposed. We would welcome invitation for site viewing where possible, before the allocated commenting period expires.</p>	<p>N/A</p> <p>Good day,</p> <p>Kindly receive the attached comment form where you can register as I&AP of the proposed mining permit at Mbuzini village and I will let you know about the date for site visit in time</p>	See appendix D for full consultation.
<p>Rhulani Chavalala Email: RhulaniC@daff.gov.za Tell: 013 754 0729 Cell: 078 608 3909</p>	X	06 September 2019	<p>DAFF interested with the proposed project with the compliance in CARA 43 of 1983.</p> <p>Rhulani requested that a detailed soil study with land capability, grazing capability and current land use must be included on the EMPr</p>	<p>Thank you very much for responding on the invitation for the proposed granite mining permit project in portion of Mbuzini village. Kindly note that a detailed soil study is currently compiled and it will be included in the EMPr</p>	See Appendix D for full consultation.
Department of Water and Sanitation					
<p>Mhlongo S Email: mhlongos@lucm.co.za</p>	X	15 August 2019	Consultation email sent to Mhlongo S	N/A	See appendix C for full consultation.
Department of Environmental Affairs					

T Ramavhona TRamavhona@environment.gov.za	X	15 August 2019	Consultation email sent to T Ramavhona		See Appendix C for full consultation.
Department of Rural Development and Land Reform					
Vusi Khoza Email: Vusi.Khoza@drdlr.gov.za	X	14 August 2019	Consultation email sent to Vusi Khoza		See Appendix C for full consultation.
Municipality					
Weekend Nhlambo Email: weekend.nhlambo@nkomazi.gov.za	X	14 August 2019	The email could not go through.	N/A	See Appendix C for full consultation.
Ehlanzeni Council Email: council@ehlanzeni.gov.za	X	14 August 2019	No response has been received yet.	N/A	See Appendix C for full consultation.
Provincial Government					
J Mduli Email: jmdluli@mpg.gov.za	X	15 August 2019	Consultation email sent to Mduli	N/A	See Appendix C for full consultation.
Mpumalanga Tourism and Parks					
Thanduxolo.lunanga Email: thanduxolo.lunanga@mtpa.co.za Phuma.nkosi Email: phuma.nkosi@mtpa.co.za	X	15 August 2019	Good Day Livhuwani I hope this email finds you well. Could we be registered as an Interested and Affected Party for and could you please send the hardcopies to MTPA N4 Halls Gateway Mataffin Nelspruit 1200 Attention: Phumla Nkosi Block G; Room 3D Kind Regards	Good morning Phumla Nkosi, Kindly note that you are registered as an Interested and Affected Party for the proposed project and you will be updated in all phases of this proposed project. The hard copies will be delivered to the address mentioned above as per requested.	See Appendix D for full consultation.

			Phumla Nkosi		
Frans.Krige Email: Frans.Krige@mtpa.co.za	X				
Eskom					
Siebert Labuschagne Email: LabuscSJ@eskom.co.za	X	28 August 2019	A consent letter received from Eskom with terms and conditions	A consent letter was forwarded to the applicant to sign	See Appendix D for full consultation.
SANRAL					
<p>Jan Oliver (BSc Hons Applied Science Transportation Eng, Bsc Computing Unisa) Statutory Controller Northern Region 38 Ida Street, Menlo Park, Pretoria, Gauteng, 0081, T: 012 426 6242 M: 083 283 6083 OliverJ@nra.co.za www.sanral.co.za Fraud Hotline Number - 0800 204 558</p>    	X	15 August 2019	<p>Dear Livhuwani Sigwadi</p> <p>In order to improve workflow, please note that applications and request for comments must be emailed to nrstat@nra.co.za (for attention Ria Barkhuizen) and not to oliverj@nra.co.za. Mrs. Ria Barkhuizen will be delegating the requests.</p> <p>Your application was forwarded to nrstat@nra.co.za.</p> <p>Dear Ria Barkhuizen</p> <p>No national roads will be affected. Please stamp accordingly.</p> <p>Good day</p> <p>This email is an acknowledgement of receipt for your enquiry.</p> <p>Please note that your enquiry will be evaluated, and a response provided within 30 days, in line with requirements of Section 29 of the Spatial Planning and Land Use management Act (Act No.16 of 2013) read with Section 3 of the Promotion of</p>	<p>Good morning Jan Olive,</p> <p>Kindly not that your information or advice will be considered, the right person will be consulted in feature. Thank you very much.</p> <p>Thanks, noted</p>	See Appendix D for full consultation.
		20 August 2019			

<p>www.nlto.co.za Email: info@nlto.co.za</p>			<p>Interested & Affected Party for the above mentioned mining application as advertised in the Lowvelder Newspaper 16 August 2019. We note that the application does not have a DMR application number? We need an official IAP form for this application please.</p> <p>In addition as advertised please ensure that you send us an electronic version of the EMPr reports as soon as possible.</p> <p>Please confirm receipt of the above.</p>		
Other Affected and Interested Parties					
<p>Adriaan Schoeman Office cell: 071 675 9045 www.umbali.co.za</p> 	X	18 August 2019	<p>Good day,</p> <p>With this mail we would appreciate it to add us as in interested party.</p> <p>Please mail all relevant information.</p>	<p>Good day,</p> <p>Kindly note that you are registered as an Interested and Affected Party for the proposed project and you will be updated in all phases of this proposed project.</p>	See Appendix D for full consultation.
<p>Mthobisi Ngcane Email: mngcane@gmail.com Cell no: 072 895 4404</p>	X	20 August 2019	<p>Afternoon its mthobisi, we spoke earlier on, this is my email address.</p>	<p>The BID was sent to Mthobisi Ngcane with the comment form to register as I&AP for the proposed project</p>	See Appendix D for full consultation.
<p>Hennie Bekker DISTRIKSKOÖRDINEERDER: LAEVELD</p>  <p>E: hennie.bekker@afriforum.co.za</p>	X	21 August 2019	<p>To whom it may concern,</p> <p>AfriForum is a civil rights organisation who protects the rights of their member.</p> <p>We hereby respond to an advertisement that was published in the Lowvelder for an invitation to register as an interested and affected party. AfriForum hereby gives notice with regard to the said advertisement.</p> <p>As I am now the contact person. Kindly forward all assessment report and/or</p>		See Appendix D for full consultation.

			information and/or invitation to public meetings to myself. Kindly acknowledge receipt hereof.		
Andiswa Matikinca Andiswa Matikinca Journalist Oxpeckers Associate Cell phone: (+27) 65 907 6819 LinkedIn: Andiswa Matikinca Twitter: @Andee_mat	X	27 August 2019	Good morning, My name is Andiswa Matikinca from Oxpeckers Centre for Investigative Environmental Journalism & I manage the centre's digital tool called #MineAlert. I would like to be added as I&AP for the Elispec Mining (Pty) Ltd mining application in Mbuzini Village. I would also like to have the EMPr report sent to me via email.	The BID was sent to Andiswa Matikinca with the comment form to register as I&AP for the proposed project	See Appendix D for full consultation.
Mlambo Royal Military Police NPC Nkalanga, Sizwe joseph Email: Mavulule.sons@gmail.com Cell: 072 020 5453	X	27 August 2019	Good day, I hope this email finds you well As per our telephone conversation on the 26th of August 2019 regarding the Granite mining permit application, kindly note that you are registered as interested and affected party of the project.		See Appendix D for full consultation.
		29 August 2019	The proposed project is a exactly the kind of opportunity the community want. The project will create more jobs to the community. The organisation will also help to organise the community during public participation.	Good day, Thank you very much for your comments as an independent organisation representing the community. Your comment will be attached on the EMPr to assist DMR when taking decision on the proposed project. The life span of the mining permit depends on the availability of the mineral, mining permit granted for two years with maximum renewal period of five years.	

<p>ARTHUR SIPPEL Email: Arthur.sippel@gmail.com Cell: 083 357 0644</p>	<p>X</p>	<p>29 August 2019</p>	<p>Herewith my request to be registered as an interested and affected party in terms of Regulations 42 & 43 of the EIA Regulations as published in the Government Notice No 326 of 07 April 2017.</p> <p>It will be appreciated if you can make the draft EMPr reports available for comment via my e-mail address, that being Arthur.sippel@gmail.com</p>		<p>See Appendix D for full consultation.</p>
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(v) **The Environmental attributes associated with the alternatives.**

(The environmental attributes described must include socio-economic, social, heritage, cultural, geographical, physical and biological aspects)

(1) Baseline Environment

(a) Type of environment affected by the proposed activity.

(Its current geographical, physical, biological, socio-economic, and cultural character)

Geology:

The project area is situated within the Nelspruit Granite Suite. The Nelspruit Batholith (Nelspruit Suite) extends up to 80 km north of the Barberton Greenstone Belt (BGB) (Robb et al., 1983), and is covered in the west and east by Transvaal and Karoo Supergroup rocks respectively. The Nelspruit Suit comprise a number of texturally distinct varieties including gneiss, porphyritic granite and two small plutons (Robb, 1978,1979,1994d; Robb et al.,1983). The most widespread variety is a coarse-grained, strongly porphyritic granitoid, which is compositionally a granodiorite or quartz monzonite. The rock is greyish to pinkish, and comprises quartz, plagioclase, microcline perthite and biotite.

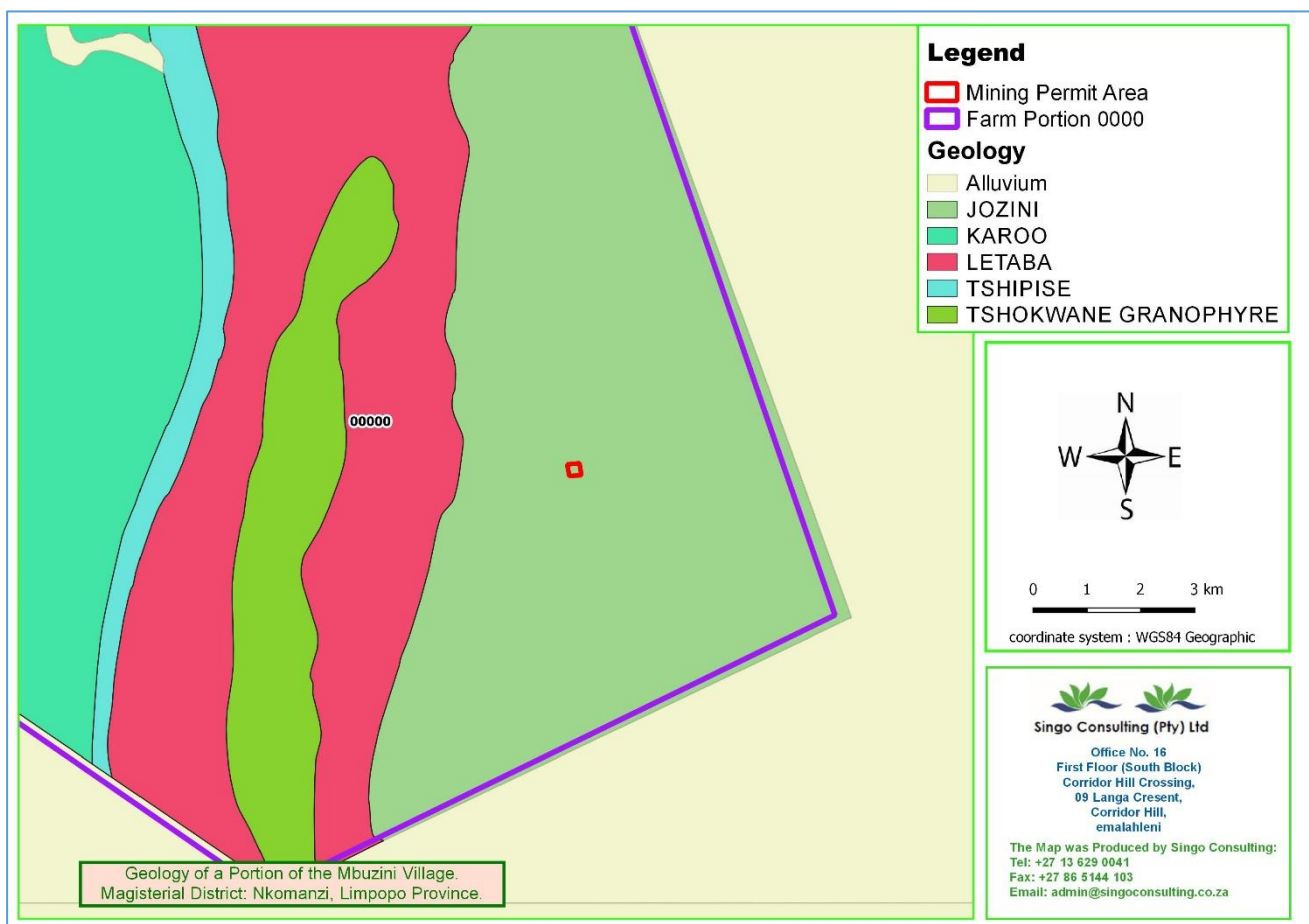


Figure 7: Map representing geology of the applied area

The applicant intends to mine the hard rock of the quarry in order to produce granite through crushing and screening. This area was chosen as it is a vacant land without agricultural or residential area.

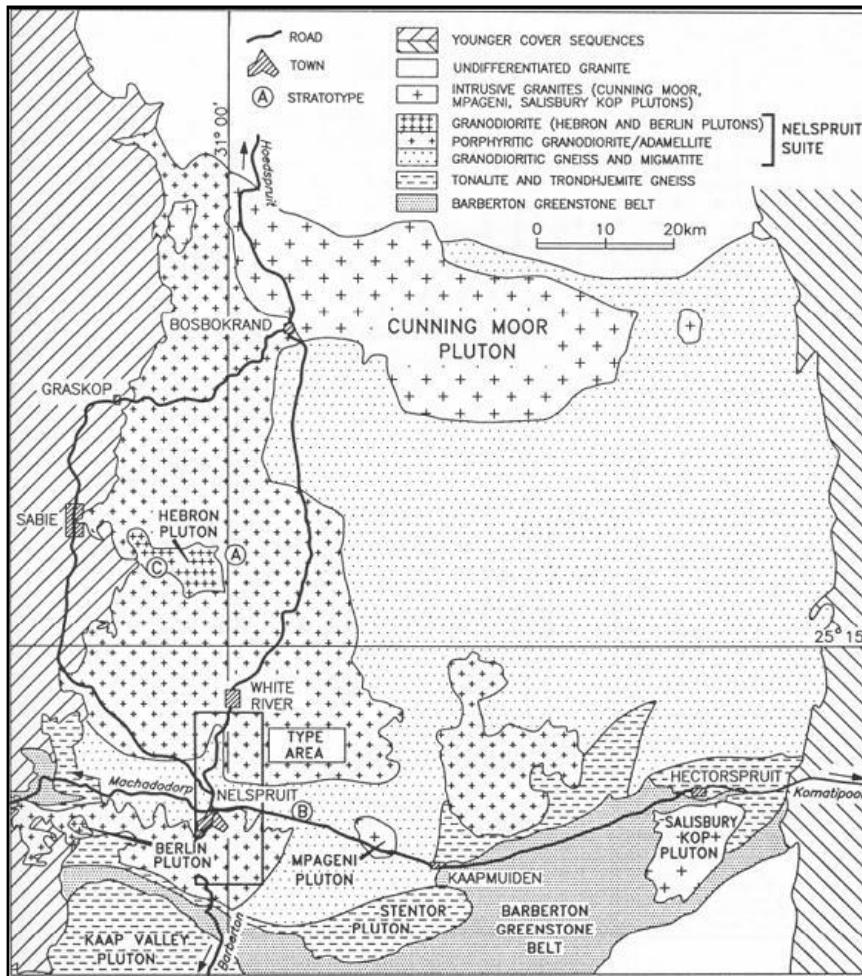


Figure 8: The Nelspruit Granite Suite

Natural Vegetation:

Although no sensitive, protected or endangered species were identified during the site inspection and it is also confirmed that no critical species within the proposed applied area, it is proposed that the applicant remove as little vegetation as possible. This will lessen the area to be managed for erosion and weed invasion purposes.

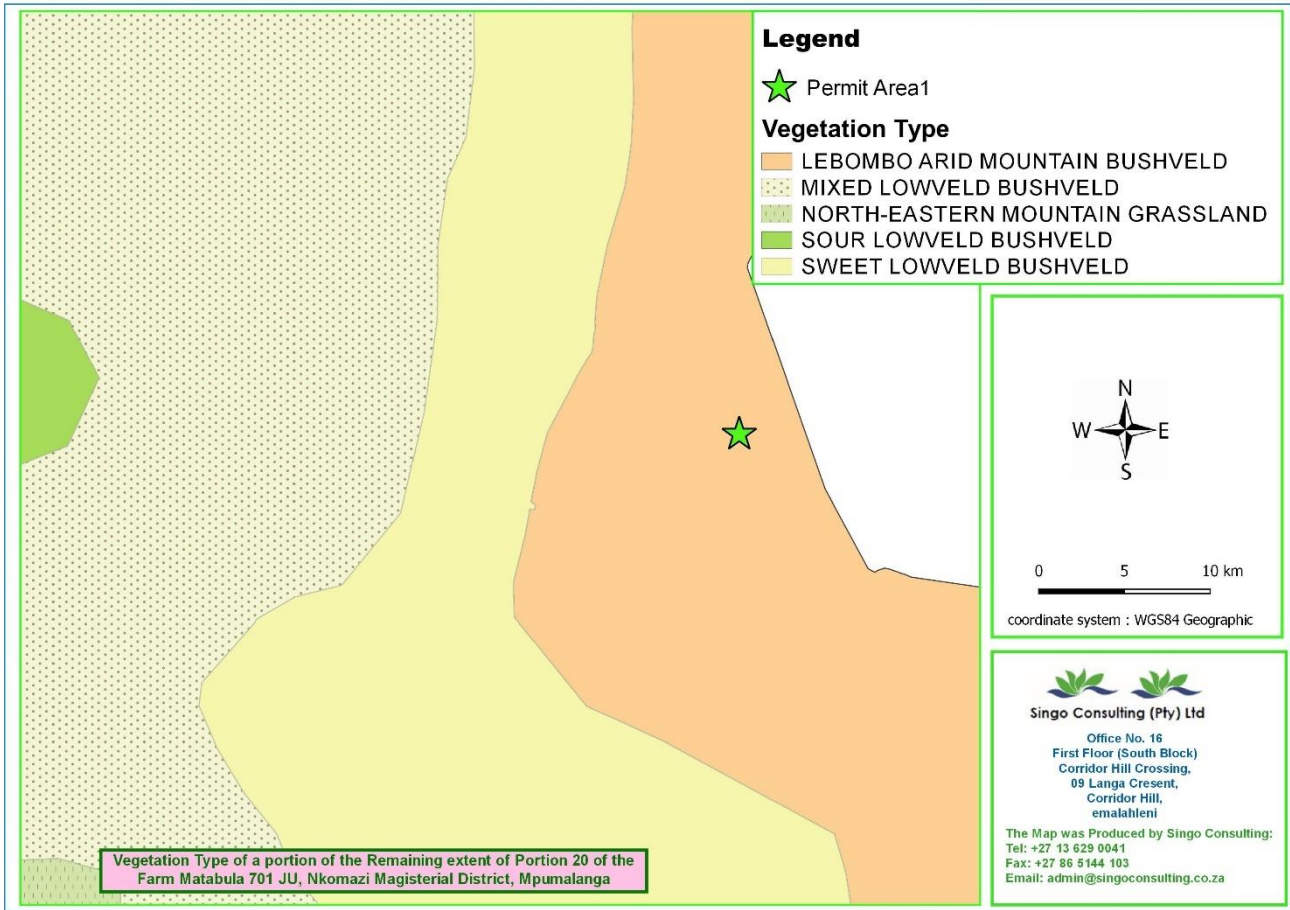


Figure 9: Vegetation map representing vegetation type of the permit

Fauna:

Domestic fauna was observed during site assessment although no wild fauna was observed at the time of the site inspection. Should any wild enter the mining area there will not be impacted on by the proposed mining activity as they will be able to move away or through the site, without being harmed. Workers should be educated and managed to ensure no fauna is harmed.

Critical Biodiversity:

The map below in figure 10 presenting critical biodiversity of the area, it is confirmed that the permit is situated in heavily modified area. There are no critical species will be affected by the proposed project as there are no critical plants nearby the proposed mining permit. Therefore, no critical species will be harmed during the operation of proposed project as Eco will be onsite every day to monitor the operation.

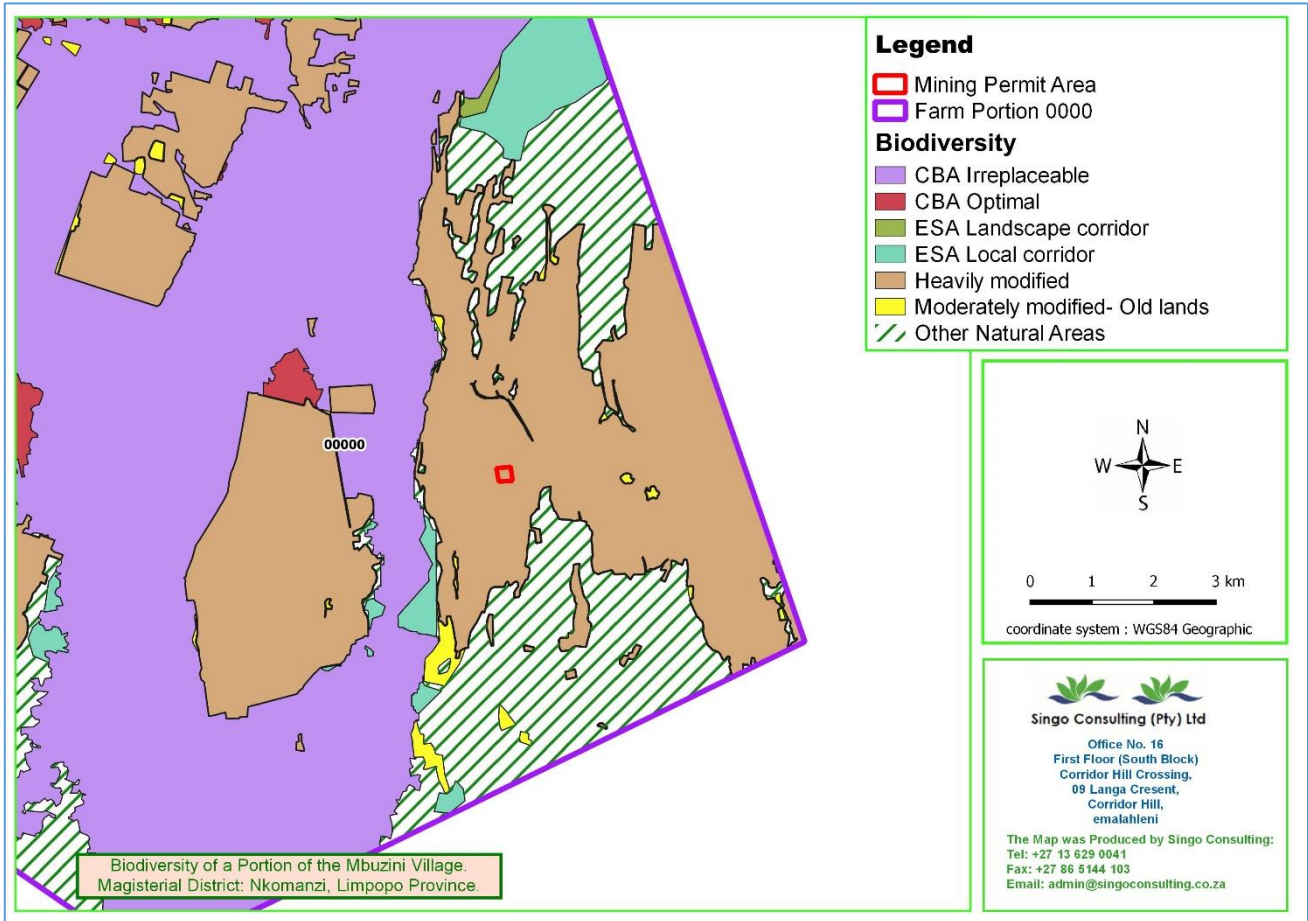


Figure 10: Biodiversity map of the Area(the permit situated in a heavily modified area)

Surface and Ground Water:

The small perennial river passes the proposed mining area approximately 9.6 km to the west, with the section passing through the property only seasonally carrying water. Storm water will need to be channelled around the mining area to prevent possible contamination of clean water flowing over dirty areas. The proposed activity is not expected to have a negative effect on ground- or surface water.

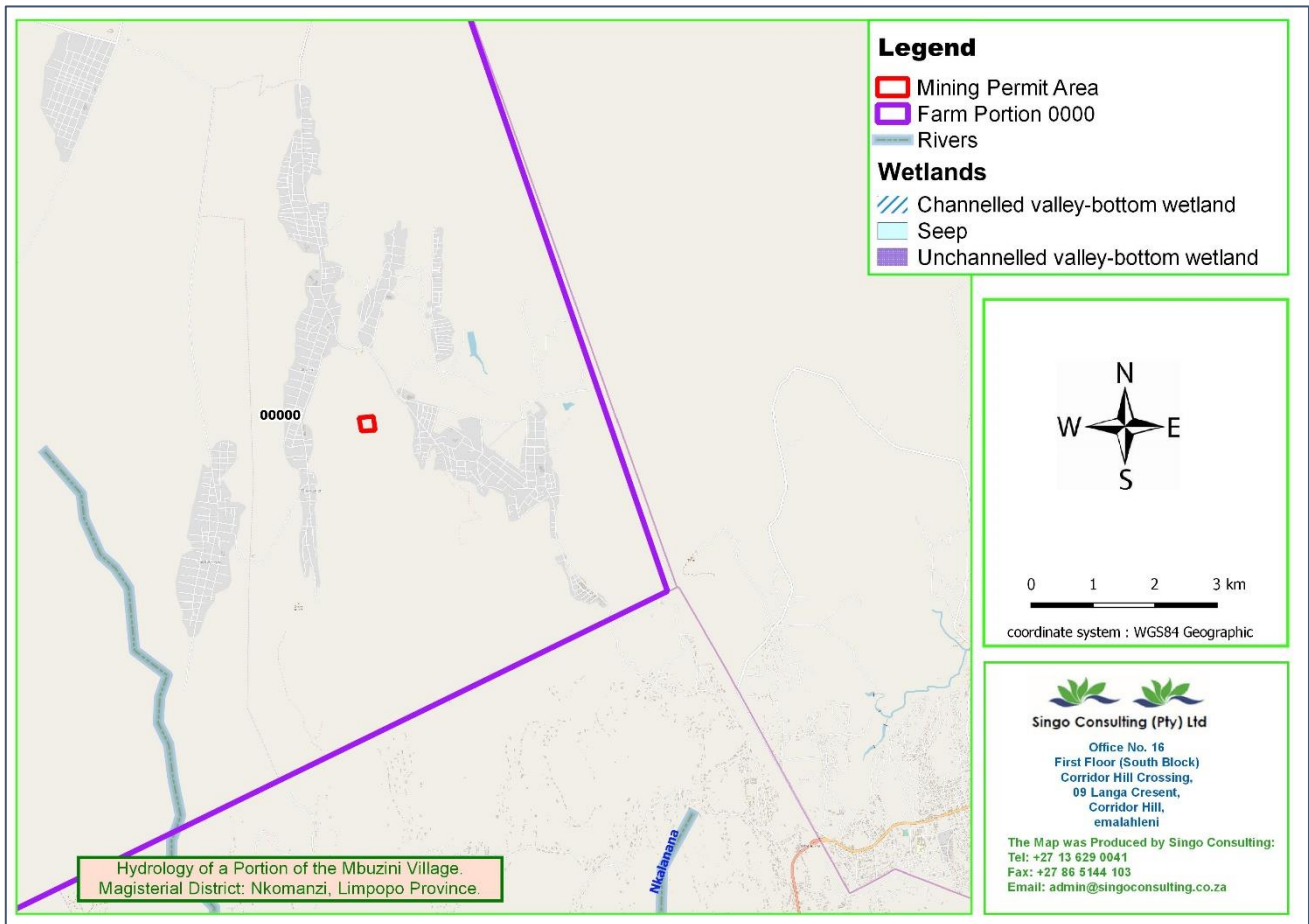


Figure 11: Hydrological map of the proposed area

Topography

The mining permit area is situated in a region with generally gentle steep topography which is not typical of the Mpumalanga region. From the topographical map below, the project area has an average height above sea level ranging from 630 masl to 670 masl.

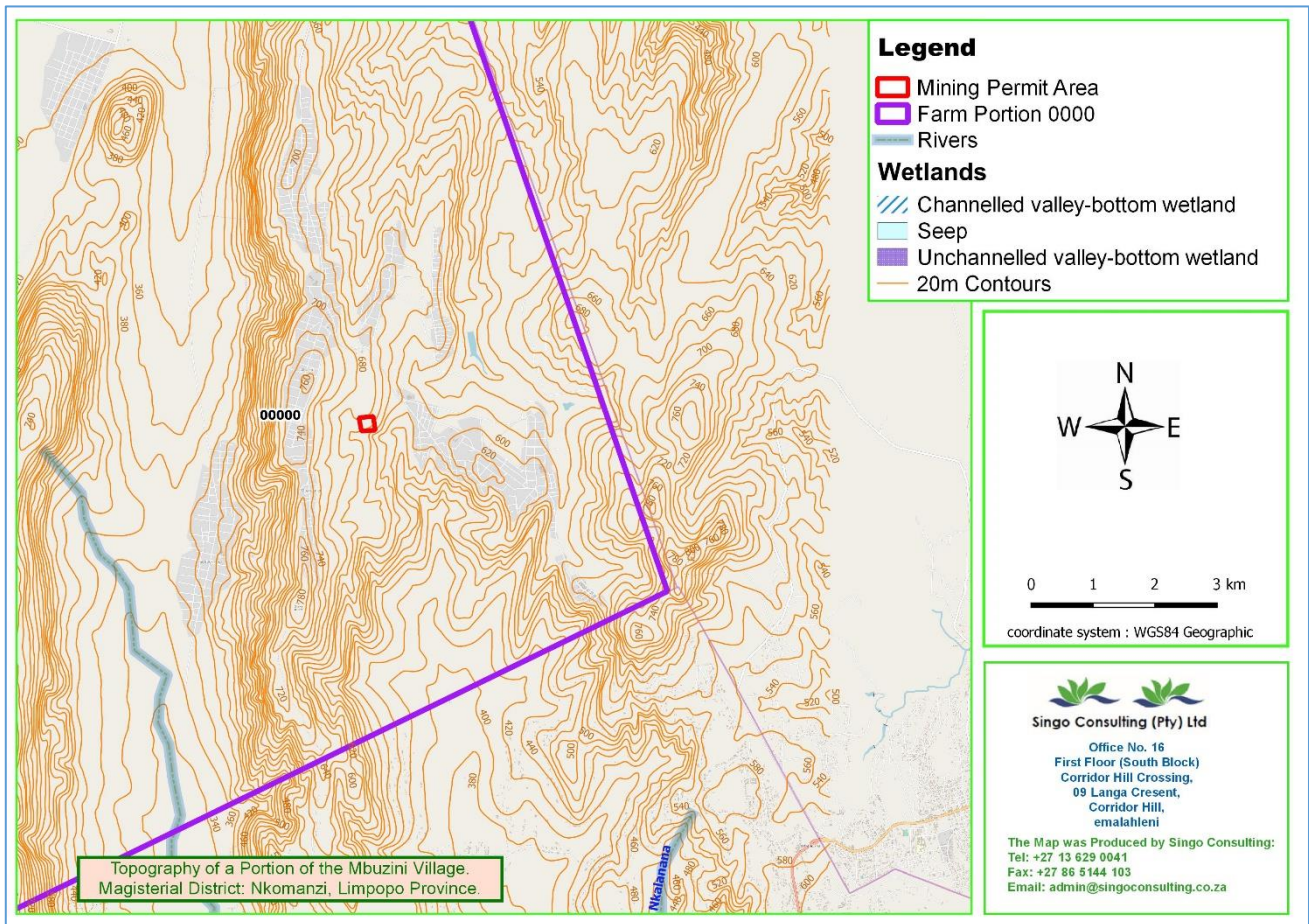


Figure 12: Topographical of the proposed mining permit

Air Quality:

The background air lineament of the surrounding region is relatively good due to low indebris rial activity. The semi-rural residential area of Mbuzini situated 1.38 km south east of the project area has an impact on the natural air quality through emissions released by cooking/heating fires. Given the surrounding extent of mostly covered areas, no extreme dust generation under windy conditions is experienced.

Dust will be generated by the proposed performance through the movement of machinery and vehicle , blasting and stifling of hard rock and the stockpiling of granites. Dust curtailment measures should be implemented to prevent excessive dust on site . Due to the remote setting of the proposed mining area the potential impact of dust on the surrounding environment is deemed to be of low signification .

Noise:

The surrounding areas are characterised by an agricultural/settlement setting in which vehicles and farm equipment operate. The traffic on the public roadstead surrounding the property contributes to the ambient stochasticity of the area. The noise to be generated at the proposed quarry operation is expected to temporarily increase the noise level of the area. Blasting noise will be instantaneous and of short duration, it will be occurring only twice a week. Crushing and transporting of the material will generate noise daily. As mentioned above the closest residence is that of the applicant with the mall of the bordering community being more than 500 m away, the significance of noise on the surrounding environment is therefore deemed to be of low significance. Mitigation measure should be implemented to ensure employees behaviour in an acceptable manner while on site in order to lessen the noise impact of the proposed activity on the surrounding environment.

Archaeological and Cultural Interest:

Heritage resources such as Stone Age sites, rock paintings and engravings; stone tools; small, inconspicuous stone walled sites from the Late Iron Age farming communities; formal and informal graveyards, etc may occur in the study area. However, no heritage sites or artefacts were discovered within or near the permit area during site assessment. Should any heritage resources of significance be exposed during the construction or rather operational phase of the project, the South African Heritage Resources Agency (SAHRA) should be notified immediately, all development activities should be stopped, and an archaeologist accredited with the Association for Southern African Professional Archaeologist (ASAPA) should be notified to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the required mitigation measures.

(b) Description of the current land uses.

Mbuzini village, Nelspruit is situated in an agricultural setting to the South of the N4. The land use of the property comprises of agriculture with the bare land used for grazing. The land use of the surrounding properties comprises of agriculture production and some grazing, fire wood collection and the area used as the wild animal such as birds. The permit is located between two villages of Mbuzini and Mpanganeni.

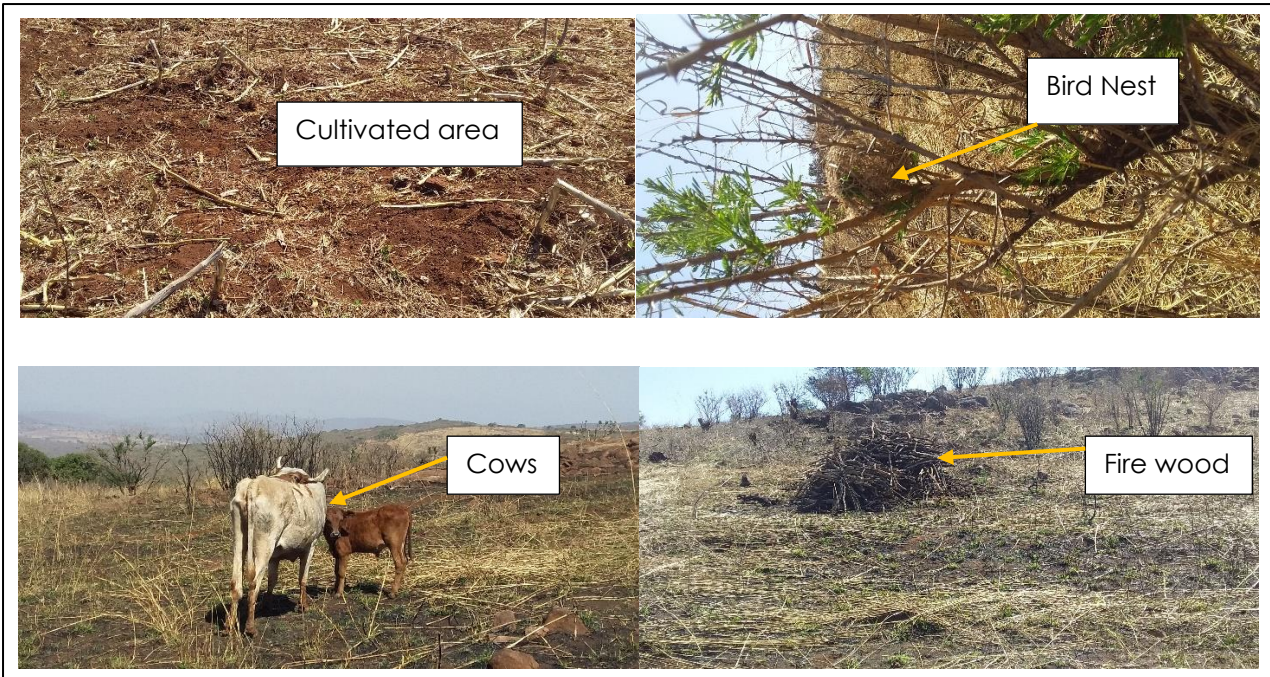


Figure 13: Current land use pictures within the proposed property

(c) Description of specific environmental features and infrastructure on the site.

The area is a comprises with scattered plants, outcrop rocks and no sensitive areas were identified on site. During site assessment no environmental features were observed on site including water bodies, beside natural scattered plants and outcrop rock.



Figure 14: Environmental features within the permit

(d) Environmental and current land use map.

(Show all environmental and current land use features)

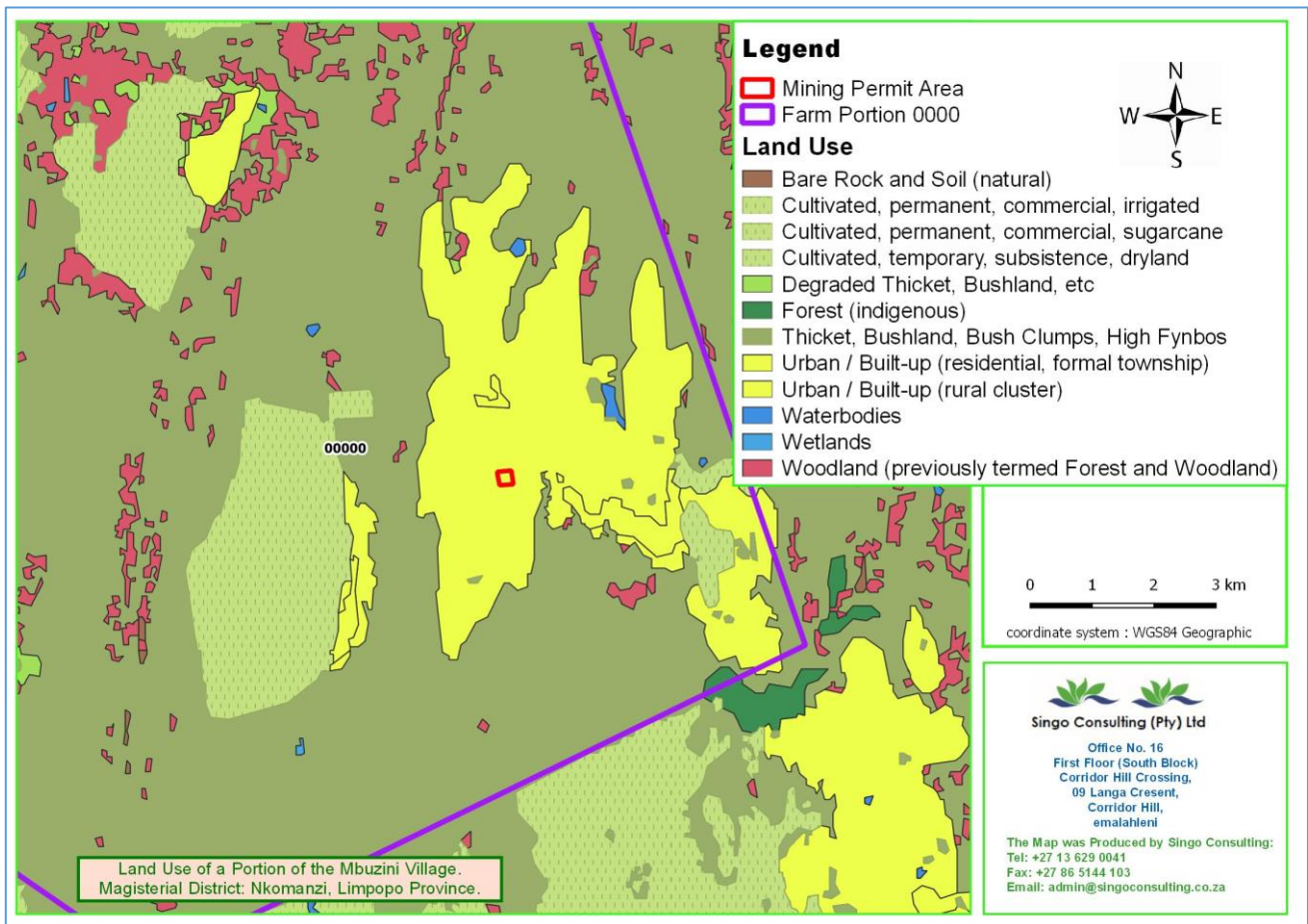


Figure 15: The environmental and current land use map

The environment and current land use of the area summarised on the map above Figure 14. The land use practiced in the applied property are urban built, permanent and temporary commercial agricultural activities, thicket, woodland, high fynbos and bushland, water bodies and wetland, outcrop rock and soil. The proposed permit is located on the urban built area as confirmed by GIS specialist on the map above(Figure 15).

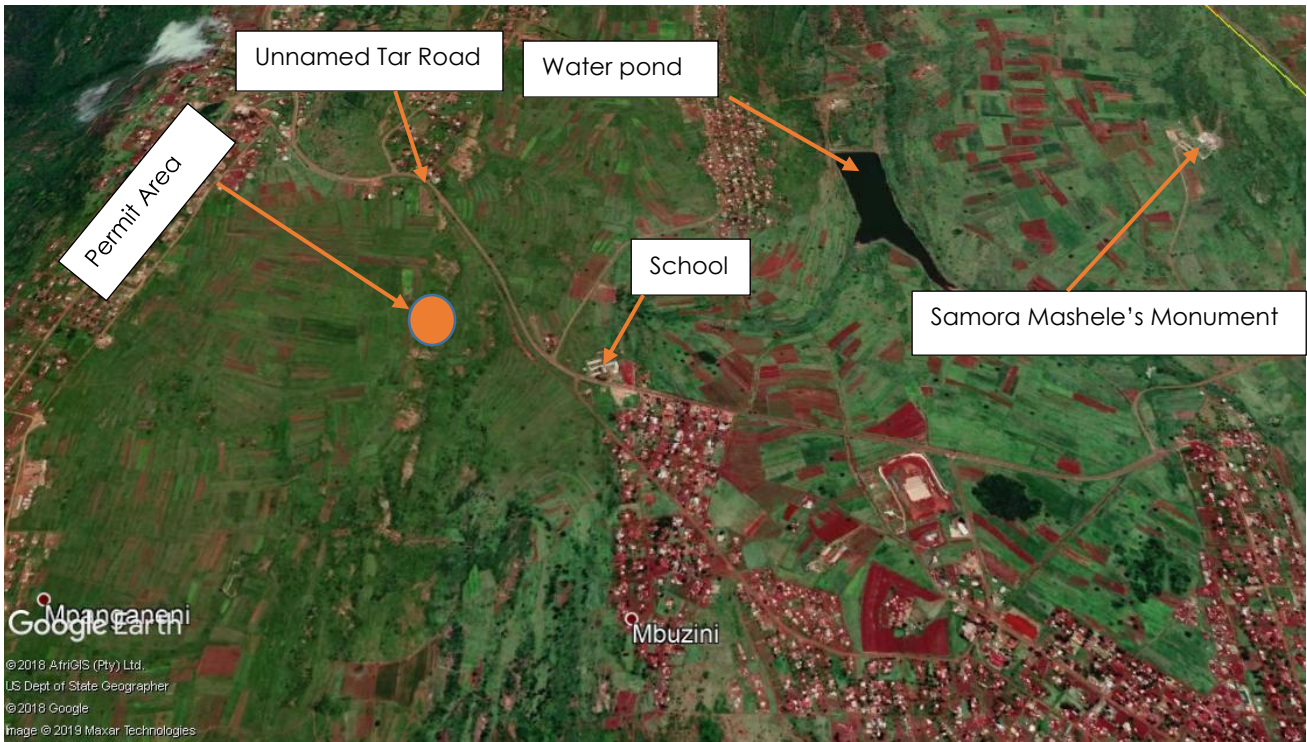


Figure 16: Current infrastructure within and around the proposed property

(vi) Impacts and risks identified including the nature, significance, consequence, extent, duration and probability of the impacts, including the degree to which these impacts

(Provide a list of the potential impacts identified of the activities described in the initial site layout that will be undertaken, as informed by both the typical known impacts of such activities, and as informed by the consultations with affected parties together with the significance, probability, and duration of the impacts. Please indicate the extent to which they can be reversed, the extent to which they may cause irreplaceable loss of resources, and can be avoided, managed or mitigated.)

The taking after potential impacts were distinguished of each primary action in each stage. The importance rating was decided utilizing the technique as clarified beneath vii) Technique Utilized in Deciding and Positioning the Noteworthiness. For each effect, the impact rating mentioned below was determined before considering the suggested mitigation interventions. The degree of mitigation shows the potential for partial, complete or no mitigation of the effect found.

STOCKPILING OF RUN OF MINE (ROM):

Visual intrusion associated with the establishment of the mining area

Rating: Medium – High

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	5	2	3	5	5	15

Clean annoyance caused by the unsettling influence of Quarry activities

Rating: Medium – High

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.9	4	5	14

Clean annoyance caused by stockpiling the ROM

Rating: Medium

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.7	5	5	13

Infestation of the topsoil heaps by weeds or invader plants

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
3	4	2	2.5	4	4	11.8

Contamination of area with hydrocarbons or hazardous waste materials

BLASTING:

Health and safety risk posed by blasting activities

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
4	3	1	3	2	4	10.5

Dust nuisance caused by blasting activities

Rating: Low – Medium

Degree of Mitigation: Not Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	1	2	1.7	2	3	5.5

Noise nuisance caused by blasting activities

Rating: Low – Medium

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	1	2	1.7	4	5	5.7

CRUSHING:

Dust nuisance due to the crushing activities

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
3	3	3	2.9	5	5	14

Noise nuisance generated by the crushing activities

Rating: Medium

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.5	4	5	10

Contamination of area with hydrocarbons or hazardous waste materials

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.9	4	5	14

STOCKPILING AND TRANSPORTING:

Visual intrusion associated with the stockpiled material and vehicles transporting the material

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.5	4	4.5	11.5

Loss of material due to ineffective storm water handling

Rating: Low – Medium

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	1	2.4	4	3	8

Weed and invader plant infestation of the area due to the disturbance of the soil

Rating: Low – Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	4	2	2.5	4	3	7.5

Dust nuisance from stockpiled material and vehicles transporting the material

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	3	2	2.5	4	5	10

Degradation of access roads

Rating: Medium

Degree of Mitigation: Fully Mitigated

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
3	3	2	2.7	4	4	11.5

Noise nuisance caused by vehicles

Rating: Medium

Degree of Mitigation: Partial

					Likelihood	Importance
Severeness	Period	Range	Consequence	Prevalence		
2	3	2	2.5	4	4	10

Contamination of area with hydrocarbons or hazardous waste materials

(vii) Methodology used in determining and ranking the nature, significance, consequences, extent, duration and probability of potential environmental impacts and risks;

(Describe how the significance, probability, and duration of the aforesaid identified impacts that were identified through the consultation process was determined in order to decide the extent to which the initial site layout needs revision.)

Methodology for the assessment of the potential environmental, social and cultural impacts

DEFINITIONS AND CONCEPTS:

Environmental significance:

The concept of significance is at the core of impact identification, evaluation and decision making. The concept remains largely undefined and there is no international consensus on a single definition. The following common elements are recognised from the various interpretations:

- Environmental significance is a value judgement
- The degree of environmental significance depends on the nature of the impact
- The importance is rated in terms of both biophysical and socio-economic values
- Determining significance involves the amount of change to the environment perceived to be acceptable to affected communities.

Significance can be differentiated into impact magnitude and impact significance. Impact magnitude is the measurable change (i.e. intensity, duration and likelihood). Impact significance is the value placed on the change by different affected parties (i.e. level of acceptability) (DEAT (2002) Impact Significance, Integrated Environmental Management, Information Series 5).

The concept of risk has two dimensions, namely the consequence of an event or set of circumstances, and the likelihood of particular consequences being realised (Environment Australia (1999) Environmental Risk Management).

Impact

The positive or negative impacts on human well-being and / or the environment.

Consequence

The intermediate or final outcome of an event or situation OR it is the result, on the environment, of an event.

Likelihood

A qualitative term covering both probability and frequency.

Frequency

The number of occurrences of a defined event in a given time or rate.

Probability

The likelihood of a specific outcome measured by the ratio of a specific outcome to the total number of possible outcomes.

Environment

Surroundings in which an organisation operates, including air, water, land, natural resources, flora, fauna, humans and their interrelation (ISO 14004, 1996).

Methodology that will be used

The environmental significance assessment methodology is based on the following determination:

Environmental Significance = Overall Consequence x Overall Likelihood

Determination of Overall Consequence

Consequence analysis is a mixture of quantitative and qualitative data and the result can be positive or negative. Numerous factors can be used to determine consequence. For the purpose of determining the environmental significance in terms of consequence, the following factors were chosen: **Severity/Intensity, Duration and Extent/Spatial Scale**. Each factor is given a rating of 1 to 5, as defined in the tables below.

Determination of Severity / Intensity

Severity relates to the nature of the event, aspect or impact to the environment and describes how severe the aspects impact on the biophysical and socio-economic environment.

Table 1 will be used to obtain an overall rating for severity, taking into consideration the various criteria.

Table 1: Rating of Severity

Type of criteria	Rating				
	1	2	3	4	5
Quantitative	0-20%	21-40%	41-60%	61-80%	81-100%
Qualitative	Insignificant / No harmful	Small / Potentially harmful	Significant/ Harmful	Great/ Very harmful	Disastrous Extremely harmful
Social/ Community response	Acceptable / I&AP satisfied	Slightly tolerable / Possible objections	Intolerable/ Sporadic complaints	Unacceptable / Widespread complaints	Totally unacceptable / Possible legal action
Irreversibility	Very low cost to mitigate/ High potential to mitigate impacts to level of insignificance/ Easily reversible	Low cost to mitigate	Substantial cost to mitigate/ Potential to mitigate impacts/ Potential to reverse impact	High cost to mitigate	Prohibitive cost to mitigate/ Little or no mechanism to mitigate impact Irreversible
Biophysical (Air quality, water quantity and quality, waste production, fauna and flora)	Insignificant change / deterioration or disturbance	Moderate change / deterioration or disturbance	Significant change / deterioration or disturbance	Very significant change / deterioration or disturbance	Disastrous change / deterioration or disturbance

Determination of Duration

Duration refers to the amount of time that the environment will be affected by the event, risk or impact, if no intervention e.g. remedial action takes place.

Table 2: Rating of Duration

Rating	Description
1	up to 1 month
2	1 month to 3 months (quarter)
3	3 months to 1 year
4	1 to 10 years
5	beyond 10 years

Determination of Extent/Spatial Scale

Extent or spatial scale is the area affected by the event, aspect or impact.

Table 3: Rating of Extent / Spatial Scale:

Rating	Description
1	Immediate, fully contained area
2	Surrounding area
3	Within Business Unit area of responsibility
4	Within the farm/neighbouring farm area
5	Regional, National, International

Determination of Overall Consequence

Overall consequence is determined by adding the factors determined above and summarized below, and then dividing the sum by 3.

Table 4: Example of calculating Overall Consequence

Consequence	Rating
Severity	Example 4
Duration	Example 2
Extent	Example 4
SUBTOTAL	10
TOTAL CONSEQUENCE: (Subtotal divided by 3)	3.3

Determination of Likelihood:

The determination of likelihood is a combination of Frequency and Probability. Each factor is assigned a rating of one to five, as described below in tables 5 and 6.

Determination of Frequency

Frequency refers to how often the specific activity, related to the event, aspect or impact, is undertaken.

Table 5: Rating of Frequency:

Rating	Description
1	Once a year or once/more during operation
2	Once/more in 6 Months
3	Once/more a Month
4	Once/more a Week
5	Daily

Determination of Probability

Probability refers to how often the activity or aspect has an impact on the environment.

Table 6: Rating of Probability:

Rating	Description
1	Almost never / almost impossible
2	Very seldom / highly unlikely
3	Infrequent / unlikely / seldom
4	Often / regularly / likely / possible
5	Daily / highly likely / definitely

Overall Likelihood

Overall likelihood is calculated by adding the factors determined above and summarised below, and then dividing the sum by 2.

Table 7: Example of calculating Overall Likelihood

Consequence	Rating
Frequency	Example 4
Probability	Example 2
SUBTOTAL	6
TOTAL LIKELIHOOD (Subtotal divided by 2)	3

Determination of Overall Environmental Significance:

The multiplication of overall consequence with overall likelihood will provide the environmental significance, which is a number that will then fall into a range of **LOW**, **LOW-MEDIUM**, **MEDIUM**, **MEDIUM-HIGH** or **HIGH**, as shown in the table below.

Table 8: Determination of Overall Environmental Significance

	Low	Low-Medium	Medium	Medium-High	High
Significance or Risk					
Overall Consequence X Overall Likelihood	1 - 4.9	5 - 9.9	10 - 14.9	15 - 19.9	20 - 25

Qualitative description or magnitude of Environmental Significance

This description is qualitative and is an indication of the nature or magnitude of the Environmental Significance. It also guides the prioritisations and decision-making process associated with this event, aspect or impact.

Table 9: Description of Environmental Significance and related action required

Significance	Low	Low-Medium	Medium	Medium-High	High
Impact Magnitude	Impact is of very low order and therefore likely to have very little real effect. Acceptable.	Impact is of low order and therefore likely to have little real effect. Acceptable.	Impact is real, and potentially substantial in relation to other impacts. Can pose a risk to company	Impact is real and substantial in relation to other impacts. Pose a risk to the company. Unacceptable	Impact is of the highest order possible. Unacceptable. Fatal flaw.
Action Required	Maintain current management measures. Where possible improve.	Maintain current management measures. Implement monitoring and evaluate to determine potential increase in risk. Where possible improve	Implement monitoring. Investigate mitigation measures and improve management measures to reduce risk, where possible.	Improve management measures to reduce risk.	Implement significant mitigation measures or implement alternatives.

Based on the above, the significance rating scale has been determined as follows:

- **L - Low M - Medium H -High**

H	The highest order potential inside the bounds of impacts that might occur. In regard of the negative impacts, there would be no potential mitigation and / or remedial activity to offset the impact at the abstraction or duration that it had been foreseen. within the case of positive impacts, there's no real various to achieving the profit.
M - H	Impacts of a considerable order. In regard of negative impacts, mitigation and / or remedial activity would be possible however tough, expensive, time consuming or some combination of those. In regard of positive impacts, different suggests that of achieving this profit would be potential, however these wouldn't be simple a lot of difficulties would be faces, expensive, time-consuming or some combination of these.
M	Impact would be real however not substantial among the bounds of these, that may occur. within the case of negative impacts, mitigation and / or remedial activity would be each possible and fairly simply doable, in regard of positive impacts; alternative suggests that of achieving these edges would be concerning equal in time, value and effort.
L - M	Impact would be of a low order and with very little real result. In regard of negative impacts, mitigation and / or remedial activity would be either simply achieved of very little would be needed, or both. just in case of positive impacts.
Low Impact would be negligible.	In regard of negative impacts, virtually no mitigation and or any corrective activity would be required, and any minor steps, which could be required, would be simple, low-cost and easy. within the case of positive impacts, various means that would the majority probably be higher, in one or variety of how, than this implies of achieving the profit.

Insignificant	There would be a no impact at all- not even a awfully low impact on the system or any of its components.
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(viii) The positive and negative impacts that the proposed activity (in terms of the initial site layout) and alternatives will have on the environment and the community that may be affected.

(Provide a discussion in terms of advantages and disadvantages of the initial site layout compared to alternative layout options to accommodate concerns raised by affected parties)

Due to the remote location of the quarry very little to no negative impacts on the community could be identified that were deemed to be of significant importance. The dust and noise impacts that may emanate from the mining area during the operational phase could have a negative impact on the surrounding community if the mitigation measures proposed in this document is not implemented and managed on-site.

The operation of the mine will however also have a number of positive impacts such as job creation. The granite to be removed from the quarry will be used for the various purposes in the locality of the mine. The proposed quarry will therefore contribute to the upgrading/maintenance of infrastructure in and around Mbombela and indirectly contribute to the economy of the area.

(ix) The possible mitigation measures that could be applied and the level of risk.

(With regard to the issues and concerns raised by affected parties provide a list of the issues raised and an assessment/discussion of the mitigation or site layout alternatives available to accommodate or address their concerns, together with an assessment of the impacts or risks associated with the mitigation or alternatives considered)

Visual Mitigation:

The risk of the proposed mining activities having a negative impact on the aesthetic quality of the surrounding environment can be reduced to medium risk through the implementation of the mitigation measures listed below:

- The site needs to have a neat appearance and be kept in good condition at all times.
- Upon closure the site needs to be rehabilitated to ensure that the visual impact on the aesthetic value of the area is kept to a minimum.

Dust Handling:

The risk of dust, generated from the proposed mining activities, having a negative impact on the surrounding environment can be reduced to being low medium through the implementation of the mitigation measures listed below:

- The liberation of dirt into the surroundings should be effectively controlled by the employment of, inter alia, water spraying and/or different dust-allaying agents.
- The site manager must ensure continuous assessment of all dust suppression equipment to confirm its effectiveness in addressing dust suppression.
- Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust.
- Roads must be sprayed with water or an environmentally friendly dust allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits.
- The crusher plant must have operational water sprayers to alleviate dust generation from the conveyor belts.

Noise Handling:

The risk of noise, generated from the proposed mining activities, having a negative impact on the surrounding environment can be reduced to being low medium through the implementation of the mitigation measures listed below:

- The applicant must ensure that employees and staff conduct themselves in an acceptable manner while on site, both during work hours and after hours.
- No loud music may be permitted at the mining area.
- All mining vehicles must be equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act.
- The type, duration and timing of the blasting procedures must be planned with due cognisance of other land users and structures in the vicinity.
Surrounding land owners must be notified in writing prior blasting occasions.

Management of weed or invader plants:

The risk of weeds or invader plants invading the disturbed area can be reduced to being low through the implementation of the mitigation measures listed below:

- A weed and invader plant control management plan must be implemented at the site to ensure eradication of all listed invader plants in terms of Conservation of Agricultural Act (Act No 43 1983).
- Management must take responsibility to control declared invader or exotic species on the rehabilitated areas. The following control methods can be used:

- "The plants can be uprooted, felled or cut off and can be destroyed completely."
- "The plants can be treated with an herbicide that is registered for use in connection therewith and in accordance with the directions for the use of such an herbicide."

Storm water Handling:

The risk of contamination through dirty storm water escaping from work areas, or erosion or loss of material caused due to uncontrolled storm water flowing through the mining area can be reduced to being low through the implementation of the mitigation measures listed below:

- Storm water must be diverted around the topsoil heaps, stockpile areas and access roads to prevent erosion and loss of material.
- Runoff water must also be diverted around the stockpile areas with trenches and contour structures to prevent erosion of the work areas.
- Mining must be conducted only in accordance with the Best Practice Guideline for small scale mining that relates to storm water management, erosion and sediment control and waste management, developed by the Department of Water and Sanitation (DWS), and any other conditions which that Department may impose:
 - Clean water (e.g. rainwater) must be kept clean and be routed to a natural watercourse by a system separate from the dirty water system. You must prevent clean water from running or spilling into dirty water systems.
 - Dirty water must be collected and contained in a system separate from the clean water system.
 - Dirty water must be prevented from spilling or seeping into clean water systems.
 - The storm water management plan must apply for the entire life cycle of the mine and over different hydrological cycles (rainfall patterns).
 - The statutory requirements of various regulatory agencies and the interests of stakeholders must be considered and incorporated into the storm water management plan.

Management of Health and Safety Risks:

The health and safety risk, posed by the proposed mining activities can be reduced to being low through the implementation of the mitigation measures listed below:

- The type, duration and timing of the blasting procedures must be planned with due cognisance of other land users and structures in the vicinity,
- The surrounding landowners and communities must be informed in writing ahead of any blasting event,
- Measures to limit fly rock must be taken,
- Audible warning of a pending blast must be given at least 3 minutes in advance of the blast,
- All fly rock (of diameter 150 mm and larger) which falls beyond the working area, together with the rock spill must be collected and removed,
- Workers must have access to the correct personal protection equipment (PPE) as required by law.
- All operations must comply with the Occupational Health and Safety Act.

Waste Management:

The risk of waste generation having a negative impact on the surrounding environment can be reduced to being low through the implementation of the mitigation measures listed below:

- No processing area or waste pile may be established within 100 m of the edge of any river channel or other water bodies.
- Regular vehicle maintenance may only take place within the service bay area of the off-site workshop. If emergency repairs are needed on equipment not able to move to the workshop, drip trays must be present. All waste products must be disposed of in a 200 litre closed container/bin to be removed from the emergency service area to the workshop in order to ensure proper disposal.
- Any effluents containing oil, grease or other industrial substances must be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.
- Spills must be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing it at a recognised facility. Proof should be filed.
- Suitable covered receptacles should be available at all times and conveniently placed for the disposal of waste.
- Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., should be stored in a container with a closable lid at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific

precautions should be taken to prevent refuse from being dumped on or in the vicinity of the mine area.

- Biodegradable refuse generated should be handled as indicated above.

Management of Access Roads:

The risk on the condition of the roads, as a result of the proposed mining activities, can be reduced to being low-medium through the implementation of the mitigation measures listed below:

- Storm water should be diverted around the access roads to prevent erosion.
- Erosion of access road: Vehicular movement must be restricted to existing access routes to prevent crisscrossing of tracks through undisturbed areas. Rutting and erosion of the access road caused as a result of the mining activities should be repaired by the applicant.

Protection of fauna and flora:

The risk on the fauna and flora of the footprint area as well as the surrounding environment, as a result of the proposed mining activities, can be reduced to being low through the implementation of the mitigation measures listed below:

- The site manager should ensure that no fauna is caught, killed, harmed, sold or played with.
- Workers should be instructed to report any animals that may be trapped in the working area.
- No snares may be set or nests raided for eggs or young.
- No plants or trees may be removed without the approval by the ECO.

(x) Motivation where no alternative sites were considered.

Elispec Mining Pty Ltd identified the requirement for granite within the close business space because of a rise in building, construction and road maintenance projects. during this light-weight the individual known the projected space as most well-liked and solely viable web site different. The establishment of a quarry is in a brownfield space whereas there no existing quarry close. within the light-weight of the higher than the impacts related to establishing another quarry pit during a brownfield site on the property is believed to possess a better significance while not the requirement or motivation to justify it. Various project alternatives were considered during the planning phase of the project and the preferred alternatives proofed to be:

- The quarry has been identified as the most effective method to produce the desired granite.

- The use of temporary infrastructure will highly reduce the impact on the environment and decreasing the closure objectives with regard to decommissioning of infrastructure.

(xi) Statement motivating the alternative development location within the overall site.

(Provide a statement motivating the final site layout that is proposed)

The quarry has been identified because the most value effective methodology to supply the required granite. The planned methodology won't turn out any residual waste that needs to be disposed of. due to the remote location of the quarry the potential impacts on the encompassing environment, related to open quarry, is deemed to be of low significance. it's planned that each one mining connected infrastructure are going to be contained inside the boundary of the mining space. As no permanent infrastructure are going to be established on website the layout/position of the temporary infrastructure will be determined by the mining progress and accessible space inside the 5 ha mining area

(xii) Full description of the process undertaken to identify, assess and rank the impacts and risks the activity will impose on the preferred site (In respect of the final site layout plan) through the life of the activity.

(Including (i) a description of all environmental issues and risks that were identified during the environmental impact assessment process and (ii) an assessment of the significance of each issue and risk and an indication of the extent to which the issue and risk could be avoided or addressed by the adoption of mitigation measures)

During the impact assessment process the following potential impacts were identified of each main activity in each phase. An initial significance rating (listed under v) *Impacts and Risks Identified*) was determined for each potential impact should the mitigation measures proposed in this document not be implemented on-site. The impact assessment process then continued in identifying mitigation measures to address the impact that the proposed mining activity may have on the surrounding environment. The significance rating was again determined for each impact using the methodology as explained under vii) *Methodology Used in Determining and Ranking the Significance*.

k) Assessment of each identified potentially significant impact and risk

(This section of the report must consider all the known typical impacts of each of the activities (including those that could or should have been identified by knowledgeable persons and not only those that were raised by registered interested and affected parties).

Abbreviation used: L - Low M - Medium H -High

NAME OF ACTIVITY (E.g. For prospecting – drill site, site camp, ablation facilities, accommodation, equipment storage, sample storage, site office, access route etc. E.g. for mining – excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablation, stores workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)	POTENTIAL IMPACT (Including the potential impacts for cumulative impacts) (e.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc...etc..)	ASPECTS AFFECTED	PHASE In which impact is anticipated (e.g. Construction, commissioning, operational Decommissioning closure, post-closure)	SIGNIFICANCE if not mitigated	MITIGATION TYPE (modify, remedy, control or stop) Through (E.g. noise control measures, storm-water control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc...etc..) E.g. Modify through alternative method. Control through noise control Control through management and monitoring through rehabilitation.	SIGNIFICANCE if not mitigated
BLASTING	Health and safety risk posed by blasting activities	Impact might affect the employees working on site.	Operational Phase	M	<u>Control:</u> Health and safety monitoring and management	L

	Dust nuisance caused by blasting activities	Dependent on the blast, the impact might affect the surrounding community. Blasting will only occur twice a year.		L – M	<u>Control:</u> Dust suppression	L – M
	Noise nuisance caused by blasting activities	Dependent on the blast, the impact might affect the surrounding community. Blasting will only occur twice a year.		L – M	<u>Control:</u> Noise control measures	L
EXCAVATION	Visual intrusion associated with the excavation activities	The visual impact may affect the residents of the immediate area.	Operational Phase	M – H	<u>Control:</u> Implementation of proper housekeeping	M
	Dust nuisance due to excavation activities.	Dust will be contained within the property boundaries and will therefore affect only the landowner.		M	<u>Control:</u> Dust suppression	L
	Noise nuisance generated by excavation equipment.	The noise impact should be contained within the boundaries of the property but might have a periodic impact on the closest residents of the Mbuzini community.		M – H	<u>Control:</u> Noise control measures	Low
	Unsafe working conditions for employees.	Impact might affect employees.		L	<u>Control:</u> Health and safety monitoring and management	L
	Negative impact on the fauna and flora of the area.	Biodiversity		M	<u>Control:</u> Protection of fauna and flora	L

					through operational phase	
	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.		M	<u>Control:</u> Implementation of waste management	L
	Weed and invader plant infestation of the area.	Biodiversity		L - M	<u>Control:</u> Implementation of weed control	L
CRUSHING	Dust nuisance due to the crushing activities	Dust will be contained within the property boundaries and will therefore affect only the landowner.	Operational Phase	M	<u>Control:</u> Dust suppression	L - M
	Noise nuisance generated by the crushing activities.	The noise impact should be contained within the boundaries of the property but might have a periodic impact on the closest residents of the Mbuzini community.		M	<u>Control:</u> Noise control measures	L - M
	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.		M	<u>Control:</u> Implementation of waste management	L
STOCKPILING AND TRANSPORTING	Visual intrusion associated with the stockpiled material and vehicles transporting the material.	The visual impact may affect the residents of the immediate area.	Operational Phase	M	<u>Control:</u> Implementation of proper housekeeping	L - M

	Loss of material due to ineffective storm water handling.	Impact will affect income of applicant.		L – M	<u>Control:</u> Storm water control measures	L
	Weed and invader plant infestation of the area due to the disturbance of the soil	Biodiversity		L – M	<u>Control & Remedy:</u> Implementation of weed control	L
	Dust nuisance from stockpiled material and vehicles transporting the material.	Dust will be contained within the property boundaries and will therefore affect only the landowner.		M	<u>Control:</u> Dust suppression	L
	Degradation of access roads.	All road users will be affected.		M	<u>Control & Remedy:</u> Road management	L – M
	Noise nuisance caused by vehicles.	The noise impact should be contained within the boundaries of the property, but might have a periodic impact on the closest residents of the mbuzini community.		M	<u>Control:</u> Noise management monitoring and management	L
	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.		M	<u>Control:</u> Implementation of waste management	L
REHABILITATION OF THE QUARRY AREA	Soil Erosion	Biodiversity	Decommissioning Phase	L – M	<u>Control:</u> Soil management	L
	Health and safety risk posed by un-sloped areas	Impact will affect the employees and residents of the property.		M – H	<u>Control:</u> Health and safety monitoring and management.	L

Dust nuisance caused during sloping and landscaping activities.	Dust will be contained within the property boundaries and will therefore affect only the landowner.
Noise nuisance caused by machinery.	The noise impact should be contained within the boundaries of the property, but might have a periodic impact on the closest residents of the Mbuzini community.
Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.

L - M	<u>Control:</u> Dust suppression	L
L - M	<u>Control:</u> Noise monitoring	L
L - M	<u>Control:</u> Waste management	L

The supporting impact assessment conducted by the EAP must be attached as an appendix, marked **Appendix F)**

I) Summary of specialist reports.

(This summary must be completed if any specialist reports informed the impact assessment and final site layout process and must be in the following tabular form):-

LIST OF STUDIES UNDERTAKEN	RECOMMENDATIONS OF SPECIALIST REPORTS	SPECIALIST RECOMMENDATIONS THAT HAVE BEEN INCLUDED IN THE EIA REPORT (Mark with an X where applicable)	REFERENCE TO APPLICABLE SECTION OF REPORT WHERE SPECIALIST RECOMMENDATIONS HAVE BEEN INCLUDED
<p>Geo-hydrological Study</p>	<ul style="list-style-type: none"> The construction of the workshops, cleaning bays and fuel dispensing areas of the construction camps should be in such a way that no accidental spillages leave the site and surface and storm water run-off be diverted through an oil/water separator before leaving the site. Emergency Spill Response Procedures should be in place with capable people with the necessary training available at strategic locations to follow these procedures in the case of major accidents and/or accidental spillages. Training of workers to prevent pollution, equipment and vehicle maintenance, fast and effective clean-up of spills, effective waste management, manage clean and dirty water in accordance. Conduct water monitoring and implement remedial actions as required and effective rehabilitation to as close to pre-mining conditions as practically possible. 	<p>X</p>	<p>(ix) Management of Health and Safety Risks</p> <p>Waste Management</p>
<p>Soil Study</p>	<p>A detailed soil study explains the current land use of the project, land capability of the project. The recommendations explained on soil study attached as appendix</p>	<p>X</p>	<p>(ix) Management of Health and Safety Risks</p> <p>Waste Management</p>

m) Environmental impact statement

(i) Summary of the key findings of the environmental impact assessment;

The key findings of the environmental impact assessment entail the following:

- The project entails the establishment of new quarry over an area currently unutilised. Therefore very little natural vegetation has to be disturbed as a result of the mining activities.
- The existing roads and trails to the proposed quarry can be used to gain access to the site. Trails need to be upgraded to be in a usable standard by quarry vehicle
- The off-site workshop of the applicant will be used for servicing of vehicles thereby reducing the risk of hazardous spills and contamination at the mining site.
- Due to the remote setting of the quarry the majority of potential impacts can be contained within the boundaries of Mbuzini Village, under magisterial district of Nkomazi provided that the mitigation measures proposed in this document is implemented on-site.
- The mining operation will have a temporary visual impact on the surrounding environment. Upon closure of the proposed mining area the visual impact on the proposed mining area will be mitigated and addressed.
- The proposed project is not expected to have an impact on the river passing next to the site as mining activities will be contained within the boundaries of the permitted site. Proper storm water and waste management however needs to be implemented on the site in order to minimise the potential of pollution.

(ii) Final Site Map

Provide a map at an appropriate scale which superimposes the proposed overall activity and its associated structure and infrastructure on the environmental sensitivities of the preferred site indicating any areas that should be avoided, including buffers. Attach as Appendix.

See the map indicating site activities attached as Appendix A.

(iii) Summary of the positive and negative impacts and risks of the proposed activity and identified alternatives;

The positive impacts associated with the project include:

- Job creation for approximately five - fifteen employees indirectly contributing to the socio-economic status of the Mbuzini area,

- The granite to be mined will be used for various purposes in the vicinity of the local community, thereby indirectly contributing to infrastructure development.
- The proposed quarry will contribute to the upgrading/maintenance of infrastructure in and around Mbuzini Village, other surrounding villages and Mbombela as a whole.

The negative impacts associated with the project that was deemed to have a Low-Medium or Medium significance includes:

Abbreviation: L - Low M - Medium H -High

	▪ VISUAL INTRUSION ASSOCIATED WITH THE ESTABLISHMENT OF THE	▪ M
	▪ mining area	▪ H
	▪ Visual intrusion associated with the excavation activities	▪ M
	▪ Visual intrusion associated with the stockpiled material	▪ L-M
	▪ and vehicles transporting the material	▪ L-M
	▪ Dust nuisance caused by blasting activities	▪ L-M
	▪ Dust nuisance due to the crushing activities	▪ L-M
	▪ Noise nuisance generated by excavation equipment	▪ L-M
	▪ Noise nuisance generated by the crushing activities	▪ L-M
	▪ Degradation of access roads	▪ L-M

n) Proposed impact management objectives and the impact management outcomes for inclusion in the EMPr;

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 condition of authorisation.

Objectives Management	Role	Outcomes Management
Dust Handling	Site Manager to ensure compliance with the guidelines as stipulated in the EMP. Compliance to be monitored by the Environmental Control Officer.	<ul style="list-style-type: none"> ✓ Control and manage the liberation of dust into the surrounding environment by the use of; inter alia, water spraying and/or other dust allaying agents. ✓ Limit speed on the access roads to 40km/h to prevent and manage the generation of excess dust.

		<ul style="list-style-type: none"> ✓ Spray roads with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits.
Management Objectives	Role	Management Outcomes
		<ul style="list-style-type: none"> ✓ Assess effectiveness of dust suppression equipment daily. ✓ Ensure the crusher plant have operational water sprayer to alleviate dust generation from the conveyor belts.
Noise Handling	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Ensure that employees and staff conduct themselves in an acceptable manner while on site. ✓ No loud music may be permitted at the mining area during operation hours. ✓ Ensure that all mining vehicles are equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act. ✓ Plan the type, duration and timing of the blasting procedures with due cognisance of other land users and structures in the vicinity. ✓ Notify surrounding land owners in writing prior blasting occasions.
Management of weed/invader plants	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Implement a weed and invader plant control management plan. ✓ Control declared invader or exotic species on the rehabilitated areas. ✓ Keep the temporary topsoil stockpiles free of weeds.
Surface and Storm water Handling	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Divert storm water around the topsoil heaps, stockpile areas and access roads to prevent erosion and loss of material. ✓ Divert runoff water around the stockpile areas with trenches and contour structures to prevent erosion of the work areas. ✓ Conduct mining in accordance with the Best Practice Guideline for small scale mining that relates to storm water management, erosion and sediment control and waste management, developed by the Department of Water and Sanitation (DWS), and any other conditions which that Department may impose.

<p>Management of health and safety risks</p>	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p> <p>Blasting contractor to comply with national blasting requirements.</p>	<ul style="list-style-type: none"> ✓ Plan the type, duration and timing of the blasting procedures with due cognisance of other land users and structures in the vicinity, ✓ Inform the surrounding landowners and communities of any blasting event, ✓ Use noise mufflers and/or soft explosives during blasting, limit fly rock, ✓ Give audible warning of a pending blast at least 3 minutes in advance of the blast, Remove all fly rock (of diameter 150 mm and larger) which falls beyond the working area, together with the rock spill.
Management Objectives	Role	Management Outcomes
		<ul style="list-style-type: none"> ✓ Ensure that workers have access to the correct PPE as required by law. ✓ Ensure all operations comply with the Occupational Health and Safety Act.
<p>Waste management</p>	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Ensure no waste pile is established within 100 m of the edge of any river channel or other water bodies. ✓ Ensure regular vehicle maintenance only take place within the service bay area of the off-site workshop. If emergency repairs are needed on site, ensure drip trays is present. Ensure all waste products are disposed of in a 200 litre closed container/bin inside the emergency service area. ✓ Collect any effluents containing oil, grease or other industrial substances in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility. ✓ Clean spills immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing of them at a recognised facility. File proof. ✓ Ensure the availability of suitable covered receptacles at all times and conveniently placed for the disposal of waste.
		<ul style="list-style-type: none"> ✓ Store non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., in a container with a closable lid at a collecting point. Collection should take place on a regular basis and disposed of at the recognised landfill site at Mbuzini. Prevent refuse from being dumped on or in the vicinity of the mine area. ✓ Biodegradable refuse to be handled as indicated above.

Management of access roads	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Divert storm water around the access roads to prevent erosion. ✓ Erosion of access road: Restrict vehicular movement to existing access routes to prevent crisscrossing of tracks through undisturbed areas.
Topsoil handling	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ No soil stockpile will be done on the site since the granite is visible, only office site and access road to mining permit will be managed to avoid soil compaction. ✓ Soil specialist will recommend after rehabilitation if it is on required standard.
Management Objectives	Role	Management Outcomes
Fauna and Flora	<p>Site Manager to ensure compliance with the guidelines as stipulated in the EMP.</p> <p>Compliance to be monitored by the Environmental Control Officer.</p>	<ul style="list-style-type: none"> ✓ Ensure no fauna is caught, killed, harmed, sold or played with. ✓ Instruct workers to report any animals that may be trapped in the working area. Ensure no snares are set or nests raided for eggs or young. ✓ Do not remove plants or trees without the approval by the ECO.

o) Aspects for inclusion as conditions of Authorisation.

Any aspects which must be made conditions of the Environmental Authorisation

The management objectives listed in this report under section M above should be considered for inclusion in the environmental authorisation.

p) Description of any assumptions, uncertainties and gaps in knowledge.

(Which relate to the assessment and mitigation measures proposed)

The assumptions made in this document which relate to the assessment and mitigation measures proposed, stem from site specific information gathered from the property owner, as well as site inspections, and background information gathering.

q) Reasoned opinion as to whether the proposed activity should or should not be authorised

(i) Reasons why the activity should be authorised or not.

Should the mitigation measures and observation programmes proposed during this document be enforced on site, no fatal flaws can be known that were deemed as severe on prevent the activity continued.

(ii) Conditions that must be included in the authorisation

The management objectives recorded in this report under section N should be considered for inclusion in the environmental authorisation.

r) Period for which the Environmental Authorisation is required.

The applicant requests the Environmental Authorisation to be valid for a five year period.

s) Undertaking

Confirm that the undertaking required to meet the requirements of this section is provided at the end of the EMPr and is applicable to both the Basic assessment report and the Environmental Management Programme report.

The undertaking required to meet the requirements of this section is provided at the end of the EMPr and is applicable to both the Basic Assessment Report and the Environmental Management Programme report. The undertaking has been provided at the end of the report.

t) Financial Provision

State the amount that is required to both manage and rehabilitate the environment in respect of rehabilitation.

(i) Explain how the aforesaid amount was derived


A financial provision of R 1 292 824.00 is proposed for the mining application.

(ii) Explain how the aforesaid amount was derived.

The amount was derived from the quantum calculations.

(iii) Confirm that this amount can be provided from operating expenditure.

(Confirm that the amount is anticipated to be an operating cost and is provided for as such in the Mining Work Programme, Financial and Technical Competence Report or Prospecting Work Programme as the case may be).

CALCULATION OF THE QUANTUM							
 Shando Ka Ndaba Business Enterprises		Portion of a Portion of Farm Matabula 701 JU					
		Date: 25-09-2018					
Risk Class							
Area Sensitivity							
No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master rate	Multiplication factor	Weighting factor 1	Amount (rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0,00	13,30	1,00	0,90	0
2(A)	Demolition of steel buildings and structures	m2	0,00	183,72	1,00	0,90	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0,00	270,77	1,00	0,90	0
3	Rehabilitation of access roads	m2	400,00	32,86	1,00	0,90	11 830
4(A)	Demolition and rehabilitation of electrified railway lines	m	0,00	319,11	0,00	0,90	0
4(B)	Demolition and rehabilitation of non-electrified railway lines	m	0,00	174,06	0,00	0,90	0
5	Demolition of housing and/or administration facilities	m2	0,00	368,61	1,00	0,90	0
6	Opencast rehabilitation including final voids and ramps	ha	4,47	192 629,82	1,00	0,90	774 950
7	Sealing of shafts, adits and inclines	m3	0,00	98,63	0,00	0,90	0
8(A)	Rehabilitation of overburden and spoils	ha	0,07	128 419,87	1,00	0,90	8 090
8(B)	Rehabilitation of processing waste deposits and evaporation ponds (basic salt-producing waste)	ha	0,05	159 944,63	1,00	0,90	7 198
8(C)	Rehabilitation of processing waste deposits and evaporation ponds (acidic, metal-rich waste)	ha	0,00	464 555,03	1,00	0,90	0
9	Rehabilitation of subsided areas	ha	0,00	107 532,30	0,00	0,90	0
10	General surface rehabilitation	ha	5,00	101 730,19	0,50	0,90	228 893
11	River diversions	ha	0,00	101 730,19	1,00	0,90	0
12	Fencing	m	0,00	116,03	1,00	0,90	0
13	Water management	ha	0,00	38 680,68	0,50	0,90	0
14	2 to 3 years of maintenance and aftercare	ha	0,00	13 538,24	1,00	0,90	0
15A	Specialist study	Sum	0,00	0,00	0,00	0,00	
15B	Specialist studies (soil remediation)	ha	0,00	0,00	0,00	0,00	0,00
SubTotal 1							1 030 960
(Sum of items 1 to 15 above)							
1	Preliminary and General		6,0% if Subtotal 1 > 100 000 000		Weighting factor 2		
			12,0% if Subtotal 1 < 100 000 000		0,00		0
7	Contingency		10,0% of Subtotal 1				103 096
SubTotal 2							1 134 056
(Subtotal 1 plus sum of management and contingency)							
Add Vat (15%)							158 768
GRAND TOTAL							1 292 824
(Subtotal 2 plus VAT)							

The amount of R **1 292 824.00** for financial provision was calculated for the mining application. Financial provision will be made in the form of a bank guarantee upon the successful granting of the mining permit.

u) Specific Information required by the competent Authority

Compliance with the provisions of sections 24(4) (a) and (b) read with section 24 (3)(a) and (7) of the National Environmental Management Act (Act 107 of 1998). The EIA report must include the:-

1) Impact on the socio-economic conditions of any directly affected person.

(Provide the results of investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any directly affected person including the landowner, lawful occupier, or, where applicable, potential beneficiaries of any land restitution claim, attach the investigation report as an Appendix.)

A consultation method was enforced, the aim of that was to supply affected parties the chance to lift any potential concerns. No socio-economic conditions of the direct affected party are affected.

Due to the remote location of the quarry little or no to no negative impacts on the community might be known that were deemed to be of serious importance. The dust and noise impacts which will emanate from the mining space throughout the operational part might have a negative impact on the surrounding community if the mitigation measures proposed during this document isn't enforced and managed on-site. but because of the distance of the community from the mining space (± 500 m) these impacts are deemed to be of low-medium significance. The operation of the mine will however also have a number of positive impacts such as job creation for approximately fifteen permanent workers. The granite to be removed from the quarry will be used for the different purpose in the vicinity of local community and other area worldwide. The proposed quarry will therefore contribute to the upgrading/maintenance of infrastructure in and around Mbuzini and Mbombela as a whole.

2) Impact on any national estate referred to in section 3(2) of the National Heritage Resources Act.

(Provide the results of investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any national estate referred to in section 3(2) of the National Heritage Resources Act, 1999 (Act No 25 of 1999) with the exception of the national estate contemplated in section 3(2)(i)(vi) and (vii) of the Act, attach the investigation report as Appendix 2.19.2 and confirm that the applicable mitigation is reflected in 2.5.3; 2.11.6 and 2.12 herein).

Heritage resources such as Stone Age sites, rock paintings and engravings; stone tools; small, inconspicuous stone walled sites from the Late Iron Age farming communities; formal and informal graveyards, etc. One grave has been identified during site assessment which is located approximately 278.86m south east of the proposed project and Samora mashele's monument is located 3km East of the proposed project. Should any heritage resources of significance be exposed during the construction or rather operational phase of the project, the South African Heritage Resources Agency

(SAHRA) should be notified immediately, all development activities should be stopped, and an archaeologist accredited with the association for Southern African Professional Archaeologist (ASAPA) should be notified to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the required mitigation measures.



Figure 17: Grave identified during site assessment which is located approximately 279m away from the permit

The grave identified during site assessment within the applied property of portion of Mbuzini village will not be disturbed during the mining operation since the permit is located approximately 279m away from the identified grave.

v) Other matters required in terms of section 24(4)(a) and (b) of the Act.

(the EAP managing the application must provide the competent authority with detailed, written proof of an investigation as required by section 24(4)(b)(i) of the Act and motivation if no reasonable or feasible alternatives, as contemplated in sub-regulation 22(2)(h), exist. The EAP must attach such motivation as Appendix A)

The infrastructure needed in support of the proposed mining project and also the activities included during this application, is so determined by the location of the Granite reserve and also the mining technique to be used.

PART B

ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

(i) Draft environmental management programme.

a) Details of the EAP,

(Confirm that the requirements for the provision of the details and expertise of the EAP are already included in Part A, section 1(a) herein as required).

The details and expertise of Ndinanyi Kenneth Singo of Singo Consulting Limited that acts as EAP on this project has been included in Part A Section 1(a).

b) Description of the Aspects of the Activity

(Confirm that the requirements to describe the aspects of the activity that are covered by the draft environmental management programme is already included in PART A, section (1)(h) herein as required).

The aspects of the activity that are covered by the environmental management programme has been described and included in Part A, section (1)(h).

c) Composite Map

(Provide a map (Attached as an Appendix) at an appropriate scale which superimposes the proposed activity, its associated structures, and infrastructure on the environmental sensitivities of the preferred site, indicating any areas that any areas that should be avoided, including buffers)

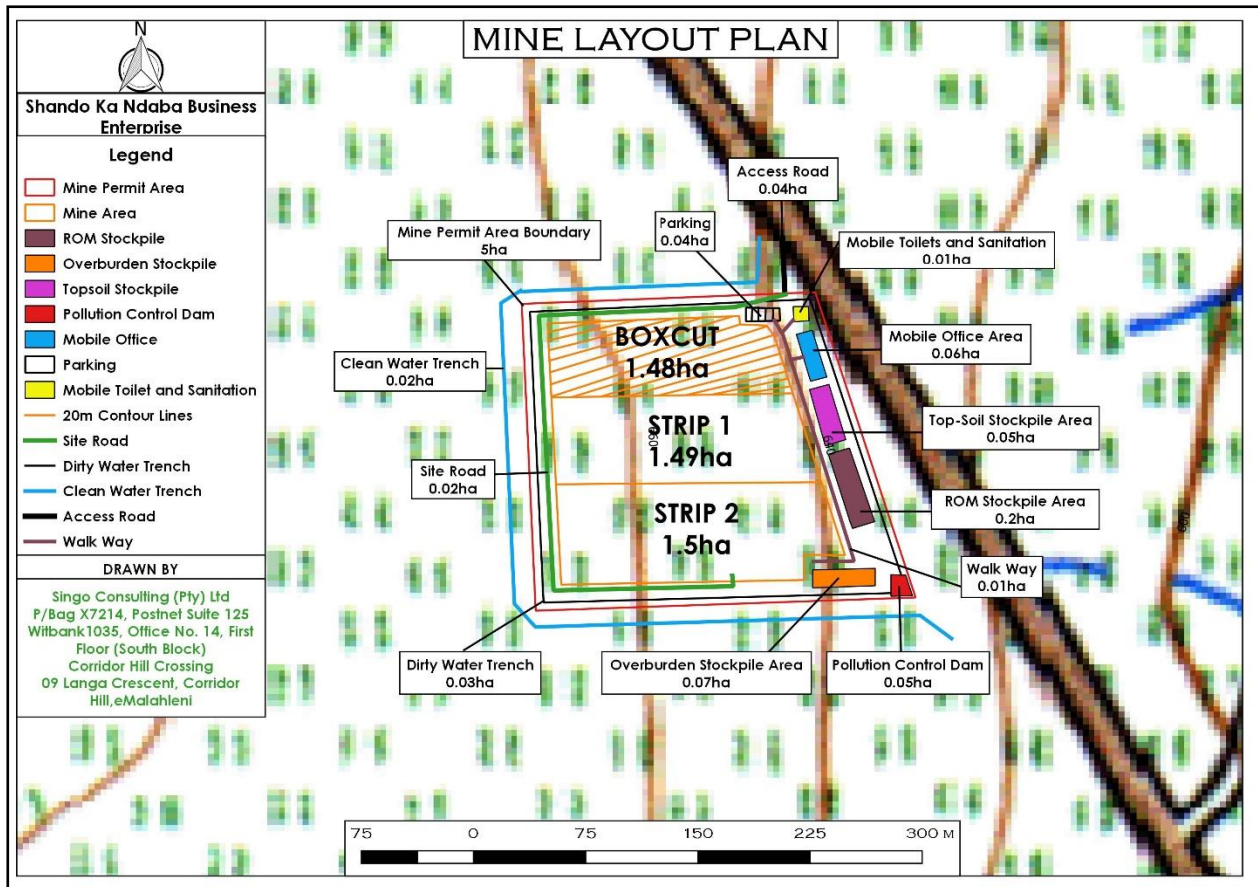


Figure 18: Infrastructure Plan

d) Description of impact management objectives including management statements

(i) Determination of closure objectives.

(Ensure that the closure objectives are informed by the type of environment described)

The decommissioning part can entail the rehabilitation of the mining site. Upon halt of the mining activities, the area is absolutely restored. The applicant can adjust to the minimum closure objectives as prescribed by DMR and detailed below.

Rehabilitation of the excavated area:

- Waste rocks and coarse material removed from the excavation must be dumped into the mined area.
- No waste will be permitted to be deposited in the permit area.
- The area shall be fertilized if necessary, to allow vegetation to establish rapidly. The site shall be seeded with a local or adapted indigenous seed mix in order to propagate the locally or regionally occurring flora, should natural vegetation not re-establish within 6 months from closure of the site.
- If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and

any deleterious effects on the soil arising from the mining operation be corrected and the area be seeded with a vegetation seed mix to his or her specification.

Rehabilitation of plant area:

- The compacted areas shall be ripped, and the topsoil returned over the area.
- On completion of operations, all structures or objects shall be dealt with in accordance with Section 44 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002):
 - Where sites have been rendered devoid of vegetation/grass or where soils have been compacted owing to traffic, the surface shall be scarified or ripped.
 - The site shall be seeded with a vegetation seed mix adapted to reflect the local indigenous flora if natural vegetation does not re-establish within 6 months of the closure of the site.
- Photographs of the mining space and office sites, before and through the mining operation and after rehabilitation, shall be taken at designated fixed points and kept on record for the data of the Regional Manager.
- On completion of mining operations, the surface of these areas, if compacted due to hauling and dumping operations, shall be scarified to a depth of at least 300 mm and graded to an even surface condition and the previously stored topsoil will be returned to its original depth over the area.
- The area shall then be fertilized if necessary, to allow vegetation to establish rapidly. The site shall be seeded with a local, adapted indigenous seed mix if natural vegetation does not re-establish within 6 months after closure of the site.
- If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the mining operation be corrected and the area be seeded with a seed mix to his or her specification.

Final rehabilitation:

- Rehabilitation of the surface area shall entail landscaping, levelling, top dressing, land preparation, seeding (if required) and maintenance, and weed / alien clearing.
- All infrastructure, equipment, plant, temporary housing and other items used during the mining period will be removed from the site (section 44 of the MPRDA).
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.
- Weed / Alien clearing will be done in a sporadic manner during the life of the mining activities.

- Species regarded as Category 1 weeds according to CARA (Conservation of Agricultural Recourses Act, 1983 – Act 43; Regulations 15 & 16 (as amended in March 2001) need to be eradicated from the site.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

(ii) Volume and rate of water use required for the operation

Water will only be used for dust suppression purposes as the mining method does not require any washing or related process water. Water sprayers will be fixed to the crusher plant and a water truck will be used to spray access roads and stockpile areas to alleviate dust generation. It is proposed that the mining activities will require approximately 10 000L of water per day.

(iii) Water Use License application

Best practice guidelines will be used for mine water management, mine water characterisation, mine water resource protection, mine water treatment and development of mine water management model (Best Practice Guidelines: Series A, G, & H), hence a water use licence has not been applied for.

(iv) Impacts to be mitigated in their respective phases

Table 10: Measures to rehabilitate the environment affected by the undertaking of any listed activity

ACTIVITIES	PHASE	SIZE AND	MITIGATION MEASURES	COMPLIANCE WITH	TIME PERIOD FOR
(E.g. For prospecting –	(of operation in which	SCALE OF	(Modify, remedy, control, or stop through,	STANDARDS	IMPLEMENTATION
drill site, site camp, ablution	activity will take place	DISTURBAN	e.g. noise control measures, storm water	(A description of how	Describe the time period
facilities, accommodation,	State:	CE	control, dust control, rehabilitation, design	each of the	when the measures in the
equipment storage, sample	Planning and design,	(volumes,	measures, Drilling controls, avoidance,	recommendations	environmental management
storage, site office, access	Pre-	tonnages and	relocation, alternative activity, etc.	wherein will comply with	programme must be
route etc.	Construction,	hectares or	E.g. modify through alternative metho	any prescribed	implemented. Measures
E.g. for mining –	Construction	m ²)	through noise control, control through m	environmental	must be implemented when
excavations, blasting,	Operational,		and monitoring, and remedy through re	management standards	required. With regard to
stockpiles, discard dumps or	Rehabilitation,			or practices that have	rehabilitation specifically this
dams,	Closure, Post			been identified by	must take place at the
Loading, hauling and	Closure)			Competent	earliest opportunity. With
transport,				Authorities)	regard to rehabilitation,
Water supply dams and					therefore state either...
boreholes, accommodation,					Upon cessation of the
offices, ablution, stores					individual activity
workshops, processing plant,					Or,
storm water control, berms,					Upon the cessation of mining,
roads, pipelines, power lines,					bulk sampling or alluvial
conveyors, etc...etc...etc.)					diamond prospecting as the
					case may be.

<p>Blasting</p>	<p>Operational Phase</p>	<p>3.9 ha</p>	<p>Management of Health and Safety Risks:</p> <ul style="list-style-type: none"> • The type, duration and timing of the blasting procedures must be planned with due cognisance of other land users and structures in the vicinity, • The surrounding landowners and communities must be informed in writing ahead of any blasting event, • Measures to limit fly rock must be taken, • Audible warning of a pending blast must be given at least 3 minutes in advance of the blast, • All fly rock (of diameter 150mm and larger) which falls beyond the working area, together with the rock spill must be collected and removed, • Workers must have access to the correct personal protection equipment (PPE) as required by law. 	<ul style="list-style-type: none"> • Health and Safety: MHSa, 1996 OHSa, 1993 OHSAS 18001 • Dust and Noise: NEM:AQA, 2004 Regulation 6(1) 	<p>Applicable with each blasting event.</p>
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			<ul style="list-style-type: none"> • All operations must comply with the Occupational Health and Safety Act. <p>Dust Handling:</p> <ul style="list-style-type: none"> • The liberation of dust into the surrounding environment must be effectively controlled by the use of, inter alia, water spraying and/or other dust-allaying agents. • Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust. <p>Noise Handling:</p> <ul style="list-style-type: none"> • The applicant must ensure that employees and staff conduct themselves in an acceptable manner while on site, both during work hours and after hours. • No loud music may be permitted at the mining area. • All mining vehicles must be equipped with silencers and maintained in a road worthy 		
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			<p>condition in terms of the Road Transport Act.</p> <ul style="list-style-type: none"> The type, duration and timing of the blasting procedures must be planned with due cognisance of other land users and structures in the vicinity. Surrounding land owners must be notified in writing prior blasting occasions. 		
Excavation	Operational Phase	3.9 ha	<p>Visual Mitigation:</p> <ul style="list-style-type: none"> The site needs to have a neat appearance and be kept in good condition at all times. Upon closure the site needs to be rehabilitated and sloped to ensure that the visual impact on the aesthetic value of the area is kept to a minimum. <p>Dust Handling:</p> <ul style="list-style-type: none"> The liberation of dust into the surrounding environment must be effectively controlled by the use of, inter alia, water spraying and/or other dust-allaying agents. 	<p>Dust and Noise: NEM:AQA, 2004 Regulation 6(1)</p> <p>Health and Safety: MHSA, 1996 OHSA, 1993 OHSAS 18001</p> <p>Fauna and Flora NEM:BA, 2004</p> <p>Waste: NEM:WA, 2008</p> <p>Weeds: CARA, 1983</p>	Throughout the operational phase.

			<ul style="list-style-type: none"> • The site manager must ensure continuous assessment of all dust suppression equipment to confirm its effectiveness in addressing dust suppression. • Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust. • Roads must be sprayed with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits. <p>Noise Handling:</p> <ul style="list-style-type: none"> • The applicant must ensure that employees and staff conduct themselves in an acceptable manner while on site, both during work hours and after hours. • No loud music may be permitted at the mining area. • All mining vehicles must be equipped with silencers and 		
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			<p>maintained in a road worthy condition in terms of the Road Transport Act.</p>		
			<p>Management of Health and Safety Risks:</p> <ul style="list-style-type: none"> Workers must have access to the correct personal protection equipment (PPE) as required by law. All operations must comply with the Occupational Health and Safety Act. <p>Protection of fauna and flora:</p> <ul style="list-style-type: none"> The site manager should ensure that no fauna is caught, killed, harmed, sold or played with. Workers should be instructed to report any animals that may be trapped in the working area. No snares may be set or nests raided for eggs or young. No plants or trees may be removed without the approval by the ECO. 		

			<p>Waste Management:</p> <ul style="list-style-type: none">• No processing area or waste pile may be established within 100 m of the edge of any river channel or other water bodies.• Regular vehicle maintenance may only take place within the service bay area of the off-site workshop. If emergency repairs are needed on equipment not able to move to the workshop, drip trays must be present. All waste products must be disposed of in a 200 litre closed container/bin to be removed from the emergency service area to the workshop in order to ensure proper disposal.• Any effluents containing oil, grease or other industrial substances must be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.		
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- | | | | | | |
|--|--|--|--|--|--|
| | | | <ul style="list-style-type: none">• Spills must be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing it at a recognised facility. Proof should be filed.• Suitable covered receptacles should be available at all times and conveniently placed for the disposal of waste.• Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc, should be stored in a container with a closable lid at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific precautions should be taken to prevent refuse from being dumped on or in the vicinity of the mine area.• Biodegradable refuse generated should be indicated as above. | | |
|--|--|--|--|--|--|

			<p>Management of weed or invader plants:</p> <ul style="list-style-type: none">• A weed and invader plant control management plan must be implemented at the site to ensure eradication of all listed invader plants in terms of Conservation of Agricultural Act (Act No 43 1983).• Management must take responsibility to control declared invader or exotic species on the rehabilitated areas. The following control methods can be used:<ul style="list-style-type: none">▪ "The plants can be uprooted, felled or cut off and can be destroyed completely."▪ "The plants can be treated with an herbicide that is registered for use in connection therewith and in accordance with the directions for the use of such an herbicide."		
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			<ul style="list-style-type: none"> The temporary topsoil stockpiles need to be kept free of weeds. 		
Crushing	Operational Phase	0.3 ha	<p>Dust Handling:</p> <ul style="list-style-type: none"> The liberation of dust into the surrounding environment must be effectively controlled by the use of, inter alia, water spraying and/or other dust-allaying agents. <p>The site manager must ensure continuous assessment of all dust suppression equipment to confirm its effectiveness in addressing dust suppression.</p> <ul style="list-style-type: none"> Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust. The crusher plant must have operational water sprayers to alleviate dust generation from the conveyor belts. <p>Noise Handling:</p> <ul style="list-style-type: none"> The applicant must ensure that employees and staff conduct themselves in an 	<p>Dust and Noise: NEM:AQA, 2004 Waste: NEM:WA, 2008</p>	Throughout the operational phase.

acceptable manner while on site, both during work hours and after hours.

- No loud music may be permitted at the mining area.
- All mining vehicles must be equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act.

Waste Management:

- No processing area or waste pile may be established within 100 m of the edge of any river channel or other water bodies.
- Regular vehicle maintenance may only take place within the service bay area of the off-site workshop. If emergency repairs is needed on equipment not able to move to the workshop, drip trays must be present. All waste products must be disposed of in a 200 litre

closed container/bin to be removed from the emergency service area to the workshop in order to ensure proper disposal.

- Any effluents containing oil, grease or other industrial substances must be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.
- Spills must be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing it at a recognised facility. Proof should be filed.
- Suitable covered receptacles should be available at all times and conveniently placed for the disposal of waste.

			<ul style="list-style-type: none"> • Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc, should be stored in a container with a closable lid at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific precautions should be taken to prevent refuse from being dumped on or in the vicinity of the mine area. • Biodegradable refuse generated should be handled as indicated above. 		
Stockpiling and transporting	Operational Phase	0.7 ha	<p>Visual Mitigation:</p> <ul style="list-style-type: none"> • The site needs to have a neat appearance and be kept in good condition at all times. • Upon closure the site needs to be rehabilitated and sloped to ensure that the visual impact on the aesthetic value of the area is kept to a minimum. <p>Storm water Handling:</p>	<p>Storm Water: NWA, 1998</p> <p>Weeds: CARA, 1983</p> <p>Dust and Noise: NEM:AQA, 2004 Regulation 6(1)</p> <p>Waste: NEM:WA, 2008</p>	Throughout the operational phase.

			<ul style="list-style-type: none">• Storm water must be diverted around the stockpile areas and access roads to prevent erosion and loss of material.• Runoff water must also be diverted around the stockpile areas with trenches and contour structures to prevent erosion of the work areas.• Mining must be conducted only in accordance with the Best Practice Guideline for small scale mining that relates to storm water management, erosion and sediment control and waste management, developed by the Department of Water and Sanitation (DWS), and any other conditions which that Department may impose:• Clean water (e.g. rainwater) must be kept clean and be routed to a natural watercourse by a system separate from the dirty water system. You must prevent		
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			<p>clean water from running or spilling into dirty water systems.</p> <ul style="list-style-type: none"> • Dirty water must be collected and contained in a system separate from the clean water system. • Dirty water must be prevented from spilling or seeping into clean water systems. • The storm water management plan must apply for the entire life cycle of the mine and over different hydrological cycles (rainfall patterns). • The statutory requirements of various regulatory agencies and the interests of stakeholders must be considered and incorporated into the storm water management plan. <p>Management of weed or invader plants:</p> <ul style="list-style-type: none"> • A weed and invader plant control management plan must be implemented at the site to ensure eradication of all 		
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			<p>listed invader plants in terms of Conservation of Agricultural Act (Act No 43 1983).</p> <ul style="list-style-type: none"> • Management must take responsibility to control declared invader or exotic species on the rehabilitated areas. The following control methods can be used: • The plants can be uprooted, felled or cut off and can be destroyed completely." • The plants must be treated with an herbicide that is registered for use in connection therewith and in accordance with the directions for the use of such an herbicide." <p>Dust Handling:</p> <ul style="list-style-type: none"> • The liberation of dust into the surrounding environment must be effectively controlled by the use of, inter alia, water spraying and/or other dust-allaying agents. 		
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			<ul style="list-style-type: none"> • The site manager must ensure continuous assessment of all dust suppression equipment to confirm its effectiveness in addressing dust suppression. • Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust. • Roads must be sprayed with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits. <p>Management of Access Roads:</p> <ul style="list-style-type: none"> • Storm water should be diverted around the access roads to prevent erosion. <p>Vehicular movement must be restricted to existing access routes to prevent crisscrossing of tracks through undisturbed areas.</p> <ul style="list-style-type: none"> • Rutting and erosion of the access road caused as a result 		
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of the mining activities should be repaired by the applicant.

Noise Handling:

- The applicant must ensure that employees and staff conduct themselves in an acceptable manner while on site, both during work hours and after hours.
- No loud music may be permitted at the mining area.
- All mining vehicles must be equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act.

Waste Management:

- No processing area or waste pile may be established within 100 m of the edge of any river channel or other water bodies.
- Regular vehicle maintenance may only take place within the service bay area of the off-site workshop. If emergency repairs are needed on equipment not able to move to the workshop, drip trays must be present. All waste

			<p>products must be disposed of in a 200 litre closed container/bin to be removed from the emergency service area to the workshop in order to ensure proper disposal.</p> <ul style="list-style-type: none"> • Any effluents containing oil, grease or other industrial substances must be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility. • Spills must be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing it at a recognised facility. Proof should be filed. • Suitable covered receptacles should be available at all times and conveniently placed for the disposal of waste. • Non-biodegradable refuse such as glass bottles, plastic 		
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			<p>bags, metal scrap, etc., should be stored in a container with a closable lid at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific precautions should be taken to prevent refuse from being dumped on or in the vicinity of the mine area.</p> <ul style="list-style-type: none"> • Biodegradable refuse generated should be handled as indicated above. 		
Quarry Area Rehabilitation	Decommissioning Phase	5 ha	<p>Storm water Handling:</p> <ul style="list-style-type: none"> □ Storm water must be diverted around the rehabilitated area to prevent erosion and loss of reinstated material. <p>Management of Health and Safety Risks:</p> <ul style="list-style-type: none"> • Excavations have to be rehabilitated as stipulated in the closure plan to ensure the site is safe upon closure. • Workers must have access to the correct personal protection 	<ul style="list-style-type: none"> • Storm Water: NWA, 1998 • Health and Safety: MHSA, 1996 OHSA, 1993 OHSAS 18001 • Dust and Noise: NEM:AQA, 2004 Regulation 6(1) • Waste: NEM:WA, 2008 	Upon cessation of mining.

			<p>equipment (PPE) as required by law.</p> <ul style="list-style-type: none"> • All operations must comply with the Occupational Health and Safety Act. <p>Dust Handling:</p> <ul style="list-style-type: none"> • The liberation of dust into the surrounding environment must be effectively controlled by the use of, inter alia, water spraying and/or other dust-allaying agents. • The site manager must ensure continuous assessment of all dust suppression equipment to confirm its effectiveness in addressing dust suppression. • Speed on the access roads must be limited to 40km/h to prevent the generation of excess dust. • Roads must be sprayed with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits. 		
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			<p>Noise Handling:</p> <p>The applicant must ensure that employees and staff conduct themselves in an acceptable manner while on site, both during work hours and after hours.</p> <ul style="list-style-type: none">• No loud music will be permitted at the mining area.• All mining vehicles must be armed with silencers and maintained in a road worthy condition in terms of the Road Transport Act. <p>Waste Management:</p> <ul style="list-style-type: none">• Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.• Any wastes containing oil, grease or other industrial substances must be collected		
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in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.

- Spills must be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing it at a recognised facility. Proof should be filed.
- Suitable covered receptacles should be available at all times and conveniently placed for the disposal of waste.

Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., should be stored in a container with a closable lid at a collecting point and collected on a regular basis and disposed of at a recognised landfill site. Specific precautions should be taken to prevent refuse

			<p>from being dumped on or in the vicinity of the mine area.</p> <ul style="list-style-type: none"> Biodegradable refuse generated should be handled as indicated above. 		
Cleaning and rehabilitation of disturbed area	Decommissioning Phase	5 ha	<p>Rehabilitation of the mined area:</p> <ul style="list-style-type: none"> Waste rocks and coarse material removed from the quarry must be dumped into the quarry. No waste will be permitted to be deposited in the excavations. The area shall be fertilized if necessary, to allow vegetation to establish rapidly. The site shall be seeded with a local or adapted indigenous seed mix in order to propagate the 	<p>Rehabilitation:</p> <p>MPRDA, 2008</p> <p>Health and Safety:</p> <p>MHSA, 1996</p> <p>OHSA, 1993</p> <p>OHSAS 18001</p> <p>Dust and Noise:</p> <p>NEM:AQA, 2004</p> <p>Regulation 6(1)</p> <p>Weeds:</p> <p>CARA, 1983</p> <p>Waste:</p> <p>NEM:WA, 2008</p>	Upon cessation of mining.

			<p>locally or regionally occurring flora, should natural vegetation not re-establish within 6 months from closure of the site.</p> <ul style="list-style-type: none"> • If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the mining operation be corrected and the area be seeded with a vegetation seed mix to his or her specification. <p>Rehabilitation of plant area:</p> <ul style="list-style-type: none"> • The compacted areas shall be ripped and the topsoil returned over the area. • Coarse natural material used for the construction of ramps shall be removed and dumped into the excavations. • Stockpiles shall be removed during the decommissioning phase, the area ripped and the 		
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			<p>topsoil returned to its original depth to provide a growth medium.</p> <ul style="list-style-type: none">• On completion of operations, all structures or objects shall be dealt with in accordance with Section 44 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002):• Where sites have been rendered devoid of vegetation/grass or where soils have been compacted owing to traffic, the surface shall be scarified or ripped.• Pictures of the mining area and office sites, before and during the mining operation and after rehabilitation, shall be taken at selected fixed points and kept on record for the information of the Regional Manager.		
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			<ul style="list-style-type: none"> • The area shall then be fertilized if necessary, to allow vegetation to establish rapidly. The site shall be seeded with a local, adapted indigenous seed mix if natural vegetation does not re-establish within 6 months after closure of the site. • If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the mining operation be corrected and the area be seeded with a seed mix to his or her specification. <p>Final rehabilitation:</p> <ul style="list-style-type: none"> • Rehabilitation of the surface area shall entail, levelling, land preparation, seeding (if required) and maintenance, and weed / alien clearing. 		
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			<ul style="list-style-type: none"> • All infrastructure, equipment, plant, temporary housing and other items used during the mining period will be removed from the site (section 44 of the MPRDA). • Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site. • Weed / Alien clearing will be done in a sporadic manner during the life of the mining activities. Species regarded as Category 1 weeds according to CARA (Conservation of Agricultural Recourses Act, 1983 – Act 43; Regulations 15 & 16 (as amended in March 2001) need to be eradicated from the site. • Final rehabilitation shall be completed within a period 		
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specified by the Regional Manager.

w) Impact Management Outcomes

(A description of impact management outcomes, identifying the standard of impact management required for the aspects contemplated in paragraph ());

ACTIVITY (whether listed or not listed) (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,	POTENTIAL IMPACT (e.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc...)	ASPECTS AFFECTED	PHASE In which impact is anticipated (e.g. Construction, commissioning, operational Decommissioning, closure, post closure)	MITIGATION TYPE (modify, remedy, control or stop) through (e.g. noise control measures, storm water control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc...)	STANDARD TO BE ACHIEVED (Impact avoided, noise levels, dust levels, rehabilitation standards, end use objectives etc.)
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berms, roads, pipelines, power line conveyors, etc...)					
STOCKPILING OF ROM	Dust nuisance caused by the stockpiling of ROM.	Dust will be contained within the property boundaries and will therefore affect only the applied area.		<u>Control:</u> Dust suppression	<ul style="list-style-type: none"> Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. <p>NEM:AQA, 2004 Regulation 6(1)</p>

	Noise nuisance caused by machinery stockpiling the ROM.	The noise impact should be contained within the boundaries of the property but might have a periodic impact on the closest residents of the Mbuzini community.		<u>Control:</u> Noise control measures	<ul style="list-style-type: none"> Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the noise standards of SANS 10103:2008. Employees working in areas with noise levels of more than 82dBA need to be issue with hearing protection.
	Infestation of the are by weeds and invader plants	Biodiversity		<u>Control & Remedy:</u> Implementation of weed control	<ul style="list-style-type: none"> The impact should be avoided through the eradication of Category 1 weeds/invader plants in terms of CARA, 1993 as well as the implementation of the mitigation measures in this document.
	Loss of plants due to incorrect storm water management.	Loss of plants will affect the rehabilitation of the mining area.		<u>Control:</u> Storm water management	<ul style="list-style-type: none"> The impact should be avoided through the implementation of storm water management.

	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed		<u>Control & Remedy:</u> Implementation of waste management	<ul style="list-style-type: none"> The impact should be avoided through the implementation of the mitigation measures stipulated in this document. Should spillage however occur the area needs to be cleaned in accordance with the standards of the NEM:WA, 2008.
BLASTING	Health and safety risk posed by blasting activities	Impact might affect the employees working on site.	Operational Phase	<u>Control:</u> Health and safety monitoring and management	<ul style="list-style-type: none"> The impact should be avoided through compliance with the standards of the MHS, 1996, OHS, 1993 and OHSAS 18001
	Dust nuisance caused by blasting activities	Dependent on the blast, the impact might affect the surrounding community. Blasting will only occur twice a year.			<ul style="list-style-type: none"> Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit.
				<u>Control:</u> Dust suppression	NEM:AQA, 2004 Regulation 6(1)

	Noise nuisance caused by blasting activities.	Dependent on the blast, the impact might affect the surrounding community. Blasting will only occur twice a year.		<u>Control:</u> Noise control measures	<ul style="list-style-type: none"> Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the <i>noise standards of SANS 10103:2008.</i> Employees working in areas with noise levels of more than 82dBA need to be issue with hearing protection.
	Weed and invader Plant infestation of the area.	Biodiversity		<u>Control:</u> Implementation of weed control	<ul style="list-style-type: none"> The impact should be avoided through the eradication of Category 1 weeds/invader plants in terms of CARA, 1993 as well as the implementation of the mitigation measures in this document.

CRUSHING	Dust nuisance due to the crushing activities	Dust will be contained within the property boundaries and will therefore affect only the landowner.	Operational Phase	<u>Control:</u> Dust suppression	<ul style="list-style-type: none"> Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. <p>NEM:AQA, 2004 Regulation 6(1).</p>
	Noise nuisance generated by the crushing activities.	The noise impact should be contained within the boundaries of the property but might have a periodic impact on the closest residents of the Mbuzini community.		<u>Control:</u> Noise control measures	<ul style="list-style-type: none"> Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the noise standards of SANS 10103:2008.

					<ul style="list-style-type: none"> Employees working in areas with noise levels of more than 82dBA need to be issued with hearing protection.
	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.		<p><u>Control:</u> Implementation of waste management</p>	<ul style="list-style-type: none"> The impact should be avoided through the implementation of the mitigation measures stipulated in this document. Should spillage however occur the area needs to be cleaned in accordance with the standards of the NEM:WA, 2008.
	Visual intrusion associated with the stockpiled material and vehicles transporting the material.	The visual impact may affect the residents of the immediate area.		<p><u>Control:</u> Implementation of proper housekeeping</p>	<ul style="list-style-type: none"> Impact on the surrounding environment mitigated until rehabilitation standards can be implemented.
	Loss of material due to ineffective storm water handling.	Impact will affect income of applicant.		<p><u>Control:</u> Storm water control measures</p>	<ul style="list-style-type: none"> The impact should be avoided through the implementation of storm water management.

STOCKPILING AND TRANSPORTING	Weed and invader plant infestation of the area due to the disturbance of the soil	Biodiversity	Operational Phase	<u>Control & Remedy:</u> Implementation of weed control	<ul style="list-style-type: none"> The impact should be avoided through the eradication of Category 1 weeds/invader plants in terms of CARA, 1993 as well as the implementation of the mitigation measures in this document.
	Dust nuisance from stockpiled material and vehicles transporting the material.	Dust will be contained within the property boundaries and will therefore affect only the landowner.		<u>Control:</u> Dust suppression	<ul style="list-style-type: none"> Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day.
					<ul style="list-style-type: none"> Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. NEM:AQA, 2004 Regulation 6(1).

STOCKPILING AND TRANSPORTING	Degradation of access roads.	All road users will be affected.	Operational Phase	<u>Control & Remedy:</u> Road management	<ul style="list-style-type: none"> The impact should be avoided through the implementation of the mitigation measures proposed in this document.
	Noise nuisance caused by vehicles.	The noise impact should be contained within the boundaries of the property but might have a periodic impact on the closest residents of the Mbuzini community.		<u>Control:</u> Noise management monitoring and management	<ul style="list-style-type: none"> Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the noise standards of SANS 10103:2008. Employees working in areas with high noise levels of more than 82dBA need to be issue with hearing protection.
	Contamination of area with hydrocarbons or hazardous waste materials.	Contamination may cause surface or ground water contamination if not addressed.		<u>Control:</u> Implementation of waste management	<ul style="list-style-type: none"> The impact should be avoided through the implementation the mitigation measures stipulated in this document. Should spillage however occur the area needs to be cleaned in accordance with the standards of the NEM:WA, 2008.

	Soil Erosion	Biodiversity		<u>Control:</u> Soil management	<ul style="list-style-type: none"> The impact should be avoided through the implementation the mitigation measures stipulated in this document. CARA, 1993
	Health and safety risk posed by un-sloped areas	Impact will affect the employees and residents of the property.	Decommissioning Phase	<u>Control:</u> Health and safety monitoring and management.	<ul style="list-style-type: none"> The impact should be avoided through compliance with the standards of the MSHA, 1996, OSHA, 1993 and OHSAS 18001
	Dust nuisance caused during sloping and landscaping activities.	Dust will be contained within the property boundaries and will therefore affect only the landowner.		<u>Control:</u> Dust suppression	<ul style="list-style-type: none"> Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – $600 < \text{Dust Fall} < 1\ 200 \text{ mg/m}^2/\text{day}$.
					<ul style="list-style-type: none"> Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates $>1/10$ of the occupational exposure limit.

x) Impact Management Actions

(Description of impact management actions, identifying the manner in which the impact management objectives and outcomes in paragraph (c) and (d) will be achieved)

<p>ACTIVITY (whether listed or not listed) (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...)</p>	<p>POTENTIAL IMPACT (E.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc...)</p>	<p>MITIGATION TYPE (modify, remedy, control or stop) through (E.g. noise control measures, storm water control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc...) E.g.</p> <ul style="list-style-type: none"> • Modify through alternative method • Control through noise control • Control through management and monitoring • Remedy through rehabilitation 	<p>TIME PERIOD FOR IMPLEMENTATION Describe the time period when the measures in the environmental management programme must be implemented. Measures must be implemented when required. With regard to Rehabilitation specifically this must take place at the earliest opportunity. With regard to Rehabilitation therefore state either – Upon cessation of the individual activity Or Upon the cessation of mining, bulk sampling or alluvial diamond prospecting as the case may be.</p>	<p>COMPLIANCE WITH STANDARDS (A description of how each of the recommendations in 2.11.6 read with 2.12 and 2.15.2 herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)</p>
<p>BLASTING</p>	<p>Health and safety risk posed by blasting activities</p>	<p><u>Control:</u> Health and safety monitoring and management</p>	<p>To be implemented when necessary throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • The impact should be avoided through compliance with the standards of the MHSA, 1996, OHSA, 1993 and OHSAS 18001

<p>Dust nuisance caused by blasting activities</p>	<p><u>Control:</u> Dust suppression</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. • Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. • NEM:AQA, 2004 Regulation 6(1)
<p>Noise nuisance caused by blasting activities</p>	<p><u>Control:</u> Noise control measures</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the noise standards of SANS 10103:2008. • Employees working areas with noise levels of more than 82dBA need to be issue with hearing protection.

<p style="text-align: center;">CRUSHING</p>	<p>Dust nuisance due to the crushing activities</p>	<p><u>Control:</u> Dust suppression</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. • Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. • NEM:AQA, 2004 Regulation 6(1).
	<p>Noise nuisance generated by the crushing activities.</p>	<p><u>Control:</u> Noise control measures</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the noise standards of SANS 10103:2008. • Employees working in areas with noise levels of more than 82dBA need to be issue with hearing protection.

<p>CRUSHING</p>	<p>Contamination of area with hydrocarbons or hazardous waste materials.</p>	<p><u>Control:</u> Implementation of waste management</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • The impact should be avoided through the implementation the mitigation measures stipulated in this document. • Should spillage however occur the area needs to be cleaned in accordance with the standards of the NEM:WA, 2008.
<p>STOCKPILING AND TRANSPORTING</p>	<p>Visual intrusion associated with the stockpiled material and vehicles transporting the material.</p>	<p><u>Control:</u> Implementation of proper housekeeping</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Impact on the surrounding environment mitigated until rehabilitation standards can be implemented.
	<p>Loss of material due to ineffective storm water handling.</p>	<p><u>Control:</u> Storm water control measures</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • The impact should be avoided through the implementation of storm water management.

	<p>Weed and invader plant infestation of the area due to the disturbance of the soil</p>	<p><u>Control & Remedy:</u> Implementation of weed control</p>	<p>To be implemented when necessary throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • The impact should be avoided through the eradication of Category 1 weeds/invader plants in terms of CARA, 1993 as well as the implementation of the mitigation measures in this document.
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STOCKPILING AND TRANSPORTING

<p>Dust nuisance from stockpiled material and vehicles transporting the material.</p>	<p><u>Control</u>: Dust suppression</p>	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • Fallout dust levels has to comply with the acceptable dust fall rate published for non-residential areas in the National Dust Control Regulations 2013 – 600 < Dust Fall < 1 200 mg/m²/day. • Gravimetric dust levels has to comply with the standard published in the NIOSH guidelines – Particulates >1/10th of the occupational exposure limit. • NEM:AQA, 2004 Regulation 6(1).
<p>Degradation of access roads.</p>	<p><u>Control & Remedy</u>: Road management</p>	<p>To be implemented when necessary throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> • The impact should be avoided through the implementation of the mitigation measures proposed in this document.

Noise nuisance caused by vehicles.	<u>Control:</u> Noise management monitoring and management	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> ▪ Noise levels on the site has to be managed and need to comply with the standards stipulated in NEM:AQA, 2004 Regulation 6(1) as well as the <i>noise standards of SANS 10103:2008.</i> ▪ Employees working in areas with noise levels of more than 82dBA need to be issue with hearing protection.
Contamination of area with hydrocarbons or hazardous waste materials.	<u>Control:</u> Implementation of waste management	<p>To be implemented daily throughout the operational phase:</p> <ul style="list-style-type: none"> • Daily compliance monitoring by site management. • Quarterly compliance monitoring of site by an Environmental Control Officer. 	<ul style="list-style-type: none"> ▪ The impact should be avoided through the implementation the mitigation measures stipulated in this document. ▪ Should spillage however occur the area needs to be cleaned in accordance with the standards of the NEM:WA, 2008.

y) Financial Provision

1) Determination of the amount of Financial Provision.

a) Describe the closure objectives and the extent to which they have been aligned to the baseline environment described under the Regulation.

The closure objectives and rehabilitation measures include the following:

- Facilities are either left for future users or sold for removal. Site are decontaminated, and therefore will be restored. This may be done on an individual basis in consultation with stakeholders. The site will be renovated to the maximum amount of the natural condition as it was before mine operation.
- Ensure that all areas are steady and there is no risk of erosion.
- Haul roads will be ripped and rehabilitated to required standard.
- Ensure that no soil compaction left on site.
- Prevent the alien plant invasion on site until the area is in a stable condition.
- Ensure that no contaminated material left on site.
- Ensure that the site is free draining and non-polluting.
- Ensure that no degradation in land capability remains.
- Ensure that vegetation re-establishment is successful.

b) Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties.

This report, the Draft Basic Assessment Report, includes all the environmental objectives in relation to closure and will be made available for perusal of I & AP's and stakeholders. Any other comments received during the commenting period will be added to the Final Basic Assessment Report to be submitted to DMR for approval.

c) Provide a rehabilitation plan that describes and shows the scale and aerial extent of the main mining activities, including the anticipated mining area at the time of closure.

The requested rehabilitation plan is attached as Appendix. Upon closure of the mine all infrastructure will be removed. The compacted areas will be ripped and levelled upon which the topsoil will be replaced. The sides of the quarry will be managed to ensure safety and prevent erosion. No temporary structures will remain upon closure of the site.

d) Explain why it can be confirmed that the rehabilitation plan is compatible with the closure objectives.

The decommissioning part can entail the rehabilitation of the mining site. Upon close of the mining activities, the area is going to be absolutely restored. The rehabilitation of the quarry as indicated on the rehabilitation set up connected as Appendix can adjust to the minimum closure objectives as prescribed by DMR and careful below, and thus is deemed to be compatible:

Rehabilitation of the quarry area:

- No waste will be permitted to be deposited in the excavations.
- The area shall be fertilized if necessary, to allow vegetation to establish quickly. The area shall be seeded with a local or adapted indigenous seed mix in order to propagate the locally or regionally occurring flora, should natural vegetation not re-establish within 6 months from closure of the site.
- If a reasonable assessment indicates that the restoration of vegetation is intolerably slow, the Regional Manager could need that the soil be analysed and any deleterious effects on the soil arising from the mining operation be corrected and also the area be seeded with a vegetation seed combine to his or her specification.

Rehabilitation of plant area:

- The compacted areas shall be ripped and the topsoil returned over the area.
- On completion of operations, all structures or objects shall be dealt with in accordance with Section 44 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002):
 - Where sites have been rendered devoid of vegetation/grass or where soils have been compacted owing to traffic, the surface shall be scarified or ripped.
- The site shall be seeded with a vegetation seed mix adapted to reflect the local indigenous flora if natural vegetation does not re-establish within 6 months of the closure of the site.
- Photographs of the mining area and office sites, before and during the mining operation and after rehabilitation, shall be taken at selected fixed points and kept on record for the information of the Regional Manager.
- On completion of mining operations, the surface of these areas, if compacted due to hauling and dumping operations, shall be scarified to a depth of at least 300 mm and graded to an even surface condition and will be returned to its original depth over the area.
- The area shall then be fertilized if necessary, to allow vegetation to establish rapidly. The site shall be seeded with a local, adapted indigenous seed mix if natural vegetation does not re-establish within 6 months after closure of the site.

- If a reasonable assessment indicates that the restoration of vegetation is intolerably slow, the Regional Manager could need that the soil be analysed and any deleterious effects on the soil arising from the mining operation be corrected and therefore the space be seeded with a seed combine to his or her specification.

Final rehabilitation:

- All infrastructure, equipment, plant, temporary housing and other items used during the mining period will be removed from the site (section 44 of the MPRDA).
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.
- Weed / Alien clearing will be done in a sporadic manner during the life of the mining activities.
- Species regarded as Category 1 weeds according to CARA (Conservation of Agricultural Recourses Act, 1983 – Act 43; Regulations 15 & 16 (as amended in March 2001) need to be eradicated from the site.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

e) Calculate and state the quantum of the financial provision required to manage and rehabilitate the environment in accordance with the applicable guideline.

The calculation of the quantum for financial provision was according to Section B of the working manual.

CALCULATION OF THE QUANTUM							
 Shando Ka Ndaba Business Enterprises		Portion of a Portion of Farm Matabula 701 JU					
		Date:	25-09-2018				
Risk Class							
Area Sensitivity							
No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master rate	Multiplication factor	Weighting factor 1	Amount (rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0,00	13,30	1,00	0,90	0
2(A)	Demolition of steel buildings and structures	m2	0,00	183,72	1,00	0,90	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0,00	270,77	1,00	0,90	0
3	Rehabilitation of access roads	m2	400,00	32,86	1,00	0,90	11 830
4(A)	Demolition and rehabilitation of electrified railway lines	m	0,00	319,11	0,00	0,90	0
4(B)	Demolition and rehabilitation of non-electrified railway lines	m	0,00	174,06	0,00	0,90	0
5	Demolition of housing and/or administration facilities	m2	0,00	368,61	1,00	0,90	0
6	Opencast rehabilitation including final voids and ramps	ha	4,47	192 629,82	1,00	0,90	774 950
7	Sealing of shafts, adits and inclines	m3	0,00	98,63	0,00	0,90	0
8(A)	Rehabilitation of overburden and spoils	ha	0,07	128 419,87	1,00	0,90	8 090
8(B)	Rehabilitation of processing waste deposits and evaporation ponds (basic salt-producing waste)	ha	0,05	159 944,63	1,00	0,90	7 198
8(C)	Rehabilitation of processing waste deposits and evaporation ponds (acidic, metal-rich waste)	ha	0,00	464 555,03	1,00	0,90	0
9	Rehabilitation of subsided areas	ha	0,00	107 532,30	0,00	0,90	0
10	General surface rehabilitation	ha	5,00	101 730,19	0,50	0,90	228 893
11	River diversions	ha	0,00	101 730,19	1,00	0,90	0
12	Fencing	m	0,00	116,03	1,00	0,90	0
13	Water management	ha	0,00	38 680,68	0,50	0,90	0
14	2 to 3 years of maintenance and aftercare	ha	0,00	13 538,24	1,00	0,90	0
15A	Specialist study	Sum	0,00	0,00	0,00	0,00	
15B	Specialist studies (soil remediation)	ha	0,00	0,00	0,00	0,00	0,00
SubTotal 1							1 030 960
(Sum of items 1 to 15 above)							
1	Preliminary and General	6,0% if Subtotal 1 > 100 000 000			Weighting factor 2		
		12,0% if Subtotal 1 < 100 000 000			0,00		0
7	Contingency	10,0% of Subtotal 1					103 096
SubTotal 2							1 134 056
(Subtotal 1 plus sum of management and contingency)							
Add Vat (15%)							158 768
GRAND TOTAL							1 292 824
(Subtotal 2 plus VAT)							

The amount that will be necessary for the rehabilitation of damages caused by the operation, both sudden closures during the normal operation of the project and at final, planned closure gives a sum total of **R 1 292 824.00**.

Environmental Awareness Plan

(1) Manner in which the applicant intends to inform his or her employees of any environmental risk which may result from their work.

Once mining of the proposed space starts a copy of the Environmental Management Programme report are going to be handed to the positioning manager throughout the site establishment meeting. problems like surface soil handling, site clearance, fireplace principals and hazardous waste handling are going to be mentioned. An induction meeting is going to be held with all the site workers to tell them of the essential Rules of Conduct with regard to the environment.

(2) Manner in which risk will be dealt with in order to avoid pollution or the degradation of the environment.

The operations manager should make sure that he/she understands the EMPr document and its requirement and commitments before any mining takes place. an Environmental management Officer has to check compliance of the mining activities to the management programmes described within the EMPr.

The following list represents the basic steps towards environmental awareness, which all participants in this project must consider whilst carrying out their tasks.

- **Site Management:**
 - Stay inside boundaries of site and do not enter adjacent properties
 - Keep tools and material correctly stored
 - Smoke only in designated site
 - Use toilets provided and report full or leaking toilets

- **Water Management and Erosion:**
 - Check that rainwater flows around work site and are not contaminated
 - Report any erosion
 - Check that dirty water is kept from clean water

- **Waste Management:**
 - Take care of your own waste
 - Keep waste separate into labelled containers – report full bins
 - Place waste in containers and always close lid
 - Don't burn waste
 - Pick-up every litter laying around

- **Hazardous Waste Management (Petrol, Oil, Diesel, Grease)**
 - Don't mix general waste with hazardous waste
 - Use only sealed and non-leaking containers
 - Keep all containers closed and store only in approved areas
 - Always put drip trays under vehicles and machinery
 - Empty drip trays after rainfall
 - Stop leaks and spills, if safe to do so
 - Immediately report the spill to the site manager/supervision of the site
 - Locate spill kit/supplies and use to clean-up, if safe
 - Place spill clean-up wastes in proper containers
 - Label containers and move to approved storage site

- **Discoveries:**
 - Stop work immediately
 - Notify site manager/supervisor
 - Includes – Archaeological finds, Cultural artefacts, Contaminated water, Pipes, Containers, Tanks and drums, Any buried structures

- **Air Quality:**
 - Wear protection when working in very dusty areas □ Implement dust control measures:
 - Sweep paved roads
 - Spraying all roads and work areas
 - Minimize handling of material
 - Obey speed limit and cover trucks

- **Driving and Noise:**
 - Use only approved access roads
 - Respect speed limits
 - Only use turn-around areas – no crisscrossing through undisturbed areas
 - Avoid unnecessary loud noises
 - Report or repair noisy vehicles

- **Vegetation and Animal life:**
 - Don't remove any plants or trees without approval of the site manager
 - Don't collect fire wood
 - Don't catch, kill, harm, sell or play with any animal, reptile, bird or amphibian on site
 - Report any animal trapped in the work area
 - Don't set snares or raid nests for eggs or young

- **Fire Management:**
 - Don't light any fires on site, unless contained in a drum at demarcated area
 - Put cigarette butts in a rubbish bin only
 - Don't smoke near gas, paints or petrol
 - Know the position of firefighting equipment
 - Report all fires to the supervisors
 - Don't burn waste or vegetation on site

Specific information required by the Competent Authority

(Among others, confirm that the financial provision will be reviewed annually)

The applicant undertakes to annually review and update the financial provision calculation, upon which it will be submitted to DMR for review and approved as being sufficient to cover the environmental liability at the time and for closure of the mine at that time.

UNDERTAKING

The EAP herewith confirms

- a) the correctness of the information provided in the reports
- b) the inclusion of comments and inputs from stakeholders and I&AP's
- c) the inclusion of inputs and recommendations from the specialist reports where relevant, and
- d) that the information provided by the EAP to interested and affected parties and any response by the EAP to comments or inputs made by interested and affected parties are correctly reflected herein

Signature of the Environmental Assessment Practitioner:

Ndinannyi Kenneth Singo

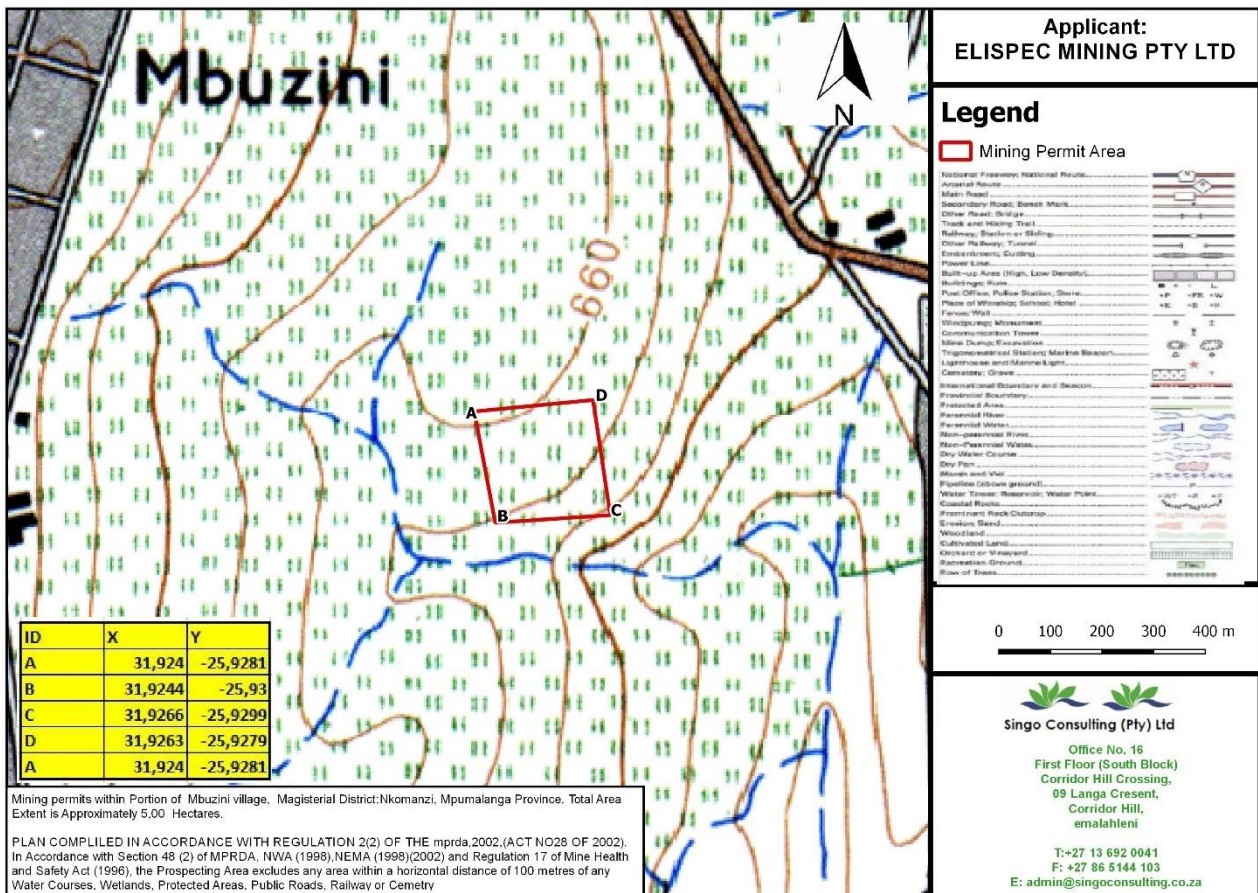
Name of the Company:

Singo Consulting (Pty) Limited

Date:

-END-

Appendix A: Locality map, Regulation plan and Infrastructure map (Layout)



ELISPEC MINING (PTY) LTD MINUTES

Date: 02nd September 2019

Time: 10:00am

Location: Inkosi Mlambo Royal House, Mpumalanga province.

Attendees:

Inkosi Mlambo II

Elispec Representatives: | Elias | Special | Zakhele | Elmon Mahlalela

Singo Consulting (Pty) Ltd: | Singo Kenneth | Singo Anthony | Munyai Mutshidzi | Singo Tendani | Sigwadi Livhuwani |

Project description: Landowner notification meeting about the project of granite quarrying on remaining extent of portion 20 of the farm Matabula 701 JU, Mpumalanga.

Attendance register was allowed to circulate but taking of pictures were not allowed.

Chair of the meeting: Mr Elmon

Welcoming remarks: Inkosi Mlambo II

Applicant introduction: Elispec mining mission is to mine and crush granite on a portion of the Mbuzini village.

Presentation of the project and purpose of the meeting: Dr Singo Kenneth

- Elispec is applying a mining permit to quarry granite. The department requires a 90 days consultation process to inform the affected stakeholders by means of newspapers, site notices, taking pictures to prove that meetings and site visits were conducted.
- Singo Consulting (Pty) Ltd is an independent consulting company that will be doing all the consultation process.

Inkosi Mlambo response to the presentation:

- The chief pointed out that this is about development and, development is what they need in their community.
- The chief requested a written report of how the community of Mbuzini is going to benefit out of the proposed mining project.
- He stated the issue of people who try avoiding the communal system. His concern is more on that, even though all the minerals are now a state property, there still must be sharing with the community.
- The procedure for consultation according to the chief, must go through the council first and the community meeting afterwards.
- Elispec mining (Pty) Ltd is requested to outline what they will offer to the community during the operation of the mine.
- Give a proposal and also listen to what the community wants.

Questions and answers

- **What does the department say must be the benefits to the community for a mining permit?**

26% must go to the community for a mining permit.

- **A difference between a mining right and a mining permit**

A mining permit is a small operation that can potentially employ 15 or less people. It can be operational for 5 years, and the profit can be <12 million per year but the project can be expanded to be a mining right, which is a big operation, and the operation of a mining right can go up to 30 years and more.

Remarks:

- The chief must fill the notification letter and address what he wants for his community.
- There must be a detailed geological report
- The proposed council meeting to be held on 18th September 2019
- All reports including the requested geological report will be brought to the community before being submitted to the department of mineral resource.
- Singo Consulting (Pty) Ltd team is permitted to go and do site assessment at the remaining extent of portion 20 of the farm Matabula 701 JU, Mbuzini in Mpumalanga where the project area is.

Minutes prepared by:



Singo Consulting (Pty) Ltd

SINGO CONSULTING (Pty) Ltd

Meeting venue: Inkosi Mlambo Traditional House

Date: 02-09-2019

Time: 10am



Singo Consulting (Pty) Ltd

ATTENDANCE REGISTER

No.	Name & Surname	Designation	Company/LandOwner/ Other(Specify)	Contact Details	Email Address	Signature
1	ELMOM DIAKALALA			0799986817		
2	INKOSI Mlambo II			0721117551		
3	Mutshidzi Mungu	Hydrogeologist	Singo Consulting	0769246382	mutshidzi@singoconsulting.co.za	
4	SINGO Tembani	Safety officer	Singo Consulting	065 903 907	tembani@singoconsulting.co.za	
5	Sigwasi Nxumani	Enviro. Officer	Singo Consulting	0766529061	nxumani@singoconsulting.co.za	
6	SINGO ANTHONY	HYDROLOGIST	Singo Consulting	0766764948	antonys@singoconsulting.co.za	
7	Zakhele Mthembu	Director	Tembani	0823798517	hamiltonz@tombani.co.za	
8	Kenneth Singo	DIRECTOR	Singo Consulting	0782707829	kenneth@singoconsulting.co.za	
9	Gias Mibula	DIRECTOR	ELESPEC	0820507221	giasmibula@gmail.com	
10	Special Maniqela	Director	Elespec II	0845281440	special@tondizitrading.co.za	
11						
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25						

Appendix C: Stakeholders and other interested and affected parties consultation

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 11:05

To: 'mhlongos@lucm.co.za' <mhlongos@lucm.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za'

<boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>;

'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za'

<mutshidzi@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>;

'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good Morning,

I hope this email finds you well.

Singo Consulting on behalf of Elispec Mining (Pty) Ltd, hereby wish to inform you that Elispec Mining (Pty) Ltd has submitted an application for a Mining Permit together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources (DMR) for the proposed project of mining for Granite, on the Farm Mbusini Village, situated in the Magisterial District of Nkomazi, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of Elispec Mining (Pty) Ltd's intention to obtain Mining Permit for the above mentioned mineral.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program (EMP)

Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public

Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form in the last page of attached BID and register your comments, issues, questions that you have about the proposed project. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project and timelines.

If you know anyone who might be interested in this project, kindly forward this email to that person.

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

+27 13 692 0041
+27 76 652 9062
+27 86 514 4103

www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalahleni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 11:04

To: 'mervyn@intekom.co.za' <mervyn@intekom.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

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<mutshidzi@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>;

'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za'

<siyabonga@singoconsulting.co.za>; 'tendani@singoconsulting.co.za' <tendani@singoconsulting.co.za>

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Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalahleni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:23

To: 'council@ehlanzeni.gov.za' <council@ehlanzeni.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

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<mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>;

'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za'

<siyabonga@singoconsulting.co.za>

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Regards,

Livhuwani Sigwadi
Junior Consultant

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Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:23

To: 'weekend.nhlambo@nkomazi.gov.za' <weekend.nhlambo@nkomazi.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za'

<boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>;

'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za'

<mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>;

'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za'

<siyabonga@singoconsulting.co.za>

Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

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From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:23

To: 'jmdluli@mpg.gov.za' <jmdluli@mpg.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za'

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'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za'

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From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:22

To: 'MulaudziM@dws.gov.za' <MulaudziM@dws.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

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From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:22

To: 'thanduxolo.lunanga@mtpa.co.za' <thanduxolo.lunanga@mtpa.co.za>; 'phuma.nkosi@mtpa.co.za' <phuma.nkosi@mtpa.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

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Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:22

To: 'Frans.Krige@mtpa.co.za' <Frans.Krige@mtpa.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

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From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:22

To: 'Trudy.kaseke@nkomazi.gov.za' <Trudy.kaseke@nkomazi.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

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From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:22

To: 'OliverJ@nra.co.za' <OliverJ@nra.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>;

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Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

+27 13 692 0041
+27 76 652 9062
+27 86 514 4103

www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:21

To: 'wayleavesmou@eskom.co.za' <wayleavesmou@eskom.co.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good Morning,

I hope this email finds you well.

Singo Consulting on behalf of Elispec Mining (Pty) Ltd, hereby wish to inform you that Elispec Mining (Pty) Ltd has submitted an application for a Mining Permit together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources (DMR) for the proposed project of mining for Granite, on the Farm Mbusini Village, situated in the Magisterial District of Nkomazi, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of Elispec Mining (Pty) Ltd's intention to obtain Mining Permit for the above mentioned mineral.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program (EMP)

Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form in the last page of attached BID and register your comments, issues, questions that you have about the proposed project. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project and timelines.

If you know anyone who might be interested in this project, kindly forward this email to that person.

Regards,



Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:21

To: 'gpreston@environment.gov.za' <gpreston@environment.gov.za>; 'TRamavhona@environment.gov.za' <TRamavhona@environment.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>

Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

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This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

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Please find the attached Background Information Document (BID) for detailed description of the proposed project and timelines.

If you know anyone who might be interested in this project, kindly forward this email to that person.

Regards,

Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 15 August 2019 10:21

To: 'kennethmav@daff.gov.za' <kennethmav@daff.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za'

<rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>;

'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za'

<boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>;

'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za'

<mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>;

'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za'

<siyabonga@singoconsulting.co.za>

Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good Morning,

I hope this email finds you well.

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Please find the attached Background Information Document (BID) for detailed description of the proposed project and timelines.

If you know anyone who might be interested in this project, kindly forward this email to that person.

Regards,

Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Wednesday, 14 August 2019 14:32

To: 'Vusi.Khoza@drdlr.gov.za' <Vusi.Khoza@drdlr.gov.za>

Cc: 'Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'tendani@singoconsulting.co.za' <tendani@singoconsulting.co.za>

Subject: LAND RESTITUTION

Good day,

I hope this email finds you well.

kindly receive this email as an enquiry for any possible land claim the Farm Mbuzini Village, situated in the Magisterial District of Nkomazi, Mpumalanga Province. DMR Ref: MP 30/5/1/3/2/12096MP.

Kindly review attached BID for detailed description of proposed project. This is to ensure that all claimants are properly consulted and are given opportunity to:

- ❖ Register as an I&AP and to respond to the environmental compliance process;
- ❖ Raise issues of concern and provide suggestions for enhanced benefits;
- ❖ Contribute to local knowledge;
- ❖ Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program (EMP); and
- ❖ Inform any other person / organization that may feel should be informed about the project.

Your comments will be highly appreciated as they will assist us to develop a well-informed BAR and EMP.

Regards,

Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Tuesday, 27 August 2019 08:34

To: 'Mavulule.sons@gmail.com' <Mavulule.sons@gmail.com>

Cc: 'Kenneth, Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>; 'tendani@singoconsulting.co.za' <tendani@singoconsulting.co.za>; 'sithabile@singoconsulting.co.za' <sithabile@singoconsulting.co.za>; 'kefilwe@singoconsulting.co.za' <kefilwe@singoconsulting.co.za>; 'abel@singoconsulting.co.za' <abel@singoconsulting.co.za>; 'deshney@singoconsulting.co.za' <deshney@singoconsulting.co.za>; 'aluwani@singoconsulting.c.za' <aluwani@singoconsulting.c.za>; 'betty@singoconsulting.co.za' <betty@singoconsulting.co.za>

Subject: Stakeholder invitation to comment on the proposed project of Mbuzini village

Good day,

I hope this email finds you well

As per our telephone conversation on the 26th of August 2019 regarding the Granite mining permit application, kindly note that you are registered as interested and affected party of the project.

Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form in the last page of attached BID and register your comments, issues, questions that you have about the proposed project. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find attached the Background Information Document (BID) for a brief and timelines of the proposed project.

Regards,



Livhuwani Sigwadi
Junior Consultant

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09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalahleni


Singo Consulting (Pty) Ltd

Appendix D: Comments and response report (email, fax and other means of communication)

From: Jan Oliver (NR) <OliverJ@nra.co.za>
Sent: Thursday, 15 August 2019 11:05
To: NR Statutory Control <nrrstatutory@nra.co.za>
Cc: livhuwani@singoconsulting.co.za
Subject: FW: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Dear Livhuwani Sigwadi

In order to improve workflow, please note that applications and request for comments must be emailed to nrstat@nra.co.za (for attention Ria Barkhuizen) and not to oliverj@nra.co.za. Mrs. Ria Barkhuizen will be delegating the requests.

Your application was forwarded to nrstat@nra.co.za.

Dear Ria Barkhuizen

No national roads will be affected. Please stamp accordingly.

Yours sincerely,

Jan Oliver (BSc Hons Applied Science Transportation Eng, Bsc Computing Unisa)
Statutory Controller
Northern Region
38 Ida Street, Menlo Park, Pretoria, Gauteng, 0081,
T: 012 426 6242 | M: 083 283 6083
OliverJ@nra.co.za | www.sanral.co.za
Fraud Hotline Number - 0800 204 558



From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>
Sent: Monday, 19 August 2019 08:49
To: 'Jan Oliver (NR)' <OliverJ@nra.co.za>
Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good morning Jan Olive,

Kindly note that your information or advice will be considered, the right person will be consulted in future.
Thank you very much.

Regards,

Livhuwani Sigwadi
Junior Consultant



Singo Consulting (Pty) Ltd



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- livhuwani@singoconsulting.co.za
- 09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalahleni

From: Ria Barkhuizen (NR) <Barkhuizenr@nra.co.za>

Sent: Tuesday, 20 August 2019 11:55

To: livhuwani@singoconsulting.co.za

Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good day

This email is an acknowledgement of receipt for your enquiry.

Please note that your enquiry will be evaluated, and a response provided within 30 days, in line with requirements of Section 29 of the Spatial Planning and Land Use management Act (Act No.16 of 2013) read with Section 3 of the Promotion of Administrative Justice Act (Act No.3 of 2000).

Should you not receive any response within 30 days, kindly follow up on the enquiry by responding to Jan Oliver who will be dealing with it and will convert back to you. He can be contacted on (012) 426-6200 / 6242.

Tx and Regards

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Tuesday, 20 August 2019 15:34

To: 'Ria Barkhuizen (NR)' <Barkhuizenr@nra.co.za>

Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good day,

Thanks for responding and acknowledging our enquiry regarding the proposed mining permit project.

Regards,

Livhuwani Sigwadi
Junior Consultant



Singo Consulting (Pty) Ltd



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- +27 76 652 9062
- +27 86 514 4103

- www.singoconsulting.co.za
- livhuwani@singoconsulting.co.za
- 09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalahleni

From: Jan Oliver (NR) <OliverJ@nra.co.za>

Sent: Tuesday, 20 August 2019 16:33

To: livhuwani@singoconsulting.co.za

Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Dear Livhuwani Sigwadi

Kindly note that no national roads will be affected by the proposed mining of granite on farm at Mbuzini Village. Therefore SANRAL has no objection to the issuing of a mining permit.

Yours sincerely,

Jan Oliver (BSc Hons Applied Science Transportation Eng, Bsc Computing Unisa)

Statutory Controller

Northern Region

38 Ida Street, Menlo Park, Pretoria, Gauteng, 0081,

T: 012 426 6242 | M: 083 283 6083

OliverJ@nra.co.za | www.sanral.co.za

Fraud Hotline Number - 0800 204 558



From: Ria Barkhuizen (NR) <Barkhuizenr@nra.co.za>

Sent: Thursday, 22 August 2019 07:31

To: livhuwani@singoconsulting.co.za

Subject: Mbuzinin village

Good day

Please find attached SANRAL's comments.

Please note for any new applications and request for comments, use NRStat@nra.co.za email address.

Regards

Ria

Ria Barkhuizen (NR)

N/A
21/8/2019

From: Jan Oliver (NR)
Sent: Thursday, 15 August 2019 11:05 AM
To: NR Statutory Control
Cc: livhuwani@singoconsulting.co.za
Subject: FW: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE
Attachments: Background Information Document.pdf

1957
Aug

Dear Livhuwani Sigwadi

In order to improve workflow, please note that applications and request for comments must be emailed to nrstat@nra.co.za (for attention Ria Barkhuizen) and not to oliverj@nra.co.za. Mrs. Ria Barkhuizen will be delegating the requests.

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Dear Ria Barkhuizen

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Yours sincerely,
Jan Oliver (BSc Hons Applied Science Transportation Eng, Bsc Computing Unisa)
Statutory Controller
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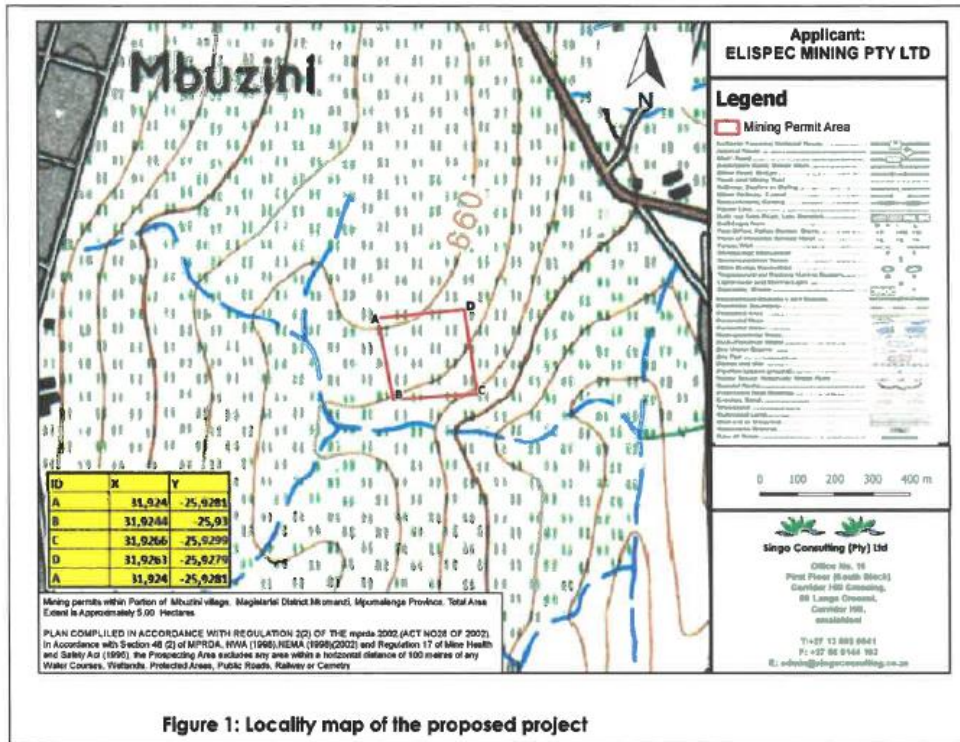


From: livhuwani@singoconsulting.co.za [mailto:livhuwani@singoconsulting.co.za]
Sent: Thursday, 15 August 2019 10:22 AM
To: Jan Oliver (NR) <OliverJ@nra.co.za>
Cc: 'Singo' <kenneth@singoconsulting.co.za>; rudzani@singoconsulting.co.za; anthony@singoconsulting.co.za; masindi@singoconsulting.co.za; boipelo@singoconsulting.co.za; owen@singoconsulting.co.za; mimi@singoconsulting.co.za; mutshidzi@singoconsulting.co.za; elsina@singoconsulting.co.za; nokuthula@singoconsulting.co.za; siyabonga@singoconsulting.co.za
Subject: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good Morning,

I hope this email finds you well.

Singo Consulting on behalf of Elispec Mining (Pty) Ltd, hereby wish to inform you that Elispec Mining (Pty) Ltd has submitted an application for a Mining Permit together with an Environmental Authorization to the Mpumalanga



**THE SOUTH AFRICAN NATIONAL
 ROADS AGENCY LIMITED
 NORTHERN REGION**

THE NRA HAS NO COMMENT/OBJECTION
 TO THIS APPLICATION AS IT DOES NOT
 AFFECT A NATIONAL ROUTE/INTER-
 CHANGE.

R. Baekhuysen
 p.p REGIONAL MANAGER
 22/8/19
 DATE

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>
Sent: Wednesday, 21 August 2019 08:31
To: 'Jan Oliver (NR)' <OliverJ@nra.co.za>
Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good day,

Kindly note that your respond is much appreciated and will be considered during compiling EMPr.

Regards,



Livhuwani Sigwadi
Junior Consultant

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First Floor (South Block), Office No. 16, eMalahleni

Singo Consulting (Pty) Ltd

From: Phumla Nkosi <Phumla.Nkosi@mtpa.co.za>
Sent: Thursday, 15 August 2019 11:32
To: livhuwani@singoconsulting.co.za
Cc: Frans Krige <Frans.Krige@mtpa.co.za>
Subject: Re: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE



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FEEL THE WARMTH OF HER PEOPLE**

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Mpumalanga
TOURISM AND PARKS AGENCY

f t i y

Good Day Livhuwani

I hope this email finds you well.

Could we be registered as an Interested and Affected Party for and could you please send the hardcopies to

MTPA
N4 Halls Gateway

Mataffin
Nelspruit 1200
Attention: Phumla Nkosi
Block G; Room 3D

Kind Regards
Phumla Nkosi

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>
Sent: Monday, 19 August 2019 09:03
To: 'Phumla Nkosi' <Phumla.Nkosi@mtpa.co.za>
Subject: RE: STAKEHOLDER INVITATION TO COMMENT ON THE PROPOSED MINING PERMIT FOR GRANITE ON FARM MBUZINI VILLAGE

Good morning Phumla Nkosi,

Kindly note that you are registered as an Interested and Affected Party for the proposed project and you will be updated in all phases of this proposed project. The hard copies will be delivered to the address mentioned above as per requested.

Regards,



Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

+27 13 692 0041
+27 76 652 9062
+27 86 514 4103

www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: Umbali <info@umbali.co.za>
Sent: Sunday, 18 August 2019 15:35
To: info@tondzitrading.co.za; livhuwani@singoconsulting.co.za
Cc: eliasmqulu@gmail.com; cmk@live.co.za
Subject: Elspec Mining (Pty)ltd - granite permit

Good day,

With this mail we would appreciate it to add us as in interested party.

Please mail all relevant information.

Kind regards,

Adriaan Schoeman

Office cell: 071 675 9045
www.umbali.co.za



From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>
Sent: Monday, 19 August 2019 09:09
To: 'Umbali' <info@umbali.co.za>
Subject: RE: Elspec Mining (Pty)ltd - granite permit

Good day,

Kindly note that you are registered as an Interested and Affected Party for the proposed project and you will be updated in all phases of this proposed project.

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

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09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: Info <info@nlto.co.za>
Sent: Monday, 19 August 2019 08:13
To: livhuwani@singoconsulting.co.za
Cc: Nomuntu Ndhlovu <ndhlovu.nomuntu@gmail.com>; valencialkhl@gmail.com; Dave Hackney <dave.hackney@pestana.com>; 'Christine McGladdery' <christinemcg01@gmail.com>; 'Kenneth, Singo' <kenneth@singoconsulting.co.za>; Carol Nake <caroline.nake@gmail.com>
Subject: Application for mining permit ELISPEC MINING (PTY) LTD - Portion of Mbuzini village

Dear Mr Sigwadi,

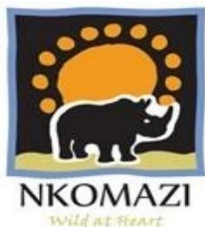
We, the Nkomazi Local Tourism Organisation, would like to register as an Interested & Affected Party for the above mentioned mining application as advertised in the Lowvelder Newspaper 16 August 2019. We note that the application does not have a DMR application number? We need an official IAP form for this application please.

In addition as advertised please ensure that you send us an electronic version of the EMPr reports as soon as possible.

Please confirm receipt of the above.

Kind regards,

Denis Goffinet
Vice Chairman
Nkomazi Local Tourism Organisation
Cell: 079 190 9805
www.nlto.co.za



From: Mthobisi Ngcane <mngcane@gmail.com>

Sent: Tuesday, 20 August 2019 18:18

To: livhuwani@singoconsulting.co.za

Subject: Mining permit information

Afternoon its mthobisi, we spoke earlier on, this is my email address.

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Wednesday, 21 August 2019 09:19

To: 'Mthobisi Ngcane' <mngcane@gmail.com>

Cc: 'Kenneth, Singo' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>; 'boipelo@singoconsulting.co.za' <boipelo@singoconsulting.co.za>; 'masindi@singoconsulting.co.za' <masindi@singoconsulting.co.za>; 'owen@singoconsulting.co.za' <owen@singoconsulting.co.za>; 'anthony@singoconsulting.co.za' <anthony@singoconsulting.co.za>; 'mimi@singoconsulting.co.za' <mimi@singoconsulting.co.za>; 'mutshidzi@singoconsulting.co.za' <mutshidzi@singoconsulting.co.za>; 'nokuthula@singoconsulting.co.za' <nokuthula@singoconsulting.co.za>; 'siyabonga@singoconsulting.co.za' <siyabonga@singoconsulting.co.za>; 'elsina@singoconsulting.co.za' <elsina@singoconsulting.co.za>

Subject: RE: Mining permit information

Good day,

I hope this email finds you well

As per our telephone conversation on the 20th of August 2019 regarding the Granite mining permit application, kindly note that you are registered as interested and affected party of the project. Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form in the last page of attached BID and register your comments, issues, questions that you have about the proposed project. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find attached the Background Information Document (BID) for a brief and timelines of the proposed project.

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

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+27 86 514 4103

www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalahleni

Singo Consulting (Pty) Ltd

From: Hennie Bekker <hennie.bekker@afriforum.co.za>

Sent: Wednesday, 21 August 2019 16:34

To: livhuwani@singoconsulting.co.za; eliasmqulu@gmail.com; info@tondzitrading.co.za

Subject: Registration as interested and affected party for the mining permit by Elispec mining (PTY) Ltd in the Mbuzini village

To whom it may concern,

AfriForum is a civil rights organisation who protects the rights of their member.

We hereby respond to an advertisement that was published in the Lowvelder for an invitation to register as an interested and affected party. AfriForum hereby gives notice with regard to the said advertisement.

As I am now the contact person. Kindly forward all assessment report and/or information and/or invitation to public meetings to myself.

Kindly acknowledge receipt hereof.

Regards,

Hennie Bekker

DISTRIKSKOÖRDINEERDER: LAEVELD



E-POS

SEL.

hennie.bekker@afriforum.co.za 081 217 6091

Posadres: Posbus 17216, Lyttelton, 0140

Hoofkantoor: H.v. D.F. Malanrylaan en Unionweg, Kloofsig, Centurion



PROJEKTE

From: Andiswa Matikinca <andimatikinca@gmail.com>

Sent: Tuesday, 27 August 2019 07:55

To: Livhuwani@singoconsulting.co.za

Subject: Request to be added as I&AP

Good morning,

My name is Andiswa Matikinca from Oxpeckers Centre for Investigative Environmental Journalism & I manage the centre's digital tool called #MineAlert.

I would like to be added as I&AP for the Elispec Mining (Pty) Ltd mining application in Mbuzini Village. I would also like to have the EMP report sent to me via email.

Regards

Andiswa Matikinca

Andiswa Matikinca| Journalist| Oxpeckers Associate

Cell phone: (+27) 65 907 6819

LinkedIn: Andiswa Matikinca

Twitter: @Andee_mat

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Tuesday, 27 August 2019 14:23

To: 'Andiswa Matikinca' <andimatikinca@gmail.com>

Subject: RE: Request to be added as I&AP

I hope this email finds you well.

Singo Consulting on behalf of Elispec Mining (Pty) Ltd, hereby wish to inform you that Elispec Mining (Pty) Ltd has submitted an application for a Mining Permit together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources (DMR) for the proposed project of mining for Granite, on the Farm Mbuzini Village, situated in the Magisterial District of Nkomazi, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of Elispec Mining (Pty) Ltd's intention to obtain Mining Permit for the above mentioned mineral.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program (EMP)

Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment,

Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form in the last page of attached BID and register your comments, issues, questions that you have about the proposed project. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project and timelines.

If you know anyone who might be interested in this project, kindly forward this email to that person.

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

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+27 76 652 9062
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livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: Zinzile Mtotywa <ZinzileM@daff.gov.za>

Sent: Tuesday, 27 August 2019 10:17

To: livhuwani@singoconsulting.co.za

Cc: eliasmqulu@gmail.com

Subject: NOTICE OF PUBLIC PARTICIPATION FOR MINING PERMIT AND ENVIRONMENTAL AUTHORIZATION APPLICATION - DMR Ref MP 30/5/1/3/2/12096MP

Good morning all,

The DAFF has a regional mandate in terms of the National Forests Act 84 of 1998 and Conservation of Agricultural Resources Act 43 of 1983, particularly with regard to the veld in question or the reference area of operations indicated on your notice. I would therefore would like to request that you furnish us with forms to register as I & Aps for the development being proposed. We would welcome invitation for site viewing where possible, before the allocated commenting period expires.

NOTICE PUBLISHED ON: Lowvelder , 23 August 2019

Regards 

Zinzile Mtotywa

Directorate: Forestry Management Limpopo/Mpumalanga
Department of Agriculture, Forestry and Fisheries

Tel: (013) 754 0761

Cell: 082 3177 581

Fax: (086) 628 7139

Web: www.daff.gov.za

E-mail: ZinzileM@daff.gov.za / ZinzileM@nda.agric.za



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>
Sent: Tuesday, 27 August 2019 14:21
To: 'Zinzile Mtotywa' <ZinzileM@daff.gov.za>
Subject: RE: NOTICE OF PUBLIC PARTICIPATION FOR MINING PERMIT AND ENVIRONMENTAL AUTHORIZATION APPLICATION - DMR Ref MP 30/5/1/3/2/12096MP

Good day,

Kindly receive the attached comment form where you can register as I&AP of the proposed mining permit at Mbuzini village and I will let you know about the date for site visit in time

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

+27 13 692 0041
+27 76 652 9062
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www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

From: Sizwe J Nkalanga <mavulule.sons@gmail.com>
Sent: Wednesday, 28 August 2019 23:08
To: livhuwani@singoconsulting.co.za
Subject: Background Information Document.pdf

Please find attached document

Attention: Livhuwani Sigwadi

Email: livhuwani@singoconsulting.co.za

Title	Name	Sizwe Joseph	Surname	Nkalanga
Company	MLAMBO ROYAL MILITARY POLICE (NPC)			
Designation	Community Social Welfare			
Address	Mbuzini Tribal Office			
Tel No.			Fax No.	
E-mail	mavulule.Sons@Gmail.com		Cell No.	072 020 5453
I would like to receive my notifications be (mark with "X"):	Post	<input type="checkbox"/>	E-mail:	<input checked="" type="checkbox"/>
			Fax:	<input type="checkbox"/>
Please indicate why you would have an interest in the above-mentioned project.				
As we are the registered Social welfare none profit Company we will on behalf of the Mine create programs uplifting the Community. This will make it easy for us to represent the above proposed project, We believe our way of doing wont hard for us to Convince the Community of Mbuzini during public participation practice (PPP). We will create a relation between the Mine and the Community.				
Please provide your comments and questions here:				
-The proposed project is exactly the kind of opportunity the Community needed where by the rate of youth unemployment have been increasing every year because of the lack of opportunities. This project better chances of new development and the oppening of a border gate to Mozambique. More jobs will be Created not only from it, Political parties should not be involved more than the Community and the royal house as they are remoted to benefit individuals.				
-for how long will the mine operate.				
Please feel free to attach a separate document				
Please add any person you think may be interested and affected parties:				
Full name	Lerato Langa		Company	Timpumelelo (PTY) LTD
Address	Sidlamafa			
E-mail	N/A		Contact No.	079 4461 311

From: livhuwani@singoconsulting.co.za <livhuwani@singoconsulting.co.za>

Sent: Thursday, 29 August 2019 14:06

To: 'Sizwe J Nkalanga' <mavulule.sons@gmail.com>

Subject: RE: Background Information Document.pdf

Good day,

Thank you very much for your comments as an independent organisation representing the community. Your comment will be attached on the EMPr to assist DMR when taking decision on the proposed project. The life span of the mining permit depends on the availability of the mineral, mining permit granted for two years with maximum renewal period of five years.

Regards,

Livhuwani Sigwadi
Junior Consultant

B.Sc. (Hons)
Environmental Management

+27 13 692 0041
+27 76 652 9062
+27 86 514 4103

www.singoconsulting.co.za
livhuwani@singoconsulting.co.za
09 Langa Crescent, Corridor Hill Crossing
First Floor (South Block), Office No. 16, eMalaheni

Singo Consulting (Pty) Ltd

-----Original Message-----

From: Siebert Labuschagne <LabuscSJ@eskom.co.za>

Sent: Wednesday, 28 August 2019 14:52

To: livhuwani@singoconsulting.co.za

Subject: LD_INV_M_SL_353_2019

Afternoon

Feedback from Eskom

Regards

Siebert Labuschagne

NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx

Me. Livhuwani Sigwadi
Singo consulting (pty) ltd
16, First Floor (South Block)
Corridor Hill Crossing,
09 LANGA CRESCENT,
Emalahleni

Date:
23 August 2015

Enquiries:
Siebert Labuschagne
Tel: 013 755 9614
Fax: 086 666 82852
Email: labuscsc@eskom.co.za

Dear Me. Sigwadi

Proposed Mining Permit Application within Portion of Mbuzini Village

Our Ref: LD_INV_M_SL_353_2019

Your Ref:

Permission is hereby granted to ELISPEC MINING (PTY) LTD for blasting not closer than a distance of 500 meters of the Eskom Distribution at Mbuzini village, near Eskom Figtree-Thambokhulu 22 kV power line. Eskom reserves the right to withdraw its consent if any blasting process becomes hazardous and likely to result in power interruptions.

A.1 Access and egress

Eskom shall at all times retain unobstructed access to and egress from its servitudes and services. Thus no "islands" will be allowed around the pole structures and servitude areas.

A.2 Approvals

A.2.1 Eskom's consent does not relieve the applicant from obtaining the necessary statutory, land owner or municipal approvals.

A.2.2 The applicant will adhere to all relevant environmental legislation. Any cost incurred by Eskom as a result of non-compliance will be charged to the applicant.

A.3 Eskom Cables

Eskom's underground cables affected must be placed in sleeves encased in concrete across the width of the servitude, at the applicant's expense. Materials to be used and relevant dimensions shall be determined as required.

A.4 Dimensions

No construction or excavation work shall be executed within 11 metres from any Eskom power line structure, and/or within 11 metres from any stay wire.

A.5 Earthing

All work within Eskom's servitude areas shall comply with the relevant Eskom standards in force at the time.

A.6 Expenditure

If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the applicant's activities or because of the presence of his equipment or installation within the servitude or wayleave area, the applicant shall pay such costs to Eskom on demand.

A.7 Ground level variations

Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's requirements.

A.8 Indemnity

Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the applicant, his/her agent, contractors, employees, successors in title, and assigns. The applicant indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the applicant's equipment. The applicant's attention is drawn to the *Electricity Act, 1987, (Act 41 of 1987, as amended in 1994)*, Section 27(3), which stipulates that the applicant can be fined and/or imprisoned as a result of damage to Eskom's apparatus.

A.9 Machinery

No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the applicant must give at least seven working days prior notice of the commencement of work to Mr Lwazi Mabunda (Tel. +27 13 693 6137 Cell +27 78 402 7559) at Figtree Technical Service Centre, Eskom Distribution. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued.

A.10 Permission to do work

A.10.1 No work shall commence unless Eskom has received the applicant's written acceptance of the conditions specified in the letter of consent and/or permit.

A.10.2 Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.

Note: Where and electrical outage is required, at least fourteen work days is required to arrange same.

A.11 Remedial action

Under no circumstances shall rubble, earth or other material be dumped within the servitude or Way Leave restriction area. The applicant shall maintain the area concerned to Eskom's satisfaction. The applicant shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.

A.12 Safety

A.12.1 The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.

A.12.2 Equipment shall be regarded electrically live and therefore dangerous at all times.

A. 12.3 In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as additional safety precaution, Eskom will not approve the erection of Houses, or structures occupied or frequented by human beings under the power lines and only after consideration of all alternatives, within the servitude area.

A. 12.4 Eskom may stipulate any additional requirements to illuminate any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.

A. 12.5 It is required of the applicant to familiarize him/her self with all safety hazards related to Electrical plant.

TTN

B.1 Blasting

B.1.1 Blasting in close proximity to Eskom's overhead power lines or substations is prohibited unless the following precautions are met [refer to the Mine Health and Safety Act, 1996 (Act 29 of 1996) Regulation 17.6(a) – permission to blast within 100m from surface structures]:

- a Peak Particle Velocity (PPV) to be kept below 75 mm/s, for lines and 50 mm/s for buildings,
- a seismic control device is set up to record the readings, ensure fly rock and air blast control by means of adequate matting, in the interest of air blast control, only single shot blasting shall be allowed.
- Permission for blasting will be strictly as stipulated in the Blasting Design by the Blasting Consultants and blasting should be done away from the power lines.

B.1.2 The applicant will be held liable for damage to Eskom's towers or substation equipment, as a result of blasting activities.

B.1.3 Costs incurred by Eskom to comply with statutory requirements in terms of an applicant's (or his contractors) works, equipment or plant in the servitude area, shall be paid to Eskom on demand.

B.1.4 Eskom may charge the applicant appropriately for time on site during blasting operations.

B.1.5 Eskom reserves the right to withdraw its consent if the blasting process becomes hazardous and likely to result in power interruptions.

B.1.6 The applicant must give prior notice of the commencement of blasting to Mr Mr Lwazi Mabunda (Tel. +27 13 693 6137 Cell +27 78 402 7559) at Figtree Technical Service Centre, Eskom Distribution. This allows time for arrangements to be made for supervision of and/or precautionary instructions to be issued in terms of the blasting operation.

B.1.8 General Conditions

B.1.8.1 Firing near the power lines should be along a free face, facing away from the power lines.

B.1.8.2 The "safe distance of 500m" from Eskom pylons should be indicated on the blasting plan. Existing geological faults, decomposed zones and fractured rock structures could have destabilising effects on founding material as a result of the firing, especially when developing an open face next foundations and below founding level. These conditions should be taken into account when deciding on the method and plan of blasting near the Eskom power line pylons.

B.1.8.3 Eskom retains the right to appoint any specialist at any time on behalf of ELISPEC MINING (PTY) LTD , to inspect Eskom structures for deformation.

B.1.8.4 The depth near Eskom pylons should carefully be controlled for stability and adjustments being made when so instructed by Eskom.

Should the applicant or his contractor damage any of Eskom services during commencement of any work whatsoever, then Eskom's 24 hour Contact Centre Tel: 086 000 1414 must be dialled immediately to report the incident.

Any relocation of Eskom's services, due to this application, will be for the account of the Applicant. The Applicant will also be responsible for granting Eskom an alternative route for the power line. The Eskom Customer Contact Centre at **08600 37566** must be contacted in connection with any line deviation and costs.

We thank you and hope you will find the above in order. Should you have technical queries on the Eskom standards and specifications please feel free to phone our Technology and Quality Department, Tel: 012-421 3367.

Attached Annexes A (Letter of consent) and B (Indemnity Form) must be completed and returned to this office before commencement of any operations.

TTN

Yours faithfully



for
Livhuwani Mashamba
LAND DEVELOPMENT AND ENVIROMENTAL MANAGER

Cc Mr Lwazi Mabunda



TIN

Annex A
Letter of consent

PERMISSION FOR BLASTING OPERATIONS WITHIN 500m FROM ANY Eskom INFRASTRUCTURE

PROPERTY: Portion of Mbuzini village

Our Ref: LD_INV_M_SL_353_2019

Application to encroaches on Eskom's rights.

With reference to your application this office received to perform blasting, permission is hereby granted under the conditions listed on the attached document. Kindly indicate your acceptance of these conditions by initialling each page and signing in the appropriate area on this page and returning this copy to Eskom at the following address:

Eskom Holdings Limited, Asset Creation, PO Box 1567, Nelspruit 1200

Should you have any questions, please do not hesitate to contact myself at either of the following:

TELEPHONE NUMBER: 013 755 9614

FAX NUMBER: 086 668 2852

Yours sincerely

Livhuwani Mashamba

LAND DEVELOPMENT AND ENVIROMENTAL MANAGER

I,.....(FULL NAMES AND SURNAME)

herewith unconditionally accept the stipulations in the Letter of Consent pertaining to my co-use of an Eskom servitude.

SIGNED AT THIS DAY OF (MONTH) (YEAR)

.....
APPLICANT

WITNESS..... WITNESS

Annex B
INDEMNITY

ELISPEC MINING (PTY) LTD has been granted permission in terms of Reg 17.6A of Mine Health and Safety Act 29 of 1996 to carry out blasting operations at close vicinity of **Eskom Holdings Limited** Reg No 2002/015527/30 ("Eskom").

Eskom has existing power lines near Portion of Mbuzini village where ELISPEC MINING (PTY) LTD is to carry out the said blasting activities, and in terms of which servitude among others no blasting operations shall be carried out within 500 metres of the boundary line of the power line servitude area without the prior written consent of Eskom.

ELISPEC MINING (PTY) LTD has requested Eskom's permission to carry out the said blasting activities.

AND WHEREAS: Eskom has granted ELISPEC MINING (PTY) LTD permission to undertake the said blasting activities in the vicinity of Eskom servitude area subject to any further conditions that Eskom may from time to time impose.

THEREFORE: ELISPEC MINING (PTY) LTD SHALL:

During the period when the said blasting activities are being carried out and in the period immediately thereafter, keep Eskom fully and effectively indemnified against all losses, injuries or deaths, damage, expenses, actions, proceedings, demands, costs and claims, including but not limited to legal fees and expenses suffered both by Eskom and third parties including Eskom's customers out of or related to the said mining activities.

The signatory hereto hereby declare that he has authority to sign this indemnity and to bind ELISPEC MINING (PTY) LTD

Signed at..... on the..... day of 2011

Witnesses 1.
.....
Signature

From: Arthur Sippel <arthur.sippel@gmail.com>
Sent: Thursday, 29 August 2019 21:49
To: Livhuwani@singoconsulting.co.za
Subject: Registration - EIA - ELISPEC MINING

Dear Livhuwani,

Please find attached letter for your consideration.

Kind regards

Arthur Sippel

ARTHUR D. SIPPEL

FARM ALKMAAR 101
SCHAGEN
Cell: 083 357 0644

PO BOX 133
1207

29 August 2019

Singo Consulting (Pty) Ltd
Office No 16
Corridor Hill Crossing
09 Langa Crescent
Corridor Hill
eMalahleni
1035

Dear Livhuwani Sigwadi,

Re: Application for Mining Permit: ELISPEC MINING (PTY) LTD

Herewith my request to be registered as an interested and affected party in terms of Regulations 42 & 43 of the EIA Regulations as published in the Government Notice No 326 of 07 April 2017.

It will be appreciated if you can make the draft EMP reports available for comment via my e-mail address, that being Arthur.sippel@gmail.com

Kind regards



Digitally signed

ARTHUR SIPPEL
ID No.: 571113 5099 080

From: admin@singoconsulting.co.za <admin@singoconsulting.co.za>
Sent: Sunday, 08 September 2019 09:15
To: livhuwani@singoconsulting.co.za
Cc: mutshidzi@singoconsulting.co.za
Subject: Fwd: Registration Form

Sent from [Tohsoft.Mail](#) for mobile

----Forwarded Message---- From: RhulaniC@daff.gov.za To: admin@singoconsulting.co.za Date: 06 Sep Subject:
Registration Form
Good morning

Kindly receive the attached registration form

Kind regards

From: Minolta01@daff.gov.za [<mailto:Minolta01@daff.gov.za>]
Sent: Friday, 06 September 2019 10:28 AM
To: Rhulani Chavalala
Subject: Message from KM_C364e

I&AP'S DATA SHEET

PUBLIC PARTICIPATION PROCESS FOR THE PROPOSED MINING PERMIT APPLICATION ON PORTION OF MBUZINI VILLAGE, MPUMALANGA PROVINCE.

REGISTRATION AND COMMENT FORM FOR CONSULTATION AND PUBLIC PARTICIPATION PROCESS:

Please comment and return to:



Singo Consulting (Pty) Ltd

Physical address:	Office No. 16, First Floor (South Block), Corridor Hill Crossing, 09 Langa Crescent Corridor Hill, Emalahleni, 1035.
Postal address:	P/Bag X7297 Postnet Suite 87 Highveld Mall Witbank 1035
Tell No:	+27 13 6920 041
Fax No:	+27 86 5144 103
Email:	admin@singoconsulting.co.za

Personal Details:

Full Names and Surname:	Rhulani Chabalala				
Contact Details:					
Tel(w):	013 754 0729	Tel(h):		Fax No:	013 754 0735
				Cell No:	018 6083 909
Email:	Rhulani.C@daff.gov.za				
Physical Address:	27 Brown Street 2nd Floor. Melspruit				
Postal Address:	P.O. Box 8806, Melspruit, 1200				

Preferred method of communication: fax <input type="checkbox"/> e-mail <input checked="" type="checkbox"/> post <input type="checkbox"/>	
Preferred telephonic communication: cell <input type="checkbox"/> home <input type="checkbox"/> work <input checked="" type="checkbox"/>	
Organisation/Representative:	Department of Agriculture, Forestry and Fisheries
Farm name, number and subdivision or Street Address (if applicable):	

1. What is your interest in the proposed project? E.g. Property Owner/ Lessee/ Tenant?
Please provide details of the property.

DAFF interest in the proposed project is compliance with Conservation of Agricultural Resources Act, Act 43 of 1983.

2. Do you have grounds for concerns in respect to this application? **Please tick the appropriate box and substantiate.**

YES

NO

3. Categorized issues of concerns: **Please "X" the appropriate box**

<input type="checkbox"/>	Air quality	<input type="checkbox"/>	Noise
<input type="checkbox"/>	Archeology	<input checked="" type="checkbox"/>	Soil
<input checked="" type="checkbox"/>	Surface water	<input type="checkbox"/>	Employment
<input type="checkbox"/>	Groundwater	<input type="checkbox"/>	Security

	Ecology		Visual
✓	Land use and Planning Waste management		Quality of life Property value
	Economy		Nuisance

4. If yes, please list elaborate further.

1 Detailed soil study of the farm must be included in the EMP

2 Provide details of the land capability, grazing capacity and current land use of the farm.

5. Are there, in your opinion, any other interested/ or affected parties that should be contacted in relation to this application? Please "X" appropriate box.

YES

NO

6. If yes, please provide their contact details:

Name:		Organization:	
Contact details			
Address:			
Tel No:	Fax No:	Cell No:	
Email address:			

D. Malala

06-09-2019

Signed

Date

Appendix E: Rehabilitation Plan

Appendix F: Proof of site notices

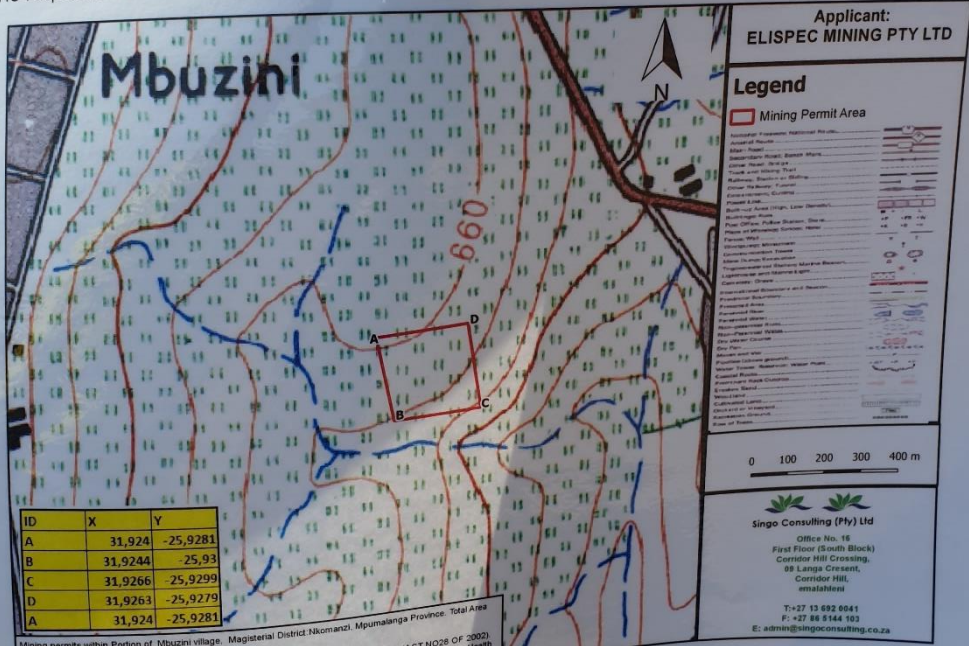
NOTICE OF PUBLIC PARTICIPATION FOR MINING PERMIT AND ENVIRONMENTAL AUTHORIZATION APPLICATION

Notice of the Mining Permit Application Process as per the Minerals and Petroleum Resources Development Act (Act 28 of 2002): **DMR Ref MP 30/5/1/3/2/12096MP**

Application for Mining Permit: ELISPEC MINING (PTY) LTD has applied for a Mining Permit together with Environmental Authorization for Granite Resources, on Portion of Mbuzini village.

Registration as Interested & Affected Party: In terms of Regulations 42 & 43 of the EIA Regulations published in Government Notice No. 326 of 07 April 2017, the public is invited to register as interested and affected parties (I&APs); express interest, comment and participate in the Public Participation Process (PPP) respectively within 30-calendar days of publishing of this notice, until the **16th of September 2019**.

DBAR & EMPr Review: The draft EMPr reports will be available for review for a 30 days calendar period from Thursday, the **16th of September 2019** to Thursday the **17th of October 2019**. The report will be available on request, via Email from the respective EAP.



ENVIRONMENTAL ASSESSMENT PRACTITIONER

Singo Consulting (Pty) Ltd
Office No. 16, First Floor, Corridor Hill Crossing, 09 Langa Crescent, Corridor Hill, eMalaheni, 1035.
Tell No.: +27 13 6920 041 Fax No.: +27 86 5144 103

CONTACT PERSON

EAP
Livhuwani Sigwadi
013 692 0041 / 076 6529 062
livhuwani@singoconsulting.co.za

Applicant
Elias Moses Mqulu
082 0505 226/084 528 1447
info@tondzitrading.co.za
eliasmqulu@gmail.com





Appendix G: Proof of Site Assessment



Livestock found within the property



Grave found within the property



Bird nest found within the property



Trail crossing the property



Fire wood within the property



Cultivated area within the property



Trench on the entrance of the farm



The exact area of the permit



Nearest community from the permit



Aloe plants found within and out side the proposed permit

Appendix H: Emergency response

Appendix I: ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, herewith please receive an environmental impact statement that summarises the impact that the proposed activity may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

<u>TYPE OF IMPACT</u>	<u>DURATION</u>	<u>LIKELIHOOD</u>	<u>SIGNIFICANCE</u>
<p><u>Site Establishment / Construction Phase:</u></p> <p><u>Stripping and Stockpiling of Topsoil:</u></p> <ul style="list-style-type: none"> ■ Visual intrusion associated with the establishment of the mining area. ■ Dust nuisance caused by the disturbance of soil. ■ Noise nuisance caused by machinery stripping and stockpiling the topsoil. ■ Infestation of the topsoil heaps by weeds and invader plants. ■ Loss of topsoil due to incorrect storm water management. ■ Contamination of area with hydrocarbons or hazardous waste materials. 	<p>Planning Phase</p>	<p>Possible</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p> <p>Low Possibility</p>	<p>Medium Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p> <p>Low Concern</p>
<p><u>Operational Phase:</u></p> <p><u>Blasting:</u></p> <ul style="list-style-type: none"> ■ Health and safety risk posed by blasting activities. ■ Dust nuisance caused by blasting activities. ■ Noise nuisance caused by blasting activities. 	<p>Duration of operational phase minimum of 3 years</p>	<p>Low Possibility</p> <p>Definite</p> <p>Definite</p>	<p>Low Concern</p> <p>Low – Medium Concern</p> <p>Low – Medium</p>

<p><u>Excavation:</u></p> <ul style="list-style-type: none"> ■ Visual intrusion associated with the excavation activities. ■ Dust nuisance due to excavation activities. ■ Noise nuisance generated by excavation equipment. ■ Unsafe working conditions for employees. ■ Negative impact on the fauna and flora of the area. ■ Contamination of area with hydrocarbons or hazardous waste materials. ■ Weed and invader plant infestation of the area. <p><u>Crushing:</u></p> <ul style="list-style-type: none"> ■ Dust nuisance due to the crushing activities. ■ Noise nuisance generated by the crushing activities. ■ Contamination of area with hydrocarbons or hazardous waste materials. <p><u>Stockpiling and transporting:</u></p> <ul style="list-style-type: none"> ■ Visual intrusion associated with the stockpiled material and vehicles transporting the material. ■ Loss of material due to ineffective storm water handling. ■ Weed and invader plant infestation of the area due to the disturbance of the soil. ■ Dust nuisance from stockpiled material and vehicles transporting the material. 		<p style="text-align: center;">Definite</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Possible</p> <p style="text-align: center;">Possible</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p> <p style="text-align: center;">Low Possibility</p>	<p style="text-align: center;">Concern</p> <p style="text-align: center;">Medium Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low – Medium Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low – Medium Concern</p> <p style="text-align: center;">Low – Medium Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low – Medium Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low Concern</p> <p style="text-align: center;">Low Concern</p>
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Appendix J: CV of the EAP