

EXECUTIVE SUMMARY

1. Introduction

1.1 Overview

The proponent, Josia Shilunga, has applied for mining claims namely MC 71896, 71897, 71898, 71899 and 71900, with the Ministry of Mines and Energy. The proponent intends to mine (quarry) dimension stone (dolerite) in the area. The area of interest sits predominantly on dolerite rock units of the Arandis Formation, within the Damara Orogen.

Impala Consulting was appointed by the proponent to undertake an Environmental Assessment (EA) and Environmental Management Plan (EMP) for the quarrying project.

1.2 Location

The mining claims are located 35 km northeast of Arandis, on farm Hakskeen within the Erongo Region. The coordinates for the centre of one of the mining claims are 22°9'48"S and 15°8'07" E.

1.3 Environmental Assessment Requirements

The Environmental Regulations procedure (GN 30 of 2012) stipulates that no mining and quarrying activities may be undertaken without an environmental clearance certificate. As such, an environmental clearance certificate must be applied for in accordance with regulation 6 of the 2012 environmental regulations. It is imperative that the environmental proponent must conduct a public consultation process in accordance with regulation 21 of the 2012 environmental procedure, produce an environmental scoping report and submit an Environmental Management Plan for the proposed quarrying activities.



FINAL SCOPING REPORT

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1. Project Background

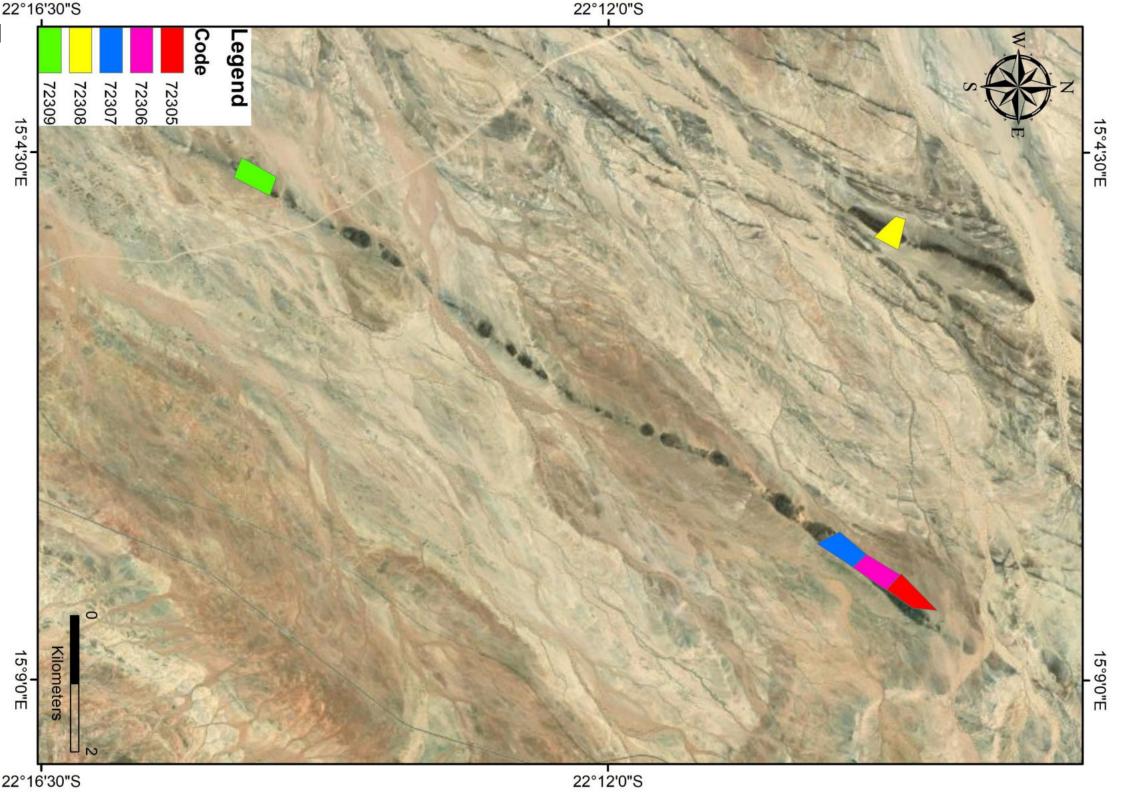
1.1 Introduction

The proponent, Josia Shilunga, applied for mining claims, namely MC 72100, 72101, 72102, 72103, 72104, 72105 and 72106, with the Ministry of Mines and Energy. The proponent intends to mine (quarry) dimension stone (dolerite) in the area. The area of interest sits predominantly on dolerite rock units of the Arandis Formation, within the Damara Orogen. An outline of the area is shown in the image below.

Although quarrying is costly, environmentally friendly quarrying is possible, yet the mineral quarrying process must never be at the expense of people or the environment. The proponent believes that social and environmental responsibility is a prerequisite for providing a conducive environment for mineral quarrying and future mining activities.

Impala Environmental Consulting was appointed by the proponent to undertake an Environmental Assessment (EA) and Environmental Management Plan (EMP) for the quarrying project. Figure 3 below shows the surrounding farms of the project area.





1.2 Project Location

The mining claims are located 35 km northeast of Arandis, on farm Hakskeen within the Erongo Region. A map showing the surrounding farms is shown in figure 4.

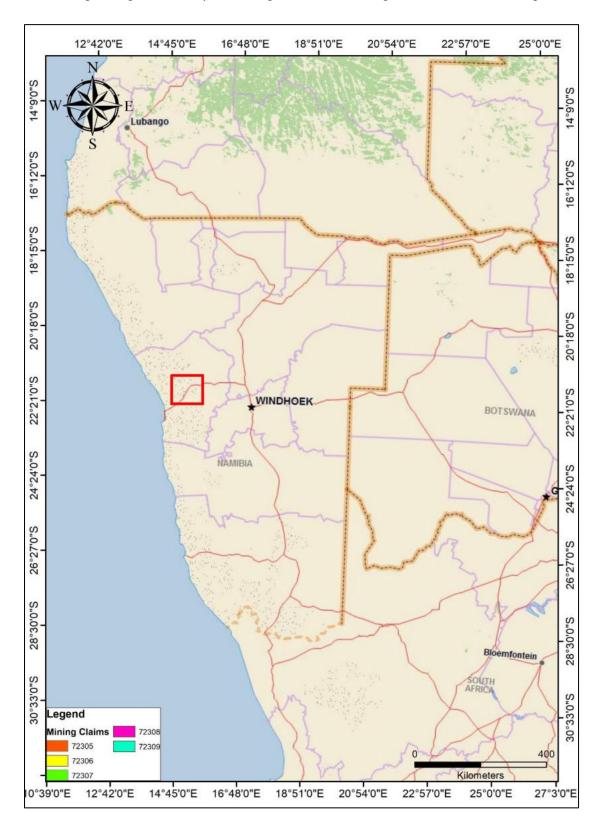
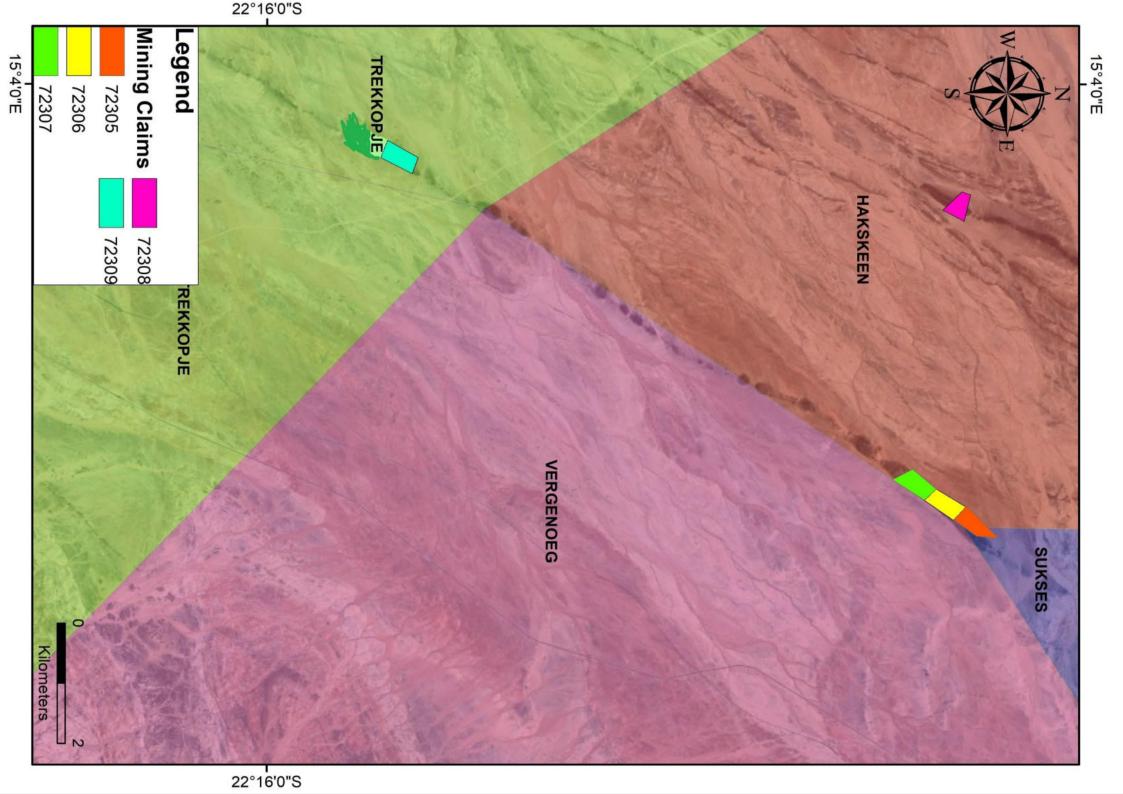


Figure 2 Locality map of the mining claim licence area





The coordinates for the corners of each mining claim are indicated below:

Mining Claim 72308		
Longitude	Latitude	
15.084574	-22.160655	
15.088886	-22.161571	
15.086917	-22.164842	
15.083959	-22.161918	

Mining Claim 72305		
Latitude	Longitude	
-22.156458	15.139999	
-22.159728	15.139633	
-22.163058	15.137111	
-22.161281	15.134954	

Mining Claim 72306		
Latitude	Longitude	
-22.161338	15.134954	
-22.163287	15.137112	
-22.167535	15.133913	
-22.165815	15.132187	

Mining Claim 72307		
Latitude	Longitude	
-22.165815	15.132187	
-22.167707	15.133913	
-22.172414	15.130591	
-22.169432	15.128864	

Mining Claim 72309		
Latitude	Longitude	
-22.243896	15.078495	
-22.244761	15.081127	
-22.249573	15.078594	
-22.248469	15.075769	



1.3 Environmental Impact Assessment Requirements

The Environmental Regulations procedure (GN 30 of 2012) stipulates that no mining and quarrying activities may be undertaken without an environmental clearance certificate. As such, an environmental clearance certificate must be applied for in accordance with regulation 6 of the 2012 environmental regulations. It is imperative that the environmental proponent must conduct a public consultation process in accordance with regulation 21 of the 2012 environmental procedure, produce an environmental scoping report and submit an Environmental Management Plan for the proposed mineral quarrying activities.

1.4 Purpose of the Scoping Report

The scoping report is prepared for the Environmental Impact Assessment for dolerite quarrying on mining claims which are located 35 km northeast of Arandis, on farm Hakskeen within the Erongo Region. Environmental scoping is a critical step in the preparation of an EIA for the proposed quarrying activities. The scoping process identifies the issues that are likely to be most important during the EIA and eliminates those that are of little concern. The scoping process shall be concluded with the establishment of terms of reference for the preparation of an EIA, as set out by the Ministry of Environment and tourism. The purpose of this scoping report is to:

- Identify any important environmental issues to be considered before commencing with mineral quarrying activities on the proposed mining sites.
- To identify appropriate time and space boundaries of the EIA study.
- To identify information required for decision-making.

As such, the key objectives of this scoping study are to:

- Inform the public about the proposed mineral quarrying activities.
- Identify the main stakeholders, their comments and concerns.
- Define reasonable and practical alternatives to the proposal.
- To establish the terms of reference for an EIA study.



1.5 Project Alternatives

An alternative to the proposed quarrying activities would be to allocate the land-usage to other income generating activities such as farming and tourism activities.

2. Summary of applicable legislation

All mineral rights, related to quarrying activities in Namibia, are regulated by the Ministry of Mines and Energy whereas the environmental regulations are regulated by the Ministry of Environment and Tourism. The acts that affect the implementation, operation and management of mining and quarrying activities in Namibia are shown below.

2.1 Environmental Management Act of 2007

Line Ministry: Ministry of Environment and Tourism

The regulations that accompany this act lists several activities that may not be undertaken without an environmental clearance certificate issued in terms of the Act. The act further states that any clearance certificate issued before the commencement of the act (6 February 2012) remains in force for one year. If a person wishes to continue with activities covered by the act, he or she must apply for a new certificate in terms of the Environmental Management Act.

2.2 The Minerals Prospecting and Mining Act of 1992

Line Ministry: Ministry of Mines and Energy

The Minerals Prospecting and Mining Act No.33 of 1992 approves and regulates mineral rights in relation to exploration, quarrying, prospecting, small scale mining, quarrying, large-scale mining and transfers of mineral licences.

2.3 Water Resources Management Act of 2004

Line Ministry: Ministry of Agriculture, Water and Forestry

The act provides for the management, protection, development, usage and conservation of water resources; to provide for the regulation and monitoring of water resources and to provide for incidental matters.



2.4 Nature conservation ordinance, ordinance No. 4 of 1975

Line Ministry: Ministry of Environment and Tourism

The Nature Ordinance 4 of 1975 covers game parks and nature reserves, the hunting and protection of wild animals (including reptiles and wild birds), problem animals, fish, and the protection of indigenous plants. It also establishes a nature conservation board. The basic set of regulations under the ordinance is contained in GN 240/1976 (OG 3556). The topics covered in the regulations include tariffs (game parks), regulations relating to game parks, swimming baths, use of boats in game parks, inland fisheries, keeping game and other wild animals in capturing. In addition, the ordinance also regulates game dealers, game skins, protected plants, birds kept in cages, trophy hunting of hunt-able game, hunting at night, export of game and game meat, sea birds, private game parks, nature reserves, regulations of wildlife associations and registers for coyote getters.

2.5 National Heritage Act, 2004 (Act No. 27 of 2004)

Line Ministry/Body: National Heritage Council

The National Heritage Act provides for the protection and conservation of places and objects of heritage significance and the registration of such places and objects; to establish a National Heritage Council; to establish a National Heritage Register; and to provide for incidental matters.

2.6 Petroleum Products and Energy Act No. 13 of 1990

Line Ministry/Body: Ministry of Mines and Energy

The act regulates the importation and usage of petroleum products. The act reads as "To provide measures for the saving of petroleum products and an economy in the cost of the distribution thereof, and for the maintenance of a price thereof; for control of the furnishing of certain information regarding petroleum products; and for the rendering of services of a particular kind, or services of a particular standard; in connection with motor vehicles; for the establishment of the National Energy Fund and for the utilization thereof; for the establishment of the National Energy Council and the functions thereof; for the imposition of levies on fuel; and to provide for matters incidental thereof".



2.7 Forest Act, No. 12 of 2001

Line Ministry/Body: Ministry of Agriculture, Water and Forestry

The act regulates the cutting down of trees and reads as follows "To provide for the establishment of a Forestry Council and the appointment of certain officials; to consolidate the laws relating to the management and use of forests and forest produce; to provide for the protection of the environment and control and management of forest trees; to repeal the preservation of Bees and Honey proclamation 1923, preservation of Trees and Forests Ordinance, 1952 and the Forest Act, 1968; and to deal with incidental matters".

The constitution defines the function of the Ombudsman and commits the government to sustainable utilization of Namibia's natural resources for the benefit of all Namibians and describes the duty to investigate complaints concerning the over-utilization of living natural resources for the benefit of all Namibians and describes the duties to investigate complaints concerning the over-utilization of living natural resources, the irrational exploitation of non-renewable resources, the degradation and the destruction of ecosystem and failure to protect the beauty and character of Namibia. Article 95 states that "the state shall actively promote and maintain the welfare of the people by adopting; inter-alia policies aimed at maintenance of ecosystems, essential ecological processes and biological diversity of Namibia and utilization of natural resources on a sustainable basis for the benefit of all Namibians both present and future".

2.8 Atmospheric Pollution Prevention Ordinance (1976)

Line Ministry/Body: Ministry of Health and Social Services

This ordinance provides for the prevention of air pollution and is affected by the Health Act 21 of 1988. Under this ordinance, the entire area of Namibia, with the exception of East Caprivi, is proclaimed as a controlled area for the purposes of section 4(1) (a) of the ordinance.

2.9 Hazardous Substance Ordinance, No. 14 of 1974

Line Ministry/Body: Ministry of Safety and Security



The ordinance provides for the control of toxic substances. It covers manufacture, sale, use, disposal and dumping as well as import and export. Although the environmental aspects are not explicitly stated, the ordinance provides for the importing, storage and handling.

2.10 Namibian Water Corporation (Act 12 of 1997)

Line Ministry/Body: Namibian Water Corporation

The act caters for water rehabilitation of prospecting and quarrying areas, environmental impact assessments and for minimising or preventing pollution.



3. Description of Proposed Quarrying Project

3.1 Introduction

The Erongo region is known for vast occurrences of dolerite units of the Arandis formation and Swakop group (Miller, 1992). The first attempts to quarry dolerite in Namibia date back to the early years of the century when the Koloniale Marmorsyndikatwas founded.

3.2 Dolerite Quarrying Method

There are various options for mining out a dolerite deposit. In choosing a method, important considerations are the kind of material, the shape and size of the geologic formation, the thickness of the overburden, the topography, the production level, the locality of the quarry and imposed restrictions by the government. If the calcitic dolerite proves to be homogeneous, the quarrying method will be by a regular bench design with the aid of diamond-based cutting technologies. Diamond-based cutting technologies are the best methods to use these days. The following operations will be carried out:

- · Undercutting by using a diamond-wire saw.
- Vertical cuts with diamond wire
- Block shaping cuts with diamond wire or drill and shear techniques.

Basically, dolerite quarrying involves cutting channels on all sides of large, rectangular sections of dolerite called quarry blocks. These blocks usually have an open face, and once the ends and backs of the doorstep-like ledges are channelled loose, horizontal lift holes are drilled along the bottom of the open face. These long quarry blocks are being freed from the surrounding mass, with diamond wire sawing. The diamond saw which basically consists of an engine pulling wire cable through a system of pulleys and return wheels. The wire is a steel cable on which diamond grit-impregnated beads are held in place by plastic spacers.

The wire saw strand is threaded through intersecting vertical and horizontal holes; the wire is jointed together making a large loop which simultaneously cuts the top, bottom, and one end of the granite mass. Water is fed continuously through the narrow cuts to



cool the wire. If a ledge has two open sides, the wire saw can cut the entire block free. However, the attached side must still be channelled by way of drilling or light blasting. This entire block will now be moved over with a water bag jacking plant. The big block is then cut with dressing diamond wire saws into smaller blocks of 10 - 35 tons.

3.2.1 Mineral Processing

The smaller dolerite blocks will then be moved to the dressing yard. The yard is in very close proximity to the mining activities itself. While most dimension stone mine merely "rough-dress" the cut block by jack hammer trimming, the produced at this mining area will mostly be diamond wire dressed. A derrick boom is slowly raised, tightening the hooks in their holes and the block is lifted from the quarry to be placed on a waiting truck for transporting to the dressing yard. After final dressing and quality control these dimensioned saw blocks are removed by mobile crane onto trucks and shipped to monument plants for processing.

3.2.2 Quarry Residue and rehabilitation

The only noticeable mine residue will be the "waste" dolerite material not usable. This material can be used for rehabilitation purposes during decommissioning. The overburden removed during the opencast operation will be used to fill the excavations during rehabilitation with the result that on completion of mining no waste dumps will remain.

3.4 Labour Requirements

The proponent intends to employ more than 26 personnel, including 4 management staff for the first phase of the project. The employees will be sourced from the local community including people from Arandis. All employees will undergo a safety induction, first aid training course and wildlife awareness program. The Labour Act of 2007 will always be adhered to.

3.5 Waste Dumps

In choosing a waste dumpsite, the following aspects will be strongly considered by the explorer:

Topography



- Land-use in the area
- The presence of any hazardous geological structures
- Groundwater considerations
- The prevailing wind direction in the area
- Visual impacts that the waste dump might have
- Presence of surface water in the vicinity of the area
- Presence of sensitive ecological areas

Since the area is located on privately-owned farm, all waste will be transported and disposed out of the area.

3.6 Services

3.6.1 Electricity requirements

At this stage, electricity requirements for the project are minimal. The bulk of the power supply to the quarrying site will be sourced from the proponent's own generator. The power requirements for the proposed project will be minimal as power will only be required for the following activities:

- Emergency lighting
- Powering small machinery during the mineral quarrying process
- Power supply for temporary office block or container if necessary.

3.6.2 Water Supply

For the purpose of the scoping study costing requirements, a separate geohydrological study will be undertaken at an advanced stage of the EIA. The water requirements for the project are minimal. Water containers will be brought on site and utilised whenever necessary. The water will mostly be used for general consumption and cleaning. The water used for granite drilling or wire-saw cutting will be recycled.

3.7 Infrastructure

3.7.1 Refuse and waste removal

The proponent will negotiate directly will all suppliers of consumables such as grease, oil etc. to remove these materials for disposal once they have been used and need to



be discarded. The proponent will provide adequate temporary sanitary facilities and such facilities must be maintained in a hygienic condition. Sewerage must be disposed in a manner not polluting the environment. The proponent will remove all refuse pertaining to the proponent's activities, domestic or otherwise, from the property. Domestic waste will be disposed of at a waste dump in Arandis. The Miner will undertake environmental rehabilitation, both during and at the conclusion of the quarrying operations. Unusable oil will be collected in drums and sold to dealers for recycling.

3.7.2 IT Systems and communication

Provision will be made for two-way radios to enable the drill rig operators and the onsite staff to communicate effectively.

3.7.3 Security and Fencing

No provision has been made for fencing although strict access to and from the drilling site will be facilitated by personnel.

3.7.4 Buildings

At this stage, no permanent camp will be set up and so provision will be made for prefabricated buildings and containers.

3.7.5 Roads

The access roads to the quarrying site are quite good. From Arandis, the quarrying sites will be accessed via the B2 road. The sites are located 8 kms from the B2 road.

3.7.6 Mobile Equipment

The proponent's vehicle fleet will be optimised during the next project phase. Provision will be made for 2 off-road vehicles, an excavator and a front-end loader. Other tools include a genset, wire saws, an electric compressor and a water jacking plant.

3.7.7 Storage of Fuel, Lubrication and consumables

Consumables and lubricants will be stored in a designated area within a container. These substances will only be used for mechanical purposes and are assumed to be



non-hazardous. Diesel will be delivered to a small temporary on-site fuel storage facility by road transport and offloaded into the storage tanks by offloading pumps.

3.7.8 Fire Fighting Provision

Portable fire-extinguishers will be fitted, as required, in vehicles and, as well as in the mobile containers where possible.

4. Description of the Current Environment

4.1 Introduction

This section aims to document the present state of the environment, the likely impact of changes being planned and the regular monitoring to attempt to detect changes in the environment. The project area is positioned at the interface of the Nama Karoo, Desert Biome and Savannah in Namibia (Barnard, 1998). As such, this area represents a high fauna diversity.

Namibia has four very large and arid regions which set them apart in various ways from the rest of the country; Kunene and Erongo region in the west and Karas and Erongo in the south (Mendelsohn, et al., 2002). Rainfall in Erongo is usually both low and variable which implies that years of abundant rain are often followed by extreme dry conditions (Mendelsohn, et al., 2002). Mammals, birds, reptiles and amphibians are generally spaced out within the region due to low rainfall. The eastern parts of the Erongo region have more trees and grass than the Western, coastal areas (Mendelsohn, et al., 2002). As such, farming ventures are challenging with low livestock densities in most parts of the Erongo Region.

There is generally an absence of fences in most parts of the Erongo Region. This makes livestock farming easier which means that both wild and domestic animals can move widely in many places, migrating from areas of poor grazing to other places with more abundant pastures.

4.2 Climatic Conditions

4.2.1 Temperature

In the proposed quarrying area, August is the warmest month with an average



temperature of 21°c at noon. September is the coldest month with an average temperature of 15.5°c at night. Arandis, which is in the vicinity of the project area, has distinct temperature seasons, the temperature varies during the year.

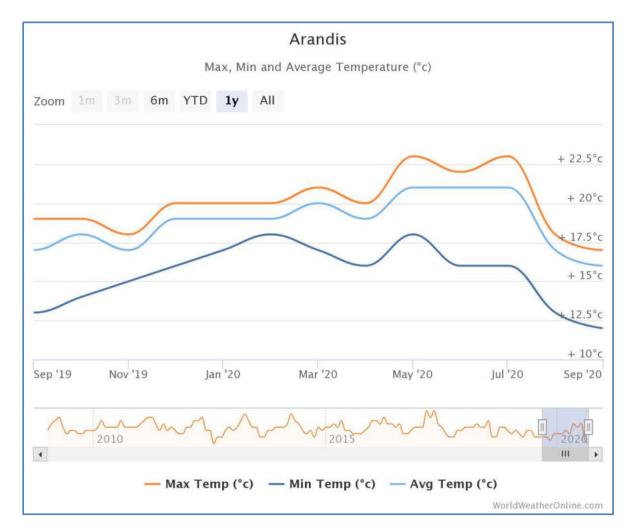


Figure 4 A graph showing the temperature patterns in Arandis, from www.worldweatheronline.com
In winter, temperatures can get to below degrees 12°c. Overall, winters are mild in temperature, with coldest month most often being September.

4.2.2 Precipitation

In the quarrying area, the highest rainfall is usually experienced in April which may reach 6 mm with average rainfall days of 4. In January months, rainfall may reach about 2 mm with 7 average rainfall days. The graph below shows the rainfall patterns in the area.



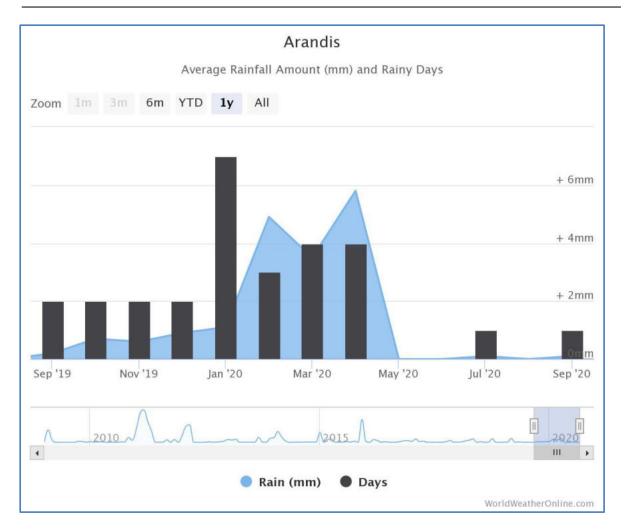


Figure 5 A graph showing rainfall patterns in Arandis, from www.worldweatheronline.com

4.2.3 Wind

Predominantly south easterly. Southerly, easterly and northerly airflow is common. The Arandis area is subject to erratic winds and considerable discrepancies despite short distances, due to the hilly terrain.

4.2.4 Humidity

The relative humidity during the least humid months of the year, i.e. August and June, is around 3% and the most humid month is February with 25% humidity. Namibia has a low humidity in general, and the lack of moisture in the air has a major impact on its climate by reducing cloud cover and rain and increases the rate of evaporation.



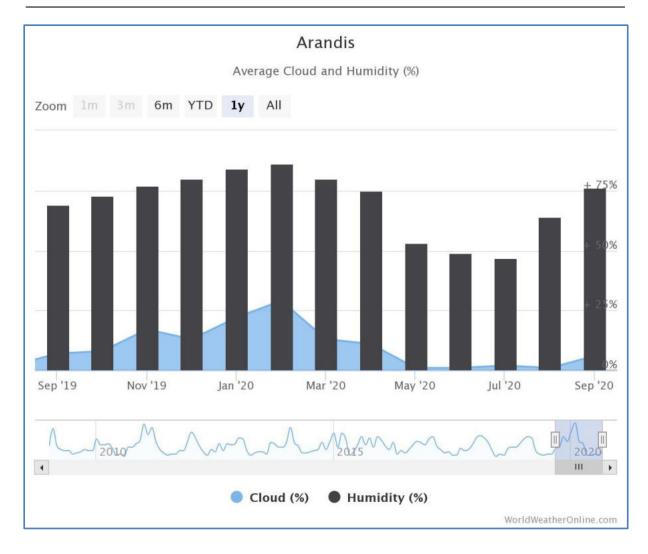


Figure 6 A graph showing the humidity patterns in Arandis, from www.worldweatheronline.com

4.3 Geology

4.3.1 Geological setting

The rocks in the area have been eroded in rocks of the Neoproterozoic Damara Orogenic Belt, which forms the bedrock to most of the Namib Desert. These rocks unconformably overly the 2 Ga Mesoproterozoic Abbabis Basement Complex of granite gneiss. The sedimentary rocks of the Damara Belt consist of arenites and argillites of the Nosib Group, overlain by pelitic sediments and carbonates of the Swakop Group. During metamorphism between 550 Ma and 450 Ma, Nosib and Swakop Group sedimentary rocks were partially mobilized and granitized and then intruded back into the Damara Supergroup to form what is today known as the Damara granites. These various Damaran granitoids have variably weak to strongly radiogenic characteristics.



The main rock types in the area include Karibib marble, Kuiseb schist, Damara aged leucogranites, Salem granite, Karoo dolerite, Klein Spitzkoppe granite and Gross Spitzkoppe granite.



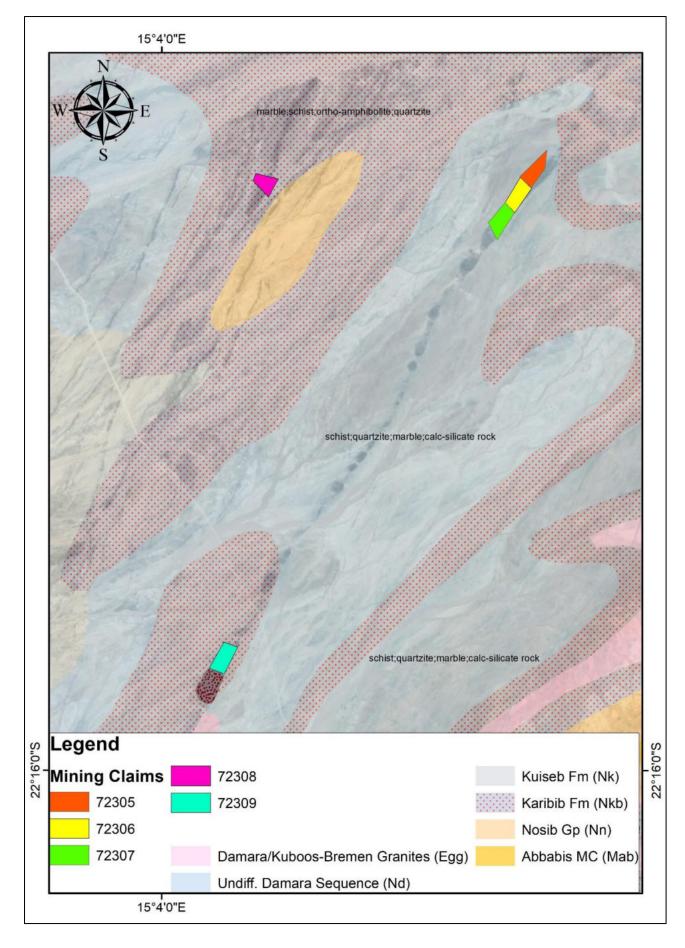


Figure 7 A geological map of the area



4.4 Hydrogeology and Water Resources

There are no river systems which pass through the mining site areas. The project area is underlain by a region with little or no groundwater.



Figure 8 Map showing the groundwater flow in the area.



4.5 Flora

Rainfall in the Erongo Region is usually both low and extremely variable which means that years of abundant rain often followed by extreme dry conditions (Mendelsohn, et al., 2002). In form, vegetation is generally sparse, with few trees and a thin variety of grass. Plant cover varies in relation to rainfall and so the eastern parts of Erongo have more grass and trees than the Western, coastal areas (Christian, 2005). The surrounding area is characterised by low-medium botanical diversity. Based on site visits and the literature review, all the vegetation that are found within the vicinity of the area are considered to be of "medium" to "high" sensitivity against external conditions. The growing season is relatively short due to the semi-arid climate. The most notable protected plant species in the area is the Welwitschia mirabilis.

Climatically the coastal area is referred to as Cool Desert with a high occurrence of fog (Mendelsohn, et al., 2002). The Namib Desert Biome makes up a large proportion (32%) of the land area with parks in this biome making up 69% of the protected area network or 29.7% of the biome (Barnard, 1998). Four of 14 desert vegetation types are adequately protected with up to 94% representation in the protected area network in Namibia (Barnard, 1998).

According to Curtis and Barnard (1998) the entire coast is viewed as sites with special ecological importance in Namibia. The known distinctive values along the Coastline are its biotic richness (arachnids, birds and lichens) and its biotic richness and migrant shorebirds and being the most important Ramsar site in Namibia (Mendelsohn, et al., 2002). The cold Benguela Current sustains a wealth of marine life. It continually produces fog that supports an intriguing variety of animals and plants, including over a hundred species of lichens. Providing stability to the fragile desert environment, vast lichen fields occur at Mile 30 south of Henties Bay and north of the turnoff to Cape Cross Seal Reserve (Brown & Lawson, 1989). The vegetation in the Desert Biome is characterised by a dominance of therophytes which persist in the form of seeds during unfavourable conditions.

The average plant production is extremely low with 0-5% variation in green vegetation biomass. The overall plant diversity (all species) in the general area is estimated to be less than 50 species (Mendelsohn, et al., 2002). These estimates are limited to "higher" plants as information regarding "lower" plants is sparse. Burke (2003)



estimates that over 400 species – 10% of the flora of Namibia – occur in the central Namib and although it has not been identified as a centre of endemism, it is dominated by endemics such as *Arthraerua leubnitziae*. The greatest variants affecting the diversity of plants are habitat and climate with the highest plant diversity generally associated with high rainfall areas (Burke, 2003).

Table 1 A table showing plant species which occur in the area

SCIENTIFIC NAME	COMMON NAME	STATUS IN NAMIBIA
Acacia erioloba	Camel thorn	Protected
Acacia mellifera	Black thorn	Secure
Acacia reficiens	False umbrella thorn	Secure
Acacia haematoxylon	Grey camel thorn	Protected
Acacia erubescens	Blue thorn	Secure
Acacia karroo	Sweet thorn	Secure
Acacia tortolis	Umbrella thorn	Secure
Acacia hereroensis	False hook-thorn	Secure
Commiphora tenuipetiolata	White-stem corkwood	Secure
Aloe littoralis		Protected
Ozoroa crassinervia	Namibian resin tree	Near endemic, protected
Boscia albitrunca	Shepherd's tree	Protected
Albizia anthelmintica	Worm-bark false-thorn	Protected
Ziziphus mucronata	Buffalo-thorn	Protected
Catophractes alexandri	Trumpet thorn	Secure
Combretum apiculatum	Red bush willow	Secure
Commiphora dinteri		Endemic
Commiphora glandulosa	Tall common corkwood	Secure
Commiphora glaucescens	Blue-leaved corkwood	Nearendemic
Croton gratissimus	Lavender fever-berry	Secure
Cyphostemma bainesii		Endemic, protected
Dichrostachys cinerea	Sickle bush	Secure
Diospyros lycioides	Blue bush	Secure
Dombeya rotundifolia	Common wild pear	Endemic
Ehretia alba		Secure
Elephantorrhiza suffruticosa		Secure
Euclea pseudebenus	Ebony tree	Protected
Euclea undulata	Common guarri	Secure
Euphorbia guerichiana	Western woody milk bush	Secure
Euphorbia virosa		Secure
Ficus cordata	Namaqua fig	Protected
Ficus ilicina	Laurel fig	Secure
Ficus sycomorus	Common cluster fig	Protected
Grewia bicolor	White raisin	Secure
Grewia flava	Velvet raisin	Secure



Grewia flavescens	Sand paper raisin	Secure
Gymnosporia senegalensis	Red spike-thorn	Secure
Ipomoea adenioides		Secure
Lycium bosciifolium		Secure
Lycium cinereum		Secure
Lycium eenii		Secure
Lycium hirsutum		Secure
Lycium villosum		Secure
Maerua juncea		Secure
Maerua schinzii	Ringwood tree	Protected
Manuleopsis dinteri		Endemic
Melianthus comosus		Secure
Obetia carruthersiana		Near endemic
Pechuel-Loeschea leubnitziae		Secure
Sterculia africana	African star-chestnut	Protected
Tarchonanthus camphoratus		Secure
Tetragonia schenckii		Secure
Vernonia cinerascens		Secure
Searsia (Rhus) ciliata		Secure
Searsia (Rhus) lancea	Karree	Protected
Searsia (Rhus) marlothii		Secure
Welwitschia mirabilis	Welwitschia	Protected

The density of vegetation in the vicinity of the tourism development site is fairly sparse. Every effort will be made to protect the existing plant species, especially the Welwitschia, as these are very important to the ambience and visual appeal of the tourism development site. A vegetation expert will be consulted throughout the lifecycle of the project. The protected plant species in the project area are shown in the table below.

Table 2 Table of plant species which are protected under the Forestry Act and likely to occur in the area.

SCIENTIFIC NAME	COMMON NAME
Acacia erioloba	Camel thorn
Acacia haematoxylon	Grey camel thorn
Albizia anthelmintica	Worm-bark false-thorn
Boscia albitrunca	Shepherd's tree
Euclea pseudebenus	Ebony tree
Ficus cordata	Namaqua fig
Ficus sycomorus	Common cluster fig



Maerua schinzii	Ringwood tree
Ozoroa crassinervia	Namibian resin tree
Searsia (Rhus lancea)	Karree
Sterculia Africana	African star-chestnut
Welwitschia mirabilis	Welwitschia

4.6 Fauna

4.6.1 Introduction

The information is based on a detailed literature review and a site visit which was carried out on the 6th to 8th of June 2022. The purpose of the Fauna literature review is to identify all potential amphibians, reptiles, and mammals expected on the project area and the surrounding farms in the vicinity of the quarrying area. The proposed quarrying area supports numerous faunal species but there are no species that are exclusive to the study area.

Larger types of animals such as zebras, giraffes, lions and elephants are very rare in this area. There are no species which are exclusively endemic to the quarrying area. Based on literature review, development of a quarrying project in the area will not have a negative impact on any of the species in the project area.

4.6.2 Amphibians

Based on the literature review, there are generally 14 types of amphibian species that occur in project area. Nine of these amphibian species occur abundantly, two occur rarely and six of them occur uncommonly. Griffin (1998) highlighted that amphibian species are declining throughout the world due to various factors such as climate change and habitat destruction. There are approximately 4000 species of amphibians worldwide of which over 200 species are present in Southern Africa and 57 in Namibia (Griffin, 1998). However, this low figure may be due to the lack of detailed studies carried out on amphibians. The table below shows the different amphibian species that are likely to occur within the study area.

Table 3 A list of amphibian species which may occur in the project area

	SCIENTIFIC NAME	COMMON NAME	STATUS	OCCURRENCE	REFERENCE
•	1				



DI ATANINAC				
PLATANNAS				
Xenopus laevis	COMMON PLATANNA	SECURE	ABUNDANTLY	(Daudin, 1802)
TOADS				
Breviceps adspersus	BUSHVELD RAIN FROG	SECURE	ABUNDANTLY	Peters, 1882
Bufo dombensis	DOMBE DWARF TOAD	ENDEMIC & INADEQUETLY KNOWN	ABUNDANTLY	Bocage, 1895
Bufo poweri	MOTTLED TOAD	SECURE	ABUNDANTLY	Hewitt, 1935
FOSSORIAL FROGS	s			
Phrynomantis affinis	SPOTTED RUBBER FROG	AMBIGUOUS (RARE?)	RARELY	(Boulenger, 1901)
Phrynomantis bifasciatus	BANDED RUBBER FROG	SECURE	ABUNDANTLY	(Smith, 1848)
SAND FROGS, BUL	SAND FROGS, BULLFROGS, RIDGED FROGS, CACOS, PUDDLE FROGS etc.			
Cacosternum boettgeri	COMMON CACO	SECURE	ABUNDANTLY	(Boulenger, 1882)
Hildebrandtia ornata	ORNATE FROG	SECURE	UNCOMMONLY	(Peters, 1878)
Phrynobatrachus mababiensis	MABABE PUDDLE FROG	SECURE	UNCOMMONLY	FitzSimons, 1932
Phrynobatrachus natalensis	SNORING PUDDLE FROG	SECURE	UNCOMMONLY	(A. Smith, 1849)
Pyxicephalus adspersus	GIANT BULLFROG	SECURE	ABUNDANTLY	Tschudi, 1838
Tomopterna krugerensis	KNOCKING SAND FROG	SECURE	RARELY	Passmore et al, 1975
Tomopterna tandyi	TANDY'S SAND FROG-	SECURE	ABUNDANTLY	Channing et al, 1996
TREE FROGS, REE	TREE FROGS, REED FROGS & KASSINAS			
Kassina senegalensis	BUBBLING KASSINA	SECURE	ABUNDANTLY	(Dumèril et al, 1841)

4.6.3 Mammals

Based on the literature review, there are generally about 68 species of mammals expected to occur within the immediate area. There are generally 25 species which rarely occur, 2 species that occur seasonally, 4 that occur occasionally, and 33 that



occur abundantly within the project area. Considering the relative size of the quarrying area, the mammal fauna will not be affected by the quarrying activities of the proponent. Namibia is seemingly well endowed with mammal diversity with around 250 species know to be present within the country (Griffin, 1998). There are currently 14 mammal species which are considered to be endemic to Namibia, including 11 species of rodents and small carnivores which are not well known. Griffin (1998), points out that most of these endemic mammals are associated with the Namib and Escarpment with 60% of these appearing to be rock-dwelling species. The author, Griffin (1998) further highlights that the endemic mammal fauna is best characterized by the endemic rodent family *Petromuridae* (Dassie rat) and the rodent genera *Gerbillurus* and *Petromyscus*. The table below shows the mammal species which are likely to occur within the study area. A full list, of mammal species that are likely to occur within the area, is in the appendix section at the end.

Table 4 Mammal species which are likely to occur within the project area.

SCIENTIFIC NAME	COMMON NAME
Acinonyx jubatus	Cheetah
Antidorcas marsupialis	Springbok
Atelerix frontalis angolae	Southern African Hedgehog
Canis mesomelas	Black-backed Jackal
Caracal caracal	Caracal
Crocuta crocuta	Spotted Hyena
Cynictis penicillata	Yellow Mongoose
Equus zebra hartmannae	Hartmann's Mountain Zebra
Felis nigripes	Black-footed Cat
Felis silvestris/lybica	African Wild Cat
Galerella sanguinea	Slender Mongoose
Genetta genetta	Small Spotted Genet
Ictonyx striatus	Striped Polecat
Lepus capensis	Cape Hare Secure
Lepus saxatilis	Scrub Hare
Manis temminckii	Ground Pangolin
Mellivora capensis	Honey Badger/Ratel
Oreotragus oreotragus	Klipspringer
Oryx gazella	Gemsbok
Otocyon megalotis	Bat-eared Fox
Panthera pardus	Leopard



Parahyaena (Hyaena) brunnea	Brown Hyena
Phacochoerus africanus	Common Warthog
Proteles cristatus	Aardwolf
Raphicerus campestris	Steenbok
Suricata suricatta marjoriae	Suricate
Sylvicapra grimmia	Common Duiker
Tragelaphus strepsiceros	Greater Kudu
Vulpes chama	Cape Fox

4.6.4 Reptiles

The literature review showed that there are approximately 60 reptile species that are expected to occur in the site area. According to the Namibia Conservation Ordinance of 1975, there are four reptile species protected, namely:

Table 5 Protected reptile species in the project area

SCIENTIFIC NAME	COMMON NAME	STATUS
Psammobates Oculiferus	Kalahari Tent Tortoise	Protected
Python Natalis	Southern African Python	Protected
Geochelone Pardalis	Leopard Tortoise	Protected
Varanus Albigularis	Veld Leguaan	Protected

Griffin (1998) highlighted the presence of 261 species of reptiles which are present in Namibia. These reptiles make up 30% of the reptile species found on the continent. 55 species of Namibian Lizards are classified as endemic (Griffin, 1998). The author, Griffin (1998), describes that more than 60% of the reptiles found in Namibia are protected by the conservation Ordinance. Namibia, with 129 species of lizards, has one of the continent's richest lizard Fauna. The table in the appendix shows the reptile species which are likely to occur within the vicinity of the quarrying area.

4.7 Avifauna (Birds)

Simmons et al (2003) points that although Namibia's Avifauna is comparatively sparse compared to the high rainfall equatorial areas elsewhere in Africa, approximately 658 species have already been recorded with a diverse unique group of arid endemics. There are approximately 650 species of birds that have been recorded in Namibia,



although the country's avifauna is comparatively sparse compared to the high rainfall equatorial areas in Africa (Brown & Lawson, 1989). Brown et al (1989) mentions that 14 species of birds are endemic or near endemic to Namibia with the majority of Namibian endemics occurring in the Savannah of which ten species occur in a north-south belt of dry Savannah in Central Namibia. Simmons (2003) recorded 63 species of birds within the vicinity of the project area. 650 bird species are recorded in Namibia, of which 160 species are present in area, especially after good rains fall (Christian, 2005). These birds consist of raptors, chats, larks and karoid species. Christian (2005) recorded the presence of the following bird species in the vicinity of the area, which include:

Table 6 Bird scpecies which are likely to occur within the site area.

SCIENTIFIC NAME	COMMON NAME
Agapornis roseicollis	Rosy-faced Lovebird
Eupodotis rueppellii	Rüppell's Korhaan
Lanioturdus torquatus	White-tailed Shrike
Parus carpi	Carp's Tit
Phoeniculus damarensis	Violet Wood-Hoopoe
Poicephalus rueppellii	Rüppell's Parrot
Pternistis hartlaubi	Hartlaub's Spurfowl
Tockus damarensis	Damara Hornbil
Tockus monteiri	Monteiro's Hornbill

A full list of bird species within the area is shown in the appendix.

4.8 Archaeology and Heritage Sites

A separate archaeological specialist study is attached to this report.

4.9 Socio-Economic Environment

4.9.1 Overview of the surrounding settlements

Arandis is a town situated in the Erongo Province of Namibia. This town is also known as the "Uranium Capital of the World" because the largest open-pit uranium mine is located 15 km from it. This mine, the Rössing Uranium Mine, was established in 1978 and the town of Arandis was established in 1994. Arandis has a total population of



approximately 8 000 residents and houses the Namibian Institute of Mining and Technology. It has been called the Uranium Capital of the World as it is located just 15 km outside the world's largest open-pit uranium mine, the Rössing Uranium Mine. Established for the workers of Rössing Uranium in 1978, Arandis was granted selfadministration and "town" status in 1994. Currently it has 7,600 inhabitants, most of whom are somehow connected to the mine, and owns 29 square kilometres of land. Besides Rössing, Arandis also serves the Husab and Trekkopje uranium mines. It is the home of the Namibian Institute of Mining and Technology, a technical institute focusing on training skilled industrial workers. The 2000s saw a resurgence in economic growth in Arandis. With the global energy crisis, a significant rise in demand occurred for nuclear energy, increasing demand for Arandis' Uranium. Banks, which had previously closed and youth who had previously left the town seeking employment elsewhere, returned. In 2008, negotiations were at an advanced stage for a Chinese company, Namibia Industrial Mining Limited to build a factory for making building materials in Arandis. After an investment conference was held in 2011, investors have decided to erect a shopping mall in town.

4.9.2 Social Economic Impact

Although a few people and animals might be negatively affected by dust and noise, the miner will ensure that these aspects are properly mitigated. With the potential employment of 27 people, this means that 27 families will benefit from the project during the initial phase. The project has great potential to improve livelihoods and contribute to sustainable development within the surrounding community. Community meetings will be held from time to time by the proponent wherever possible, with the purpose of effectively communicating with the local community and to avoid any unexpected social impacts.



5. Assessment of Impacts

The purpose of this assessments of impacts section is to identify and consider the most pertinent environmental impacts and to provide possible mitigation measures that are expected from the quarrying activities on the proposed mining sites. Two different phases are associated with the proposed development. Two different phases are associated with the proposed development. Firstly, the construction phase, and secondly the operational phase is being covered by this assessment. Should the quarrying activities cease in the future, an EIA will need to be conducted to deal with the associated changes to environment. Mitigation measures for the identified impacts are also provided in this Section.

The following assessment methodology was used to examine each impact identified:

Table 7 Assessment methodology used to examine the impacts identified

Evaluation Criteria	Symbol	Significance of Rating
Nature of impact:	P or N	Effect the proposed activity would have on the affected environment which is positive (P) or negative (N)
Extent of impact:	0	On-Site (the site and it's immediate surrounds)
	L	Local (Quarrying Area)
	R	Regional (Erongo Region)
	N	National (Namibia)
	I	International
Duration of impact:	SD	Short Duration (0 to 5 years)
	MD	Medium Duration (5 to 15 years)
	LD	Long Duration (lifetime of the development)
Intensity of impact:	L	Low intensity where the natural, cultural and social functions and processes are not affected.
	M	Medium intensity where the affected environment is altered but natural, cultural and social functions and processes can continue.
	Н	High intensity where the affected environment is altered to the extent that natural, cultural and social functions and processes will temporarily or permanently cease.
Probability of impact:	LP	Low probability is when the possibility of the impact occurring is low.
	P	Probable is when there is a distinct possibility that it will occur.
	HP	Highly probable is when the impact is most likely to occur.
	D	Definite where the impact will occur.



Significance of Impact: Further subdivided into impacts with mitigation (MM) measures and impacts with no mitigation measures (NMM).	L	Low Significance is when natural, cultural, social and economic functions and processes are not affected. If the impacts are adverse, mitigation is either easily achieved or little will be required, or both. If impacts are beneficial, alternative means of achieving this benefit are likely to be easier, cheaper, more effective and less time=consuming
	M	Medium Significance is when the affected environment is altered but natural, cultural, social and economic functions and processes can continue. An impact exists but is not substantial in relation to other impacts that might take effect within the bounds of those that could occur. In the case of beneficial impacts, other means of achieving this benefit are about equal in time, cost and effort.
	Н	High Significance is when the affected environment is altered to the extent that natural, cultural, social and economic functions and processes will temporarily or permanently cease. If impacts are adverse, there is no possible mitigation that could offset the impact, or mitigation is difficult, expensive, time consuming or a combination of these. In the case of beneficial impacts, the impact is of a Substantial order within the bounds of impacts that could occur.

5.1. Overall socio-economic benefits and issues

5.1.1. Socio-economic benefits

With the potential employment of 27 people, this means that 27 families will benefit from the project during the construction phase. The project has great potential to improve livelihoods and contribute to sustainable development within the surrounding community. Community meetings will be held from time to time by the proponent wherever possible, with the purpose of effectively communicating with the local community and to avoid any unexpected social impacts.

5.1.1.1. Potential Direct Benefits

Direct capital investment: The quarrying project will require a significant capital investment of at least N\$ 40 million. This will be used for purchasing plant and machinery required for the project.

Stimulation of skills transfer: Due to the nature of quarrying operations, the proponent will implement ad-hoc training programme for some of its staff members. Training programmes will be well structured and staff members will permanently benefit from these training programmes.



Job creation: With the potential employment of 27 people, this means that 27 families will benefit from the project during the on-going phase. The project has a great potential to improve livelihoods and contribute to sustainable development within the surrounding community.

5.1.1.2. Potential Indirect Benefits

- The data generated from the quarrying activities will be made available to the Ministry of Mines and Energy for future research purposes.
- General enhancement of the health conditions and quality of life for a few people in the surrounding settlements.
- Of significance is the prospect of diversification of the surrounding economy, which is presently mainly focussed on farming, tourism and small-scale mining of semi-precious stones.

5.1.1.3. General socio-economic concerns

Notwithstanding the above benefits there are a few concerns that could reduce or counteract the above benefits related to the project, as follows:

- As the movement of staff and contractors to and from the area increases, the risk of spread of HIV/AIDS increases.
- Increased influx of people to the area as people come in search of job opportunities during the construction and operational phase of the quarrying project; and
- Increased informal settlement and associated problems.

Table 8 Impact evaluation for socio-economy

Identified	Signif	icance	Duration	Extent	Intensity	Probability
Impact	NMM	MM	-			
Increased spread of HIV/AIDS	f M	L	LD	N	М	LP
Increased influx of people to the area	f L	L	SD	L	L	Р
Increased informates settlement in the area	I M	L	MD	L	L	LP



5.2. Quarrying phases and associated issues

5.2.1. Construction Phase of the Project

The following potential effects on the environment during the construction phase of the quarrying project have been identified:

5.2.1.1. Dust

Dust may be generated during this phase and might be aggravated during the winter months when strong winds occur. Dust will be generated by the vehicles moving in the area. Fall out dust settling on vegetation is likely to cause local disruptions in herbivorous and predatory complexes and should be minimised as far as possible.

5.2.1.2. Noise

Noise will most likely be generated by vehicles during the construction phase. It is recommended that vehicle movement be limited to normal daytime hours to allow nocturnal animals to roam freely at night.

5.2.1.3. Safety and Security

During construction, small tools and equipment will be used on site. This increases the possibility of injuries and the responsible manager must ensure that all staff members are briefed about the potential risks of injuries on site. The manager is further advised to ensure that adequate emergency facilities, including first aid kits, are available on site. All Health and Safety standards specified in the Labour Act should be complied with.

Should a camp be necessary at a later stage, it should be located in such a way that it does not pose a risk to the community members and wildlife that roam the area.

5.2.1.4. Visual

The proposed quarrying area is situated more than 1 km from any main road. As such, any visual impact that might be caused by the team are minimal. In some parts of the area, the topography of the quarrying site is slightly elevated.



Table 9 Impact evaluation for the construction phase of the project

Identified	Signif	icance	Duration	Extent	Intensity	Probability
Impact	NMM	ММ				
Dust	L	L	SD	L	L	Р
Noise	М	L	SD	L	М	D
Safety & Security	L	L	SD	0	L	Р
Visual	L	L	MD	0	L	LP

5.2.2. Operational phase of the Project

During the operation phase of the project, rock units will be cut by using a wire saw and sand will be excavated. For the purpose of conveniently refuelling company vehicles without driving long distances, a small fuel storage tank will be kept on site.

5.2.2.1. Air Quality

In terms of air quality, emissions will be given off by 4x4 vehicles, excavators, front end loaders and the drill rig but not to an extent that warrants concern. Dust will also be produced by the drill rig and the movement of vehicles in the area.

5.2.2.2. Fire and Explosion Hazard

Hydrocarbons are volatile under certain conditions and their vapours in specific concentrations are flammable. If precautions are not taken to prevent their ignition, fire and subsequent safety risks may arise.

All fuel storage and handling facilities in Namibia must however comply with strict safety distances as prescribed by SANS 10089. SANS 10089 is adopted by the Ministry of Mines and Energy as the national standard.

It must further be assured that enough water is available for firefighting purposes. In addition to this, all personnel must be sensitised about responsible fire protection measures and good housekeeping such as the removal of flammable materials including rubbish, dry vegetation, and hydrocarbon-soaked soil from the vicinity of the quarrying area. Regular inspections should be carried out to inspect and test firefighting equipment and pollution control materials at the drilling site.



All fire precautions and fire control at the site must be in accordance with SANS 10089-1:1999, or better. A holistic fire protection and prevention plan is needed.

Experience has shown that the best chance to rapidly put out a major fire, is in the first 5 minutes. It is important to recognise that a responsive fire prevention plan does not solely include the availability of firefighting equipment, but more importantly, it involves premeditated measures and activities to timeously prevent, curb and avoid conditions that may result in fires. An integrated fire prevention plan should be drafted before drilling.

5.2.2.3. Generation of Waste

Waste in the form of contaminated soil due to minor spillage might occur but should be prevented through the use of containment areas as provided. Solid waste will also be generated from contractors, staff members and other visitors to the area. Care should be taken when handling waste material.

5.2.2.4. Health and Safety

The drilling programme operations can cause serious health and safety risks to workers on site. Occupational exposures are normally related to the dermal contact with fuels and inhalation of fuel vapours during handling of such products. For this reason, adequate measures must be brought in place to ensure safety of staff on site, and includes:

- Proper training of operators;
- First aid treatment:
- Medical assistance;
- Emergency treatment;
- Prevention of inhalation of fumes:
- Protective clothing, footwear, gloves and belts; safety goggles and shields;
- Manuals and training regarding the correct handling of materials and packages should be in place and updated as new or updated material safety data sheets becomes available;
- And Monitoring should be carried out on a regular basis, including accident reports.



5.2.2.5. Fauna

Quarrying activities may have minor disturbances on the habitat of a few species but no significant impacts on the animals are expected. The proponent shall ensure that no animal shall be captured, killed or harmed by any of the employees in any way. Wildlife poaching will strongly be avoided as this is an offence and anyone caught infringing in this regard will face suspension from the project and will be liable for prosecution.

5.2.2.6. Vegetation

The natural vegetation is seemingly undisturbed in the project area except for grasses, which have been grazed by livestock and wild animals. Some vegetation species in the area may be adversely impacted by the project. The type of vegetation that might be affected by the project are:

- Bushes
- Ephemeral grasses
- Small trees

Some of the sensitive vegetation types in the area include:

- Shallow drainage line vegetation
- Scrublands surrounding the quarrying area

Certain species regarded as particularly important for conservation may yet be identified and made known via an Addendum to this report. If particularly important species are found, they will be located by GPS and their locations communicated to the Ministry of Environment and Tourism. Such locations will then be demarcated and completely avoided.

5.2.2.7. Avifauna

Birds or Nest sites will not be disturbed by any employee, tourist or contractor. Should the employees observe any bird nesting sites for vultures, they will be reported to the Ministry of Environment and Tourism and the site will be avoided.



5.2.2.8. Alien Invasive Plants

Disturbance to the natural environment often encourages the establishment of alien invasive weed species. Some of the plant species that could become invasive in the area are listed below:

- Prosopis glandulosa
- Lantana camara
- Cyperus esculentus
- Opuntia imbricate
- Cereus jamacara
- Melia azedarach
- Harissia martini

There are numerous ways in which invasive species can be introduced deliberately or unintentionally.

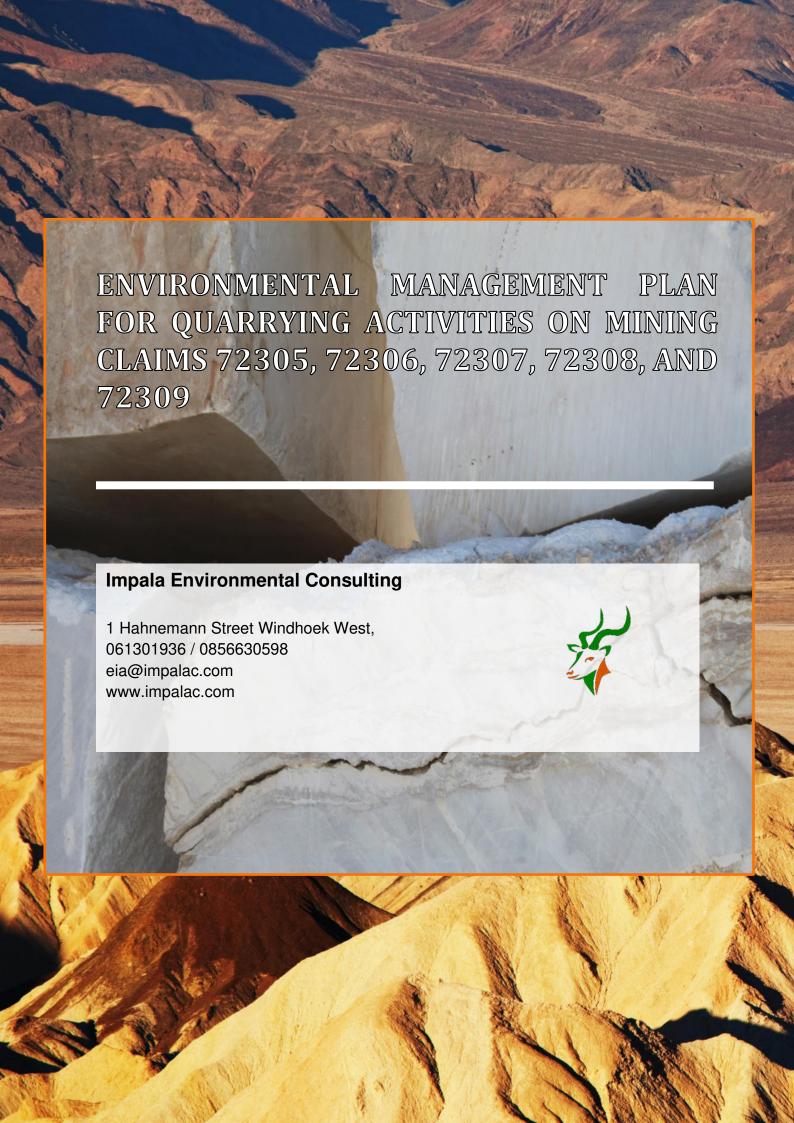
5.2.2.9 Heritage Impacts

Although no archaeological sites have been identified yet in the project area, appropriate measures will be undertaken upon discovering any new archaeological sites. All archaeological remains are protected under the National Heritage Act (2004) and will not be destroyed, disturbed or removed. The Act also requires that any archaeological finds be reported to the Heritage Council Windhoek.

Table 10 Impact evaluation for the operational phase of the project

Identified	Significance		Duration	Extent	Intensity	Probability
Impact	NMM	MM				
Air Quality	М	L	LD	L	М	HP
Fire & Explosion Hazard	Н	М	SD	0	М	LP
Generation of waste	М	L	LD	0	L	D
Health and Safety	Н	М	MD	N	L	Р
Fauna	M	L	MD	L	М	D
Vegetation	М	L	MD	L	М	D
Avifauna	М	L	MD	L	М	LP
Alien Invasive Plants	M	L	MD	L	M	Р
Heritage	М	L	LD	0	Н	LP





6. Environmental Management Plan

6.1 Overview

This Environmental Management Plan is intended to give effect to the recommendations of the Environmental Impact Assessment. To achieve this goal, it is essential that all personnel involved on the quarrying are fully aware of the environmental issues and the means to avoid or minimize the potential impacts of activities on site. The proposed quarrying activities are summarized in Section 3 of the scoping report above. Legal and policy requirements are well known and understood by the proponent, its employees and contractors and will be strictly enforced by its management team. A general description of the environment is contained in Section 4, and more site-specific information on particularly sensitive areas is contained in Section 4 as well. Issues and concerns identified in the EIA will form a set of environmental specifications that will be implemented on site. It is the intention that these environmental specifications should form the basis for an agreement between the proponent and the Ministry of Environment and Tourism. By virtue of that agreement, these specifications will become binding on the proponent.

Environmental management requires a joint effort on the part of all parties involved. The proponent has assigned certain roles to ensure that all players fulfil their responsibilities in this regard.

6.2 Environmental Management Principles

The proponent will ensure that all parties involved in the project uphold the following broad aims:

- All persons will be required to conduct all their activities in a manner that is environmentally and socially responsible. This includes all consultants, contractors, and sub-contractors, transport drivers, guests and anyone entering the quarrying areas in connection with the quarrying project.
- 2. Health, Safety and Social Well Being
- Safeguard the health and safety of project personnel and the public against potential impacts of the project. This includes issues of road safety, precautions against natural dangers on site, and radiation hazards; and,



- Promote good relationships with the local authorities and their staff.
- 3. Biophysical Environment
- Wise use and conservation of environmental resources, giving due consideration to the use of resources by present and future generations;
- Prevent or minimise environmental impacts;
- Prevent air, water, and soil pollution, Biodiversity conservation and Due respect for the purpose and sanctity of the area.

To achieve these aims, the following principles need to be upheld.

A. Commitment and Accountability:

The proponent's senior executives and line managers will be held responsible and accountable for:

Health and safety of site personnel while on duty, including while travelling to and from site in company vehicles and environmental impacts caused by quarrying activities or by personnel engaged in the quarrying activities, including any recreational activities carried out by personnel in the area

B. Competence

The proponent will ensure a competent work force through appropriate selection, training, and awareness in all safety, health and environmental matters.

C. Risk Assessment, Prevention and Control

Identify, assess and prioritise potential environmental risks. Prevent or minimize priority risks through careful planning and design, allocation of financial resources, management and workplace procedures. Intervene promptly in the event of adverse impacts arising.

D. Performance and Evaluation



Set appropriate objectives and performance indicators. Comply with all laws, regulations, policies and the environmental specifications. Implement regular monitoring and reporting of compliance with these requirements.

E. Stakeholder Consultation

Create and maintain opportunities for constructive consultations with employees, authorities, other interested or affected parties. Seek to achieve open exchange of information and mutual understanding in matters of common concern.

F. Continual Improvement

Through continual evaluation, feedbacks, and innovation, seek to improve performance regarding social health and well-being and environmental management throughout the lifespan of the quarrying project.

G. Financial Provisions for Quarrying

In line with Namibia's environmental rehabilitation policy, the proponent will make the necessary financial provision for compliance with the EMP.

6.3 Impacts on the Bio-physical Environment

6.3.1 Impacts on Archaeological Sites

The **nature of impact** is outlined below:

- Potential damage to archaeological sites as a result of vehicle tracks, footprints and actions of contractors, employees and visitors of the quarrying site.
- As the mitigation measures below are fully enforced, any impact will be significantly reduced compared to with present situation.

Mitigation Measures to be enforced:

- Buffer zones will be created around the sites.
- Adhere to practical guidelines provided by an archaeologist to reduce the archaeological impact of quarrying activities.



- All archaeological sites to be identified and protected before construction commences.
- Notices/information boards will be placed on sites.
- Training employees regarding the protection of these sites.

Methods for monitoring:

 An archaeologist will inspect any identified archaeological sites before commencing with the quarrying activities.

6.3.2 Impacts on Fauna

The **nature of impact** is outlined below:

- Movement of vehicles in and out of the site.
- Noise produced by moving earth-moving equipment.

Mitigation Measures to be enforced:

- Some habitat areas such as trees of the riverbeds and tunnels outcrops will be avoided wherever possible.
- A fauna survey will be conducted to determine the effect of fragmented habitat on game species should the need arise.
- No animals shall be killed, captured or harmed in any way.
- No foodstuff will be left lying around as these will attract animals which might result in human-animal conflict.
- Care will be taken to ensure that no litter is lying around as these may end up being ingested by wild animals
- No animals shall be fed. This allows animals to lose their natural fear of humans, which may result in dangerous encounters.

Methods for monitoring:

Regular monitoring of any unusual signs of animal habitat.



6.3.3 Impacts on Avifauna

Birds or Nest sites will not be disturbed by any employee, visitor or contractor.

6.3.4 Impact on Vegetation

The **nature of impact** is outlined below:

- Negative impacts on plants from trenching, compacting and removal of plants.
- Negative Impact from movement of vehicles and the movement of people around the site.
- Negative impacts from land-clearing and quarrying operations.

Mitigation Measures to be enforced:

- Environmental considerations will be adhered to at all times before clearing roads, trenching and excavating.
- Paths and roads will be aligned to avoid root zones. Permeable materials will be used wherever possible.
- The movement of vehicles in riverbeds, rocky outcrops and vegetation sensitive areas will be avoided.
- The movement of vehicles will be restricted to certain tracks only.
- Areas with species of concern will be avoided.
- Ministry of Environment and Tourism will be informed of any protected species which will be transplanted in consultation with MET.

6.3.5 Impacts of Alien invasive Plants

The **nature of impact** is outlined below:

- Plant or seed material may adhere to car tyres or animals
- Seed or plant material may be imported to site in building materials if the source is contaminated.
- Seeds may blow from debris removed at sites.



Mitigation Measures to be enforced:

- The explorer will ensure that debris is properly disposed off.
- Vehicle tyre inspections can be carried out although this may not be a practical mitigation measure.
- Eradicating alien plants by using an Area Management Plan

Methods for monitoring:

Regular monitoring of any unusual signs of alien species.

6.3.6 Impacts on Socio-Economic

The **nature of impact** is outlined below:

- Impact from loss of grazing for domestic livestock in "exclusive use zone"
- Impacts on cultural and spiritual values.
- Demographic factors: Attraction of additional population that cannot benefit from the project.
- Perception of Health and Safety risks associated with quarrying.

Mitigation Measures to be enforced:

- The population change can be mitigated by employing people from the local community and encouraging the contractors to employ local individuals.
- The perception of risks will be mitigated by putting up safety signs wherever possible and ensuring that all employees and visitors to the site undergo a safety induction course.

Methods for monitoring:

Public meetings will be held by the proponent whenever necessary.

6.3.7 Visual Impacts

The **nature of impact** is outlined below:



Tracks and damaged vegetation caused by the quarrying vehicles.

Mitigation Measures to be enforced:

• Environmental considerations will be adhered to at all times before clearing roads, trenching and excavating.

Methods for monitoring:

• Employees will be trained on the importance of minimising visual impacts.

6.3.8 Use of Natural Resources

Water and electricity are very scarce in Namibia. During the quarrying, best international practices will be considered as a minimum standard for operation. The bulk of the power supply to the quarrying site will be sourced from the proponent's own generator. The proponent will maximise water recycling opportunities wherever possible.

6.3.9 Generation of Solid Waste

Correct management of solid waste will involve a commitment to the full waste life cycle by all the employees and contractors of the site. The Proponent's goal is to avoid the generation of solid waste in the first place and if not possible, to minimise the volumes generated by looking at technologies that promote longevity and recycling of products. Ideally, the proponent should transport solid waste to a registered site for disposal. However, it is not certain if such facilities are available in the area or if they have the capacity to handle large increases in volume. Appropriate on site facilities will be designed to store large volumes of waste.

6.3.10 Noise

The **nature of impact** is outlined below:

- Movement of people, and vehicles.
- Noise may be generated from the drill rig and wire saw.

Mitigation Measures to be enforced:



• Disturbance to fauna that roam the area will be minimized by training the employees on ways to minimise noise.

6.3.11 Air Quality

The **nature of impact** is outlined below:

• Dust from movement of people, vehicles and earth-moving machinery. Emissions from vehicles and drill rigs as well.

Mitigation Measures to be enforced:

- All staff on should be equipped with dosimeters that measure exposure levels to radiation.
- All staff must be made aware of the health risk and obliged to wear dust masks.

6.4 Summary of Environmental Management Plan during construction, operation and decommissioning phases

	Construction/Initial Phase		
Environmental Impact	Proposed mitigation measures	Responsibility	Monitoring plan
Air pollution	 Control speed and operation of construction vehicles. Prohibit idling of vehicles. Maintenance of vehicles and equipment. Sensitize field quarrying workers and contractors. Workers should be provided with dust masks if working in sensitive areas. 	Contractor Site Manager	Amount of dust produced. Level of Landscaping carried out.
Noise pollution	 Maintain equipment and vehicles. Work should only be carried out only during daytime i.e. 08h00 to 17h00. Workers should wear earmuffs if working in noisy section. Management to ensure that noise is kept within reasonable levels. 		Amount of noise
Solid waste	 Any debris should be collected by a waste collection company If trenches are dug, waste should be re-used or backfilled. The site should have waste receptacles with bulk storage facilities at convenient points to prevent littering during quarrying. 		Presence of well- Maintained receptacles and central collection point.



Oil looks sad	- Vahialaa and assistances to the U	- Combination	No oil onille and
Oil leaks and spills	 Vehicles and equipment should be well maintained to prevent oil leaks. Contractor should have a designated area where maintenance is carried out and that is protected from rainwater. All oil products should be handled carefully. 	Contractor	No oil spills and leaks on the site
First aid	A well-stocked first aid kit shall be maintained by qualified personnel	Management	Contents of the first aid kit.
Visual	Environmental considerations will always be adhered to before clearing roads, trenching and excavating.	Management	Employees will be trained on the importance of minimising visual impacts.
Archaeological Sites	 Buffer zones will be created around the sites. Adhere to practical guidelines provided by an archaeologist to reduce the archaeological impact of quarrying activities. All archaeological sites to be identified and protected before further quarrying commences. 	Management	Register of all archaeological sites identified.
Occupation al Health and Safety	 Provide Personal Protective Equipment Train workers on personal safety and how to handle equipment and machines. A well-stocked first aid kit shall be maintained by qualified personnel. Report any accidents / incidences and treat and Compensate affected workers. Provide sufficient and suitable sanitary conveniences which should be kept clean. 	Contractor Management	 Workers using Protective Equipment. Presence of Well stocked First Aid Box. Clean sanitary facilities.
Fauna	 Some habitat areas such as trees of the riverbeds and tunnels outcrops will be avoided wherever possible. A fauna survey will be conducted to determine the effect of fragmented habitat on game species should the need arise. No animals shall be killed, captured or harmed in any way. No foodstuff will be left lying around as these will attract animals which might result in human-animal conflict. 		Regular monitoring of any unusual signs of animal habitat.
Alien Invasive Plants	 The explorer will ensure that debris is properly disposed of. Vehicle tyre inspections can be carried out although this may not be a practical mitigation measure. Eradicating alien plants by using an Area Management Plan 	Contractor	Regular monitoring of any unusual signs of alien species.
Loss of vegetation	 Environmental considerations will be adhered to at all times before clearing roads, trenching and excavating. Paths and roads will be aligned to avoid root zones. Permeable materials will be used wherever possible. The movement of vehicles in river beds, rocky outcrops and vegetation sensitive areas will be avoided. The movement of vehicles will be restricted to certain tracks only. 	Management	 Warning signs on site restored vegetation
	Operational Phase		



Environmental/ Social	Proposed mitigation measures	Responsibility	Monitoring plan
Impact			
Noise pollution	 Maintain vehicles and drilling equipment. Quarrying should be carried out only during daytime. Workers to wear earmuffs if working in noisy section Management to ensure that noise is kept within reasonable levels. 	Contractor Management	Amount of noise
Visual	Environmental considerations will be adhered to at all times before clearing roads, trenching and excavating.	Management	 Employees will be trained on the importance of minimising visual impacts.
Fauna	 Some habitat areas such as trees of the riverbeds and tunnels outcrops will be avoided wherever possible. A fauna survey will be conducted to determine the effect of fragmented habitat on game species should the need arise. No animals shall be killed, captured or harmed in any way. No foodstuff will be left lying around as these will attract animals which might result in human-animal conflict. 	G	 Regular monitoring of any unusual signs of animal habitat.
Alien Invasive Plants	 The explorer will ensure that debris is properly disposed of. Vehicle tyre inspections can be carried out although this may not be a practical mitigation measure. Eradicating alien plants by using an Area Management Plan 	Management Contractor	 Regular monitoring of any unusual signs of alien species.
Loss of vegetation	 Environmental considerations will be adhered to at all times before clearing roads, trenching and excavating. Paths and roads will be aligned to avoid root zones. Permeable materials will be used wherever possible. The movement of vehicles in riverbeds, rocky outcrops and vegetation sensitive areas will be avoided. The movement of vehicles will be restricted to certain tracks only. 	Ğ	 Warning signs on site restored vegetation
Solid waste	 Minimize solid waste generated on site. Recycle waste especially waste from trenching. Debris should be collected by waste collection company. Excavation waste should be re-used or backfilled. 	Contractor Management	 Amount of waste on Site Presence of well-Maintained receptacles and central collection point.
Oil leaks and spills	 Machinery should be well maintained to prevent oil leaks. Contractor should have a designated area where maintenance is carried out and that is protected from rainwater. All oil products should be stored in a site store and handled carefully. 	Contractor	No oil spills and leaks on the site.



Archaeological Sites	 Buffer zones will be created around the sites. Adhere to practical guidelines provided by an archaeologist to reduce the archaeological impact of quarrying activities. All archaeological sites to be identified and protected before further quarrying commences. 	Management	Update Register of all archaeologic al sites identified.
First aid	A well-stocked first aid kit shall be maintained by qualified personnel	Management	Contents of the first aid kit.
Fire preparedness	 Firefighting drills carried out regularly. Firefighting emergency response plan. Ensure all firefighting equipment are regularly maintained, serviced and inspected. Fire hazard signs and directions to emergency exit, route to follow and assembly point in case of any fire incidence. 		 Number of fire drills carried. Proof of inspection on firefighting equipment. Fire Signs put up in strategic places. Availability of firefighting equipment.
Environment Health and Safety	 Train workers on personal safety and disaster preparedness. A well-stocked first aid kit shall be maintained by qualified personnel. Report any accidents / incidences and treat and compensate affected workers. Provide sufficient and suitable sanitary conveniences which should be kept clean. Conduct Annual Health and Safety Audits. 	Management	Provide sanitary facilities. Copies of Annual Audit
	Decommissioning Phase		
Environmental/ Social Impact	Proposed mitigation measures	Responsibility	Monitoring plan/indicator
Noise & Air pollution	 Maintain plant equipment. Decommissioning works to be carried out only during daytime. Workers working in noisy section to wear earmuffs. Workers should be provided with dust masks. 	Contractor Management	Amount of noise
Disturbed Physical environment	Undertake a complete environmental restoration programme and introducing appropriate vegetation	Management	
Solid waste	 Solid waste should be collected by a contracted waste collection company Excavation waste should be re-used or backfilled. 	Contractor Management	Amount of waste on Site. Presence of well-maintained receptacles and central collection point.



Occupational Health and Safety	 Provide Personal Protective Equipment. Train workers on personal safety and how to handle equipment and machines. A well-stocked first aid kit shall be maintained by qualified personnel. 	Workers using Protective Equipment. Presence of a First Aid Box.
	 Demarcate area under decommissioning. 	

6.5 Monitoring, Auditing and Reporting

6.5.1 Inspections and Audits

During the life of the project, performance against the EMP commitments will need to be monitored, and corrective action taken where necessary, in order to ensure compliance with the EMP and relevant enviro-legal requirements.

6.5.1.1 Internal Inspections/Audits

The following internal compliance monitoring programme will be implemented:

- 1. Project kick-off and close-out audits will be conducted on all contractors. This applies to all phases, including drilling contract work during operations:
 - Prior to a contractor beginning work, an audit will be conducted by the applicable phase site manager to ensure that the EMP commitments are included in Contractors' standard operating procedures (SOPs) and method statements.
 - Following completion of a Contractors work, a final close-out audit of the contractor's performance against the EMP commitments will be conducted by the applicable phase site manager.
- 2. Monthly internal EMP performance audits will be conducted during the construction/initial and decommissioning phases.
- 3. Ad hoc internal inspections can be implemented by the applicable manager at his/her discretion, or in follow-up to recommendations from previous inspection/audit findings.

6.5.1.2 External Audits

• At the close of each project phase, and annually during the operational phase, an independently conducted audit of EMP performance will be conducted.



- Specialist monitoring/auditing may be required where specialist expertise are required or in order to respond to grievances or authorities directives.
- Officials from the DEA may at any time conduct a compliance and/or performance inspection of quarrying operations. The proponent will be provided with a written report of the findings of the inspection. These audits assist with the continual improvement of the quarrying project and the proponent will use such feedback to help improve its overall operations.

6.5.1.3 Documentation

Records of all inspections/audits and monitoring reports will be kept in line with legislation. Actions will be issued on inspection/audit findings. These will be tracked and closed out.

6.5.1.4 Reporting

Environmental compliance reports will be submitted to the Ministry of Environment and Tourism on a bi-annual basis.

6.5.2 Environmental Management System Framework

In order implement Environmental Management Practices, an Environmental Management System (EMS) will be established and implemented by the proponent and their Contractors. This subchapter establishes the framework for the compilation of a project EMS. The applicable manager will maintain a paper based and/or electronic system of all environmental management documentation. These will be divided into the following main categories:

6.5.2.1 Policy and Performance Standards

A draft environmental policy and associated objective, goals and commitments has been included in the EMP. The mineral explorer may adapt these as necessary.

6.5.2.2 Enviro-Legal Documentation

A copy of the approved environmental assessment and EMP documentation will always be available by the proponent. Copies of the Environment Clearance Certificate and all other associated authorisations and permits will also be kept with



the quarrying team. In addition, a register of the legislation and regulations applicable to the project will be maintained and updated as necessary.

6.5.2.3 Impact Aspect Register

A register of all project aspects that could impact the environment, including an assessment of these impacts and relevant management measures, is to be maintained. This Draft EMP identifies the foreseeable project aspects and related potential impacts of the proposed project, and as such forms the basis for the Aspect-Impact Register; with the Project Activity. It is however noted that during the life of the project additional project aspects and related impacts may arise which would need to be captured in the Aspect-Impact Register. In this regard, the impact identification principles set forth in the scoping report can be used to update the Register. This method can be modified as required by the applicable manager as necessary during the life of the project.

6.5.2.3 Procedures and Method Statements

In order to affect the commitments contained in this EMP, procedures and method statements will be drafted by the relevant responsible quarrying staff and Contractors. These include, but may not be limited:

- Standard operating procedures for environmental action plan and management programme execution.
- Incident and emergency response procedures.
- · Auditing, monitoring and reporting procedures, and
- Method statements for EMP compliance for ad hoc activities not directly addressed in the EMP action plans.

All procedures are to be version controlled and signed off by the applicable manager. In addition, knowledge of procedures by relevant staff responsible for the execution thereof must be demonstrable and training records maintained.

6.5.2.4 Register of Roles and Responsibilities

During project planning and risk assessments, relevant roles and responsibilities will be determined. These must be documented in a register of all environmental



commitment roles and responsibilities. The register is to include relevant contact details and must be updated as required.

6.5.2.5 Site Map

An up to date map of the quarrying site indicating all project activities is to be maintained. In addition to the project layout, the following detail must be depicted:

- Materials handling and storage;
- Waste management areas (collection, storage, transfer, etc.);
- Sensitive areas;
- Incident and emergency equipment locations; and Location of responsible parties.

6.5.2.6 Environmental Management Schedule

A schedule of environmental management actions is to be maintained by the applicable phase site managers and/or relevant Contractors. A master schedule of all such activities is to be kept up to date by the manager. Scheduled environmental actions can include, but are not limited to:

- Environmental risk assessment;
- Environmental management meetings;
- Soil handling, management and rehabilitation;
- Waste collection
- Incident and emergency response equipment evaluations and maintenance
- Environmental training;
- Stakeholder engagement; Environmental inspections; and
- Auditing, monitoring and reporting.



6.5.2.7 Change Management

The EMS must have a procedure in place for change management. In this regard, updating and revision of environmental documentation, of procedures and method statements, actions plants etc. will be conducted as necessary in order to account for the following scenarios:

- Changes to standard operating procedures (SOPs);
- Changes in scope;
- Ad hoc actions;
- Changes in project phase; and
- Changes in responsibilities or roles

All documentation will be version controlled and require sign off by the applicable phase site managers.



7. Public Participation Process

The public participation process commenced with a total of more than 4 newspaper advertisements in two widely distributed newspapers (New Era and the Windhoek Observer) for three consecutive weeks as shown in Appendix B.

Known interested and affected parties were notified directly via mail and fax. Posters were placed at the office of the Erongo Regional Council office and farm fences as well. Registered mail letters were also sent to the farm owners.

Interested and affected parties that were notified directly include surrounding farmers, government departments, regional council, Namwater, Chamber of Mines and individuals that may be affected by the quarrying activities. No negative concerns were received at this stage. Should any interested and affected parties raise any concerns during the on-going project phase, the Ministry of Environment and Tourism will be immediately notified. The registered interested and affected are indicated in the table below:

Name	Organization	Tel	Email	Comments	Response
Oliver	Gecko	061 305444	oliver@gecko.na		
Krappmann	Namibia				
Frank	Access	081 129 4770	flohnert@iway.na	Who will be	We have not yet decided
Löhnert	Property			conducting the	on who will do the Flora
	Innovations			Flora / Biodiversity	specialist study,
	CC			assessments?	
Morne du	Flightec	064 425 350	info@uasflightec.com		
Toit	Solutions				
	(Pty) Ltd				



8. Conclusion

The scoping report is prepared for the Environmental Impact Assessment for quarrying on an area which is Located 35 km northeast of Arandis, on farm Hakskeen within the Erongo Region. Environmental scoping is a critical step in the preparation of an EIA for the proposed quarrying activities.

Basically, dolerite quarrying involves cutting channels on all sides of large, rectangular sections of dolerite called quarry blocks. These blocks usually have an open face, and once the ends and backs of the doorstep-like ledges are channelled loose, horizontal lift holes are drilled along the bottom of the open face.

With the potential employment of 27 people, this means that 27 families will benefit from the project during the quarrying phase. The project has great potential to improve livelihoods and contribute to sustainable development within the surrounding community.

At this stage, electricity requirements for the project are minimal. The bulk of the power supply to the quarrying site will be sourced from the proponent's own generator.

The potential negative impacts associated with the proposed quarrying project are expected to be low to medium in significance. Provided that the relevant mitigation measures are successfully implemented by the proponent, there are no environmental reasons why the proposed project should not be approved. The project will have significant positive economic impacts that would benefit the local, regional and national economy of Namibia.

Several other potential impacts have been addressed in Section 5 of this EIA, and will be managed through the implementation of the EMP.

The EMP contains a set of Environmental Specifications that will form part of all contracts between the proponent and contractors such as lubrication companies. The requirements of the EMP will be enforced on site by the Management team, and periodic environmental audits will be undertaken and submitted to MET.

This EIA has been subject to a few limitations, which are explained as follows: -

• the time available in which to secure an environmental contract with the authorities; and,



The limited botanical work done to date did not raise any concerns but will be monitored on an on-going basis. If any "special" species of plants are found, these will be located by GPS. An addendum will then be added to the EMP to indicate localities that should be avoided, or to implement other appropriate measures about any special plants.



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Appendix A

SCIENTIFIC NAME	COMMON NAME	STATUS	OCCURRENCE
Eidolon helvum	STRAW-COLORED FRUIT BAT	SECURE	SEASONAL
Nycteris thebaica	COMMON SLIT-FACED BAT	SECURE	ABUNDANTLY
Taphozous mauritianus	TOMB BAT	SECURE	SEASONAL
Rhinolophus fumigatus	RÜPPELL'S HORSESHOE BAT	SECURE	OCCASIONALLY
Rhinolophus darlingi	DARLING'S HORSESHOE BAT	SECURE	OCCASIONALLY
Rhinolophus denti	DENT'S HORSESHOE BAT	SECURE	OCCASIONALLY
Hipposideros commersoni	COMMERSON' S LEAF-NOSED BAT	SECURE	ABUNDANTLY
Hipposideros caffer	SUNDEVALL' S LEAF-NOSED BAT	SECURE	ABUNDANTLY
Chaerephon nigeriae	NIGERIAN FREE-TAILED BAT	SECURE	ABUNDANTLY
Mops midas	MIDAS FREE-TAILED BAT	SECURE	ABUNDANTLY
Tadarida aegyptiaca	EGYPTIAN FREE-TAILED BAT	SECURE	ABUNDANTLY
Miniopterus inflatus	GREATER LONG-FINGERED BAT	SECURE	RARELY
Miniopterus schreibersi	SCHREIBERS' LONG- FINGERED BAT	SECURE	ABUNDANTLY
Neoromicia capensis	CAPE SEROTINE BAT	SECURE	ABUNDANTLY
Neoromicia zuluensis	ALOE SEROTINE BAT	SECURE	RARELY
Nycticeinops schlieffenii	SCHLIEFFEN' S BAT	SECURE	RARELY
Scotophilus dingani	AFRICAN YELLOW BAT	SECURE	ABUNDANTLY
Atelerix frontalis	SOUTHERN AFRICAN HEDGEHOG	UNKNOWN, RARE?	RARELY
Crocidura fuscomurina	TINY MUSK SHREW	SECURE	RARELY
Crocidura hirta	LESSER RED MUSK SHREW	SECURE	ABUNDANTLY
Galago moholi	SOUTHERN AFRICAN BUSHBABY	UNKNOWN, RARE?	ABUNDANTLY
Papio ursinus	CHACMA BABOON	SECURE	ABUNDANTLY
Lepus victoriae		SECURE	ABUNDANTLY
Xerus inaurus	CAPE GROUND SQUIRREL	SECURE	ABUNDANTLY
Funisciurus congicus	STRIPED TREE SQUIRREL	SECURE	RARELY
Saccostomus campestris	POUCHED MOUSE	SECURE	ABUNDANTLY
Tatera leucogaster	BUSHVELD GERBIL	SECURE	ABUNDANTLY
Tatera brantsii	HIGHVELD GERBIL	SECURE	ABUNDANTLY
Desmodillus auricularis	SHORT-TAILED GERBIL	SECURE	RARELY
Gerbillurus paeba	PYGMY GERBIL	SECURE	ABUNDANTLY
Steatomys pratensis	FAT MOUSE	SECURE	ABUNDANTLY
Malacothrix typica	LARGE-EARED MOUSE	SECURE	RARELY
Mus indutus	KALAHARI PYGMY MOUSE	SECURE	ABUNDANTLY
Lemniscomys rosalia	SINGLE-STRIPED MOUSE	SECURE	RARELY
Rhabdomys pumilio	STRIPED MOUSE	SECURE	ABUNDANTLY
Thallomys paedulcus	TREE RAT	SECURE	ABUNDANTLY
Thallomys nigricauda	BLACK-TAILED TREE RAT	SECURE	ABUNDANTLY
Aethomys namaquensis	NAMAQUA ROCK RAT	SECURE	RARELY
Aethomys chrysophilus	RED VELD RAT	SECURE	ABUNDANTLY
Zelotomys woosnami	WOOSNAM'S DESERT RAT	RARE	RARELY
Mastomys natalensis	NATAL MULTIMAMMATE MOUSE	SECURE	ABUNDANTLY
Mastomys coucha	MULTIMAMMATE MOUSE	SECURE	ABUNDANTLY
Graphiurus murinus	WOODLAND DORMOUSE	SECURE	ABUNDANTLY
Pedetes capensis	SPRINGHARE	SECURE	ABUNDANTLY
Hystrix africaeaustralis	SOUTHERN AFRICAN PORCUPINE	SECURE	ABUNDANTLY
Cryptomys damarensis	DAMARA MOLE RAT	SECURE	ABUNDANTLY
		ENDANGERED &	
Felis lybica	AFRICAN WILD CAT	SUPERFICIAL	RARELY



Felis nigripes	SMALL - SPOTTED CAT	INDETERMINATE; PERIPHERAL; RARE?	RARELY
Leptailurus serval	SERVAL	AMBIGUOUS & SUPERFICIAL	RARELY
Caracal caracal	CARACAL	SECURE	ABUNDANTLY
Panthera pardus	LEOPARD	SECURE? & SUPERFICIAL	RARELY
Panthera leo	LION	AMBIGUOUS(END ANGERED) &	
Acinonyx jubatus	СНЕЕТАН	SUPERFICIAL INADEQUATELY KNOWN (ENDANGERED?) & SUPERFICIAL	ABUNDANTLY
Civettictis civetta	CIVET	AMBIGUOUS, RARE? & SUPERFICIAL	RARELY
Genetta maculata	SMALL-SPOTTED GENET	SECURE - SP (taxonomy)	ABUNDANTLY
Galarella sanguineus	SLENDER MONGOOSE	SECURE	ABUNDANTLY
Helogale parvula	DWARF MONGOOSE	SECURE	ABUNDANTLY
Mungos mungo	BANDED MONGOOSE	SECURE	ABUNDANTLY
Cynictis penicillata	YELLOW MONGOOSE	SECURE	ABUNDANTLY
Crocuta crocuta	SPOTTED HYAENA	SECURE? &	EXTINCT
Parahyaena brunnea	BROWN HYAENA	SUPERFICIAL INADEQUATELY KNOWN (ENDANGERED?) & SUPERFICIAL	OCCASIONALLY
Proteles cristatus	AARDWOLF	INADEQUATELY KNOWN (ENDANGERED?) & SUPERFICIAL	ABUNDANTLY
Canis mesomelas	BLACK-BACKED JACKAL	SECURE	ABUNDANTLY
Lycaon pictus	WILD DOG	ENDANGERED & SUPERFICIAL	EXTINCT
Otocyon megalotis	BAT-EARED FOX	ENDANGERED? & SUPERFICIAL- SP (taxonomy)	RARELY
Vulpes chama	CAPE FOX	ENDANGERED?	RARELY
Ictonyx striatus	STRIPED POLECAT	SECURE	ABUNDANTLY
Mellivora capensis	HONEY BADGER	SECURE	RARELY
Poecilogale albinucha	AFRICAN STRIPED WEASEL	AMBIGUOUS(RAR	RARELY
Manis temminckii	SAVANNA PANGOLIN	ENDANGERED & SUPERFICIAL	RARELY
Phacochoerus africanus	SOUTHERN WARTHOG	SECURE	ABUNDANTLY
Giraffa camelopardalis	GIRAFFE	ENDANGERED? & SUPERFICIAL	EXTINCT
Alcelaphus buselaphus	RED HARTEBEEST	SECURE ?	ABUNDANTLY
Antidorcas marsupialis	SPRINGBOK	SECURE	
Connochaetes taurinus	BLUE WILDEBEEST	INADEQUATELY KNOWN (ENDANGERED?) & SUPERFICIAL	ABUNDANTLY
Hippotragus equinus	ROAN	ENDANGERED & SUPERFICIAL	ABUNDANTLY
Madoqua damarensis	DAMARA DIK-DIK	INADEQUATELY KNOWN	RARELY
Oryx gazella	GEMSBOK	SECURE	ABUNDANTLY
Raphicerus campestris	STEENBOK	SECURE	ABUNDANTLY
Sylvicapra grimmia	COMMON DUIKER	SECURE	ABUNDANTLY
Syncerus caffer	BUFFALO	INSUFFFICIENTLY KNOWN & SUPERFICIAL	ABUNDANTLY
Tragelaphus oryx	ELAND	INADEQUATELY KNOWN & SUPERFICIAL	ABUNDANTLY
Tragelaphus strepsiceros	GREATER KUDU	SECURE	ABUNDANTLY
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Equus burchelli	PLAINS ZEBRA	INADEQUATELY KNOWN & SUPERFICIAL	EXTINCT
Ceratotherium simum	WHITE RHINOCEROS	EXTINCT & REINTRODUCED (non topotypical stock)	EXTINCT
Diceros bicornis	BLACK RHINOCEROS	ENDANGERED & SUPERFICIAL	EXTINCT
Loxodonta africana	AFRICAN ELEPHANT	ENDANGERED & SUPERFICIAL	EXTINCT
Orycteropus afer	AARDVARK	SECURE ?	ABUNDANTLY
Elephantulus intufi	BUSHVELD SENGI	ENDEMIC AND SECURE	ABUNDANTLY

Reptile species which are likely to occur within the quarrying area:

SCIENTIFIC NAME	COMMON NAME	STATUS	OCCURRENCE
Pelomedusa subrufa	HELMETED TERRAPIN	SECURE	ABUNDANTLY
Geochelone pardalis	LEOPARD TORTOISE	ENDANGERED & SUPERFICIAL	ABUNDANTLY
Psammobates oculiferus	KALAHARI TORTOISE	ENDANGERED	ABUNDANTLY
Lygodactylus bradfieldi	NAMIBIAN DWARF GECKO	ENDEMIC & SECURE	ABUNDANTLY
Colopus wahlbergii	KALAHARI GROUND GECKO	SECURE	RARELY
Pachydactylus turneri	TROPICAL BUTTON-SCALE GECKO	SECURE	ABUNDANTLY
Pachydactylus capensis	CAPE GECKO	SECURE	UNCOMMONLY
Pachydactylus punctatus	SPECKLED GECKO	SECURE	ABUNDANTLY
Ptenopus garrulus	COMMON BARKING GECKO	SECURE	ABUNDANTLY
Agama aculeata	COMMON GROUND AGAMA	SECURE	ABUNDANTLY
Chamaeleo dilepis	FLAP-NECK CHAMELEON	SECURE	ABUNDANTLY
Acontias occidentalis	WESTERN LEGLESS SKINK	SECURE	ABUNDANTLY
Lygosoma sundevalli	COMMON WRITHING SKINK	SECURE	ABUNDANTLY
Trachylepis capensis	CAPE SKINK	SECURE	UNCOMMONLY
Trachylepis punctulata	EASTERN VARIEGATED SKINK	SECURE	ABUNDANTLY
Trachylepis wahlbergii	WAHLBERG'S STRIPED SKINK	SECURE	ABUNDANTLY
Trachylepis varia	COMMON VARIABLE SKINK	SECURE	ABUNDANTLY
Heliobolis lugubris	BUSHVELD LIZARD	SECURE	ABUNDANTLY
Ichnotropis capensis	CAPE ROUGH-SCALED LIZARD	SECURE	ABUNDANTLY
Ichnotropis squamulosa	COMMON ROUGH-SCALED LIZARD	SECURE	ABUNDANTLY
Nucras holubi	HOLUB'S SANDVELD LIZARD	SECURE	UNCOMMONLY
Nucras intertexta	SPOTTED SANDVELD LIZARD	SECURE	UNCOMMONLY
Pedioplanis lineoocellata	OCELLATED SAND LIZARD	SECURE	ABUNDANTLY
Pedioplanis namaquensis	NAMAQUA SAND LIZARD	SECURE	ABUNDANTLY
Gerrhosaurus auritus	KALAHARI PLATED LIZARD	SECURE	UNCOMMONLY
Gerrhosaurus nigrolineatus	BLACK-LINED PLATED LIZARD	SECURE	ABUNDANTLY
Varanus albigularis	VELD LEGUAAN (MONITOR)	ENDANGERED & SUPERFICIAL	ABUNDANTLY
Dalophia pistillum	BLUNT-TAILED WORM LIZARD	SECURE ?	MARGINALLY
Monopeltis anchietae	ANGOLAN SPADE-SNOUTED WORM LIZARD	SECURE	ABUNDANTLY
Monopeltis infuscata	DUSKY SPADE-SNOUTED WORM LIZARD	SECURE	ABUNDANTLY
Monopeltis leonhardi	KALAHARI SPADE-SNOUTED WORM LIZARD	SECURE	MARGINALLY
Monopeltis mauricei	SLENDER SPADE-SNOUTED WORM LIZARD	SECURE	MARGINALLY
Zygaspis quadrifrons	KALAHARI ROUND-HEADED WORM LIZARD	SECURE	ABUNDANTLY
Leptotyphlops labialis	DAMARA WORM SNAKE	ENDEMIC & SECURE	MARGINALLY
Leptotyphlops scutifrons	PETERS= WORM SNAKE	SECURE	ABUNDANTLY
Rhinotyphlops schlegelii	SCHLEGEL'S BLIND SNAKE	SECURE	ABUNDANTLY
Rhinotyphlops boylei	KALAHARI BLIND SNAKE	SECURE	RARELY



Python natalensis	SOUTHERN AFRICAN PYTHON	ENDANGERED & SUPERFICIAL	ABUNDANTLY
Amblyodipsas polylepis	COMMON PURPLE-GLOSSED SNAKE	INADEQUETLY KNOWN; RARE?	RARELY
Amblyodipsas ventrimaculata	KALAHARI PURPLE-GLOSSED SNAKE	SECURE	MARGINALLY
Aparallactus capensis	CAPE CENTIPEDE EATER	INADEQUETLY KNOWN ; RARE?	RARELY
Atractaspis bibronii	SOUTHERN STILLETO SNAKE	SECURE	ABUNDANTLY
Xenocalamus bicolor	VARIABLE QUILL-SNOUTED SNAKE	SECURE	ABUNDANTLY
Xenocalamus mechowii	ELONGATED QUILL-SNOUTED SNAKE	SECURE	MARGINALLY
Crotaphopeltis hotamboeia	WHITE-LIPPED SNAKE	INADEQUETLY KNOWN	RARELY
Dasypeltis scabra	RHOMBIC EGG EATER	SECURE	ABUNDANTLY
Dispholidus typus	BOOMSLANG	SECURE	ABUNDANTLY
Lamprophis fuliginosus	BROWN HOUSE SNAKE	SECURE	ABUNDANTLY
Lycophidion capense	CAPE WOLF SNAKE	SECURE	ABUNDANTLY
Mehelya capensis	CAPE FILE SNAKE	SECURE	UNCOMMONLY
Mehelya nyassae	BLACK FILE SNAKE	INADEQUETLY KNOWN	RARELY
Mehelya vernayi	ANGOLAN FILE SNAKE	INADEQUETLY KNOWN	UNCOMMONLY
Philothamnus angolensis	ANGOLAN GREEN SNAKE	SECURE	UNCOMMONLY
Philothamnus semivariegatus	SPOTTED BUSH SNAKE	SECURE	ABUNDANTLY
Prosymna angolensis	ANGOLA SHOVEL-SNOUT	SECURE	MARGINALLY
Prosymna bivittata	TWIN-STRIPED SHOVELSNOUT	SECURE	MARGINALLY
Psammophis angolensis	DWARF WHIP SNAKE	SECURE	ABUNDANTLY
Psammophis jallae	JALLA'S SAND SNAKE	INADEQUETLY KNOWN	RARELY
Psammophis leopardinus	LEOPARD WHIP SNAKE	ENDEMIC & SECURE	UNCOMMONLY
Psammophis mossambicus	OLIVE WHIP SNAKE	SECURE	ABUNDANTLY
Psammophis notostictus	KAROO WHIP SNAKE	SECURE	MARGINALLY
Psammophis subtaeniatus	WESTERN STRIPED-BELLIED SAND SNAKE	SECURE	ABUNDANTLY
Psammophis trigrammus	WESTERN WHIP SNAKE	ENDEMIC & SECURE	ABUNDANTLY
Psammophis trinasalis	KALAHARI SAND SNAKE	SECURE	UNCOMMONLY
Psammophylax tritaeniatus	STRIPED SKAAPSTEKER	SECURE	ABUNDANTLY
Pseudaspis cana	MOLE SNAKE	SECURE	ABUNDANTLY
Telescopus semiannulatus	SOUTHERN TIGER SNAKE	SECURE	ABUNDANTLY
Thelotornis capensis	VINE SNAKE	SECURE	UNCOMMONLY
Aspidelaps lubricus	CORAL SNAKE	SECURE	UNCOMMONLY
Aspidelaps scutatus	SHIELD-NOSE SNAKE	SECURE	ABUNDANTLY
Dendroaspis polylepis	BLACK MAMBA	SECURE	ABUNDANTLY
Elapsoidea semiannulata	ANGOLA GARTER SNAKE	SECURE	UNCOMMONLY
Elapsoidea sundevallii	KALAHARI GARTER SNAKE	SECURE	UNCOMMONLY
Naja anchietae	ANGOLAN COBRA	SECURE	ABUNDANTLY
Naja mossambica	MOZAMBIQUE SPITTING COBRA	SECURE	RARELY
Naja nigricincta	ZEBRA SNAKE	ENDEMIC & SECURE	ABUNDANTLY
Bitis caudalis	HORNED ADDER	SECURE	UNCOMMONLY
Bitis arietans	PUFF ADDER	SECURE	ABUNDANTLY

Bird species which are likely to occur within the project area:

SCIENTIFIC NAME	COMMON NAME	STATUS IN NAMIBIA
Accipiter badius	Little Banded Goshawk	Secure
Accipiter ovampensis	Ovambo Sparrowhawk	Secure
Actophilornis africanus	African Jacana	Secure
Agapornis roseicollis	Rosyfaced Lovebird	Secure
Anastomus lamelligerus	Openbilled Stork	Secure
Anthus cinnamomeus	Richard's Pipit	Secure
Apus affinis	Little Swift	Secure
Apus apus	European Swift	Secure



Apus caffer	Whiterumped Swift	Secure
Apus melba	Alpine Swift	Secure
Aquila nipalensis	Steppe Eagle	Secure -
Aquila rapax	Tawny Eagle	Endangered
Aquila wahlbergi	Wahlberg's Eagle	Secure
Ardeotis kori	Kori Bustard	Secure
Batis molitor	Chinspot Batis	Secure
Batis pririt	Pririt Batis	Secure
Bubalornis niger	Redbilled Buffalo Weaver	Secure
Burhinus capensis	Spotted Dikkop	Secure
Buteo buteo	Steppe Buzzard	Secure -
Calamonastes fasciolatus	Barred Warbler	Secure
Calendulauda sabota	Sabota Lark	Secure
Camaroptera brevicaudata	Greybacked Camaroptera	Secure
Caprimulgus pectoralis	Fierynecked Nightjar	Secure
Caprimulgus rufigena	Rufouscheeked Nightjar	Secure
Ceryle rudis	Pied Kingfisher	Secure
Chrysococcyx caprius	Diederik Cuckoo	Secure
Chrysococcyx klaas	Klaas's Cuckoo	Secure
Ciconia abdimii	Abdim's Stork	Secure
Cinnyris mariquensis	Marico Sunbird	Secure
Circaetus pectoralis	Blackbreasted Snake Eagle	Secure
Cisticola chiniana	Rattling Cisticola	Secure
Cisticola rufilatus	Tinkling Cisticola	Secure
Clamator glandarius	Great Spotted Cuckoo	Secure
Coracias caudata	Lilacbreasted Roller	Secure
Coracias garrulus	European Roller	Secure -
Coracias naevia	Purple Roller	Secure
Corvinella melanoleuca	Longtailed Shrike	Secure
Corvus capensis	Black Crow	Secure
Corythaixoides concolor	Grey Lourie	Secure
Creatophora cinerea	Wattled Starling	Secure
Crithagra flaviventris	Yellow Canary	Secure
Cuculus clamosus	Black Cuckoo	Secure
Cuculus gularis	African Cuckoo	Secure Secure
Cursorius temminckii	Temminck's Courser Palm Swift	
Cypsiurus parvus Delichon urbicum	House Martin	Secure -
Dicrurus adsimilis	Forktailed Drongo	Secure -
Elanus caeruleus	Blackshouldered Kite	Secure
Emberiza flaviventris	Goldenbreasted Bunting	Secure
Emberiza tahapisis	Rock Bunting	Secure
Eremomela icteropygialis	Yellowbellied Eremomela	Secure
Eremopterix verticalis	Greybacked Finchlark	Secure
Erythropygia leucophrys	Whitebrowed Robin	Secure
Erythropygia paena	Kalahari Robin	Secure
Estrilda erythronotos	Blackcheeked Waxbill	Secure
Eupodotis afraoides	Whitequilled Korhaan	Secure
Eupodotis ruficrista	Redcrested Korhaan	Secure
Eurocephalus anguitimens	Whitecrowned Shrike	Secure
Falco biarmicus	Lanner Falcon	Secure
Falco chicquera	Rednecked Falcon	Secure
Falco subbuteo	Hobby Falcon	Secure -
Falco tinnunculus	Rock Kestrel	Secure
Falco vespertinus	Western Redfooted Kestrel	Secure
Francolinus adspersus	Redbilled Francolin	Secure
Francolinus sephaena	Crested Francolin	Secure
Francolinus swainsonii	Swainson's Francolin	Secure
Gallinago nigripennis	Ethiopian Snipe	Secure
Gyps africanus	Whitebacked Vulture	Near Threatened
Hieraaetus pennatus	Booted Eagle	Endangered
Hirundo abyssinica	Lesser Striped Swallow	Secure
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Lliguado quaullata	Creater Ctrined Cwalley	Cooura
Hirundo cucullata	Greater Striped Swallow Rock Martin	Secure Secure
Hirundo fuligula Hirundo rustica	European Swallow	Secure -
Hirundo rustica Hirundo semirufa	Redbreasted Swallow	Secure
Lamprotornis australis	Burchell's Starling	Secure
Lamprotornis nitens	Glossy Starling	Secure
Laniarius atrococcineus	Crimsonbreasted Shrike	Secure
Lanius collaris	Fiscal Shrike	Secure
Lanius collurio	Redbacked Shrike	Secure -
Lanius minor	Lesser Grey Shrike	Secure -
Melaenornis infuscatus	Chat Flycatcher	Secure
Melaenornis mariquensis	Marico Flycatcher	Secure
Melierax canorus	Pale Chanting Goshawk	Secure
Merops apiaster	European Bee-Eater	Secure -
Merops hirundineus	Swallowtailed Bee-Eater	Secure
Micronisus gabar	Gabar Goshawk	Secure
Milvus migrans	Black Kite	Secure -
Milvus parasitus	Yellowbilled Kite	Secure
Mirafra passerina	Monotonous Lark	Secure
Monticola brevipes	Shorttoed Rock Thrush	Secure
Muscicapa striata		Secure -
Nectarinia fusca	Spotted Flycatcher Dusky Sunbird	Secure - Secure
	Whitebellied Sunbird	Secure
Nectarinia talatala Nilaus afer	Brubru	Secure
		Secure
Numida meleagris	Helmeted Guineafowl	Secure
Oena capensis	Namaqua Dove	
Onychognathus nabouroup	Palewinged Starling	Secure
Parisoma subcaeruleum	Titbabbler	Secure
Parus cinerascens	Ashy Tit	Secure
Passer diffusus	Southern Grey-headed Sparrow	Secure
Passer motitensis	Great Sparrow	Secure
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Plocepasser mahali	Whitebrowed Sparrowweaver	Secure
Ploceus velatus	Masked Weaver	Secure
Ploceus velatus Polemaetus bellicosus	Masked Weaver Martial Eagle	Secure Endangered
Polemaetus bellicosus Polihierax semitorquatus	Masked Weaver Martial Eagle Pygmy Falcon	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia	Secure Endangered Secure Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush	Secure Endangered Secure Secure Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse	Secure Endangered Secure Secure Secure Secure Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse	Secure Endangered Secure Secure Secure Secure Secure Secure Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul	Secure Endangered Secure Secure Secure Secure Secure Secure Secure Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons Streptopelia capicola	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch Cape Turtle Dove	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons Streptopelia capicola Streptopelia senegalensis	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch Cape Turtle Dove Laughing Dove	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons Streptopelia capicola Streptopelia senegalensis Struthio camelus	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch Cape Turtle Dove Laughing Dove Ostrich	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons Streptopelia capicola Streptopelia senegalensis Struthio camelus Sylvietta rufescens	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch Cape Turtle Dove Laughing Dove Ostrich Longbilled Crombec	Secure Endangered Secure
Ploceus velatus Polemaetus bellicosus Polihierax semitorquatus Prinia flavicans Psophocichla litsitsirupa Pterocles bicinctus Pterocles namaqua Pycnonotus nigricans Pytilia melba Quelea quelea Rhinopomastus cyanomelas Rhinoptilus chalcopterus Scopus umbretta Serinus atrogularis Smutsornis africanus Sporopipes squamifrons Streptopelia capicola Streptopelia senegalensis Struthio camelus Sylvietta rufescens Tchagra australis	Masked Weaver Martial Eagle Pygmy Falcon Blackchested Prinia Groundscraper Thrush Doublebanded Sandgrouse Namaqua Sandgrouse Redeyed Bulbul Melba Finch Redbilled Quelea Scimitarbilled Woodhoopoe Bronzewinged Courser Hamerkop Blackthroated Canary Doublebanded Courser Scalyfeathered Finch Cape Turtle Dove Laughing Dove Ostrich Longbilled Crombec Threestreaked Tchagra	Secure Endangered Secure
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Upupa epops	Hoopoe	Secure
Uraeginthus angolensis	Blue Waxbill	Secure
Uraeginthus granatinus	Violeteared Waxbill	Secure
Urocolius indicus	Redfaced Mousebird	Secure
Vanellus armatus	Blacksmith Plover	Secure
Vanellus coronatus	Crowned Plover	Secure
Vanellus senegallus	Wattled Plover	Secure
Vidua regia	Shafttailed Whydah	Secure
Zosterops senegalensis	Yellow White-Eye	Secure

Appendix B



Mr. Ndaluka Amutenya

Proposed Position: Environmental Coordinator

2. Name of Firm: Impala Environmental Consulting

Name of Staff: Ndaluka Amutenya

4. Nationality: Namibian

5. Education: - Bachelor of Technology, Chemical Engineering,

University of South Africa, 2020

- Bachelor of Science, Chemistry Major and Geology Minor,

University of Namibia, 2012

 Namibia Senior Secondary Certificate (NSSC), Otjikoto Senior Secondary School, 2008

- 6. Membership of Professional Associations:
 - None
- Other Training: None.

8. Countries of Work Experience: Namibia

9. Speaking Reading Writing Languages: English Excellent Excellent Excellent Afrikaans Excellent Good Good Excellent Oshiwambo Excellent Excellent

10 Employment Record:

From: 2019 to Present

Employer: Impala Environmental Consulting
Positions held: Environmental Assessment Practioner

From: 2015 to 2018

Employer: Tschudi Copper Mine

Positions held: Chemist

From: 2013 to 2015

Employer: Heat Exchange Products (Water Treatment)

Positions held: Water Treatment Specialist

11. Detailed	Tasks Assigned	12. Past Projects Undertaken	
Con	ect Local sultant nt Liaison	Name of assignment or project: Catchment Management Plan for the swakoppoort dam namibia Year: 2020 Location: Okahandja, Namibia. Client: Namwater	

 Water Sampling and Reporting Project Management Project Supervision 	Main project features: Catchment Management Plan for the Swakoppoort Dam. Positions held: Local Consultant Activities performed: Water Sampling, logistics, site inspections and report writing.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for the Development of a Tantalite Mine, Southern Namibia. Year: 2020 Location: Warmbad, Karas Region Client: Orange River Pegmatite (Pty) Ltd Main project features: Environmental Management Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Participation, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Proposed Development of A Medical Tourism University Hospital In Henties Bay Year: 2020 Location: Henties Bay, Erongo Region Client: Franco Civil Engineeering Cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for the Development of a Marble Mine. Year: 2020 Location: 10 km north of Karibib Client: Sunsand Investments (Pty) Ltd Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Dimension Stone Quarrying Activities on Mining Claims 71816, 71817, 71818, 71819, 71820, 71821, 71822, 71823, 71824, And 71825. Year: 2020 Location: 40 km northwest of Arandis Client: Rockstar Mining cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.

 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Sand Mining Activities on Mining Claim 72027 Year: 2020 Location: 30 km North of Ongwediva Client: Comitx Investments Group CC Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Mineral Exploration Activities on EPL 6408 Year: 2020 Location: 5 km south of Karibib Client: Antler Gold Inc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Dimension Stone Quarrying Activities on Mining Claims 71896-71900 Year: 2020 Location: 15 km north of Karibib Client: Triple Tas Trading cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Mineral Exploration on EPL 7930 Year: 2020 Location: 40 km northwest of Karibib Client: Antler Gold Inc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
Project LeaderClient LiaisonPublic Participation	Name of assignment or project: Environmental Impact Assessment for Dimension Stone Quarrying Activities on

 Report Writing Project Management Project Supervision 	Mining Claims 72100, 72101, 72102, 72103, 72104, 72105 And 72106 Year: 2020 Location: 40 km northeast of Arandis Client: Tala Mining cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Mineral Exploration on EPL 5702 Year: 2020 Location: 30 km South of Kamanjab Client: Emor Mining (Pty) Ltd Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for the Development of a Lodge in the Daures Conservancy Area. Year: 2019 Location: 50-80 km northwest of UIS Client: !U-#Gab Ams Investment cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Eia For the Proposed Establishment of a Service Station on Erf 4121, Khorixas Year: 2019 Location: Khorixas Client: Noabeb's Trading Enterprises cc Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment on dimension stone and industrial mineral quarrying activities on mining claims 71227 and 71228. Year: 2019 Location: 10 km south of Omaruru Client: Hiku Poultry and Trading CC Main project features: Environmental Impact Assessment.

	Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Mineral Exploration Activities on Epl 5818, Central Namibia Year: 2019 Location: 40 km east of Khorixas Client: Gravity Empire Investments (Pty) Ltd Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.
 Project Leader Client Liaison Public Participation Report Writing Project Management Project Supervision 	Name of assignment or project: Environmental Impact Assessment for Mineral Exploration on Epl 6374 Year: 2019 Location: 50 km South of Opuwo Client: Nami Geological Techniques (Pty) Main project features: Environmental Impact Assessment. Positions held: Lead Consultant Activities performed: Project Management, Report Writing, Public Meetings, Site Inspections, Stakeholder Engagement, Specialist Study Inputs and Map production.

4 WEDNESDAY 2 MARCH 2022 www.observer.com.na

New COVID-19 data: South Africa has arrived at the recovery stage of the pandemic

recently published South African study set out to sero-positivity determine against SARS-CoV-2 before the fourth wave of COVID-19, in which the omicron variant was dominant. Sero-positivity measures presence of antibodies against the virus; it indicates past infection. The study focused on Gauteng, the country's economic hub. Ozayr Patel asked Shabir Madhi to unpack the results and explain why the findings suggest that South Africa has reached a turning point in the pandemic.

What we found

The results show the levels of seropositivity - in other words what percentage of people have antibodies to the virus - among just over 7,000 people from whom samples were taken. From these results the following rates were calculated:

- In those under 12 years of age none of who received a CO-VID-19 vaccine, 56% showed presence of antibodies to SARS-
- In those over 50 it was 80%, including 70% if unvaccinated and 93% if vaccinated

In high density inner city areas the sero-positivity prevalence was 85%

Using the seroprevalence data, together with COVID-19 attributable deaths using excess mortality data from the South African Medical Research Council, the study was also able to impute the risk of dving following infection by SARS-CoV-2 prior to the Omicron wave in South Africa. This infection fatality risk for COVID-19 was 0.57% pre-omicron in Gauteng. This is substantially higher than 0.019% imputed for seasonal flu, which infected one-third of the population each year pre-COVID, calculated using similar methods.

Vaccination coverage: We discovered high levels of hybrid immunity: that is immunity gained from a combination of previous infections plus vaccinations.

At the time of the onset of the omicron wave, 36% of people in Gauteng had at least one dose of the vaccine. This was higher - 61% - in those over the age of 50. (This cohort was responsible for more than 80% of deaths pre-omicron.)

Based on sero-survey, 70% of vaccinated people were also infected preomicron. Hence they would have had substantial hybrid immunity, which has



been shown to induce a broader repertoire of immune responses against the virus. Such hybrid immunity in South Africa has, however, come at the cost of loss of 300,000 lives based on South African Medical Research Council excess mortality estimates. These are three-fold higher than the official recorded number of deaths.

Based on another study, the hybrid

immunity is expected to confer greater protection against infection and mild COVID-19 compared with immunity only from vaccine or natural infection.

Hospitalisations and death rates: Our study also analysed the temporal trends in COVID-19 cases, hospitalisations and deaths (recorded and COVID attributable from excess mortality) from the start of the pandemic up until the tail end of the Omicron wave. The study found a massive decoupling between the number of people becoming infected with the virus relative to COVID hospitalisation and death rates during the course of omicron compared with earlier waves. This was true across all adult age groups.

The omicron wave was associated with 10% of all hospitalisations since the start of the pandemic, whereas 44% of hospitalisations had transpired during the course of the Delta variant wave. More impressively, only 3% of COVID deaths since the start of the pandemic occurred during the omicron wave, compared with 50% during the delta dominant wave.

The findings of decoupling of infections and severe or fatal COVID-19 were similar in the 50-59 year age group. In this group the omicron wave contributed to 15% of recorded COVID hospitalisations and 2% of deaths since the start of pandemic. This compares with 46% of hospitalisations and 53% of deaths occurring in the third wave, dominated by delta. The data for people over 60 years old was similar.

The survey also found that 58% of children under 12 years of age (all unvaccinated) were sero-positive. They were not more heavily affected during the Omicron wave.

The delta dominant wave which was the most severe in South Africa, coincided with South Africa's belated COVID vaccine rollout. The high death rate during that wave is an indictment of the missed opportunities that could have prevented a large percentage of the deaths which transpired. In particular, the delayed procurement and roll out of COVID-19 vaccines in South Africa, as well as the ill-informed decision to against the WHO recommendation on the continued use of the AstraZeneca vaccine which was available to in South Africa when the Beta variant was circulating in South Africa.

In summary, the omicron wave contributed to less than 5% of all COVID-19 deaths in Gauteng. Since the start of the pandemic, the delta variant wave contributed to 50% of all of the deaths. The balance is split roughly equally between the first and second waves caused by ancestry and the beta variant.

Our findings also show that natural infection has been high and is playing a major role in how the pandemic has unfolded especially in countries with low to moderate COVID-19 rollout, These high levels of infections have, however, resulted in a massive loss of lives; which to date is likely under-estimated in low and middle income countries as shown from the South African data. -sabc

MSME INFORMATION SESSIONS



The NIPDB invites all Micro, Small and Medium Enterprises (MSMEs) in the //Kharas and Hardap regions to the Know2Grow (K2G) information sessions

K2G is a regional knowledge dissemination and capacity building initiative for MSMEs. The initiative facilitates awareness of the services, facilities and growth opportunities available for MSMEs, with a focus on financing and access to markets. It further provides an opportunity to engage and network, as the NIPDB will be joined by various private and public sector business support organisations (BSOs) including commercial banks, various government ministries and/or agencies, and more,

Town	Venue	Date
Karasburg	Karasburg Business Park	28 February 2022
Keetmanshoop	Moth Hall (Keetmanshoop Municipality)	1 March 2022
Bethanie	Bethanie Community Hall	2 March 2022
Lüderitz	Old Power Station	3 March 2022
Mariental	Persianer Hall	8 March 2022
Maltahohe	PA Smith Primary School Hall	9 March 2022

Time for all sessions: 10h00 to 13h00

Who may attend: Registered MSMEs operating in, but not limited to, the following sectors: Logistics, Agriculture, Horticulture and Aquaculture.

For enquiries, please email K2G@nipdb.com or call 083 333 8672 / 083 333 8614.



O/O Garten Street & Dr. A. B. May Street



info@nipdb.com





+264 (0) 83 333 8600

The Namibia Investment Promotion and Development Board ("NIPDB") is a non-profit association incorporated under section 21 of the Companies Act, Act No. 28 of 2004 ("the Companies Act"). The Board was established as an autonomous entity in the office of the Presidency and is declared a Public Enterprise in accordance with section 2 of the Public Enterprise Governance Act, Act No 1 of 2019. The NIPDB is mandated to promote and facilitate investment by foreign and Namibian investors, and coordinate MSMEs activities across all levers of the economy, with the aim of contributing to economic development and job creation.

CALL FOR PUBLIC PARTICIPATION

ENVIRONMENTAL IMPACT ASSESSMENT FOR MINING **ACTIVITIES ON MINING CLAIMS 72305-72310**

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner in terms of the Environmental Management Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012)

Project: The license area is located about 21 km northeast of Arandis, along the B2 road. The proponent intends to mine dimension stone blocks from the mining claims.

Proponent: Mr. Josia Shilunga

All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 15/03/2022. Contact details for registration and further information:

Impala Environmental Consulting Email: eia@impalac.com. Tel: 0856630598



CLASSIFIEDS

Email: Classifieds@nepc.com.na Tel: (061) 2080844 Fax: (061) 220584

Services

Employment

Employment

Offered

Notices

NOTICE

Please take note that URBAN DYNAMICS AFRICA TOWN AND REGIONAL PLANNERS, on behalf of our clients, intends to apply to the Windhoek City Council for the following:

• C O N S E N T T O O PERATE A HAIR STUDIO IN UNIT 2 OF THE HHPP SECTIONAL TITLE SCHEME ON ERF RE/2802 KLEIN WINDHOEK; AND

 CONSENT TO OPERATE A MEDICAL AND DENTAL CONSULTING ROOM IN A PORTION OF UNIT 5 OF THE HHPP SECTIONAL TITLE SCHEME ON ERF RE/2802 KLEIN WINDHOEK.

Erf re/2802, is situated in Klein Windhoek on the corner of Nelson Mandela and Hugo Hahn Streets and measures 2824m2 in extent. The erf is zoned "Office" with a bulk of 0.4. The particular portion of Units 2 and 5 are located along and obtain access from Hugo Hahn Street.

The proposed hair studio is located on the first floor of the westernmost building in the complex and has a floor area of 82m².

The medical and Dental Consulting rooms is located on the ground floor of the main building and has a floor area of 114m2. Parking for both these uses comply with the municipal parking requirements.

Any person objecting to the proposed use of the land as set out above may lodge such objection together with the grounds thereof, with the City Council and with the applicant in writing within 14 days after 11 March 2022. The last day for objections will therefore be 25 March

Urban Dynamics Africa Town and Regional **Planners** P O Box 20837 Windhoek Tel: 061 240300 Fax: 061 2403



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Notices

PUBLIC NOTICE

Please take note that

Kamau Town Planning and

Development Specialist has

been appointed by the owner

of Portion 29/H/48 Brakwater,

Windhoek to apply to the City

of Windhoek and the Urban

and Regional Planning Board

REZONING OF PORTION

29/H/48 BRAKWATER

WINDHOEK, FROM RESIDENTIAL WITH A

DENSITY OF 1:50 000 TO

INDUSTRIAL WITH A BULK

CONSENT TO USE

PORTION 29/H/48

BRAKWATER WINDHOEK

FOR RESIDENTIAL.

WELDING WORKSHOP AND

A BUILDING MATERIAL

STORAGE FACILITY

PURPOSES CONSENT

TO COMMENCE WITH

CONSTRUCTION WHILE

REZONING IS IN PROCESS

Portion 29/H/48 Brakwater

is located in the Brakwater

settlement that is located

20km North of the Windhoek

Central Business District.

The Brakwater settlement

comprises mainly of residential,

business and industrial land

uses. The respective portion

is located to the east of the B1

The portion is bordered by the

Umti lodge to the west, Indraai

Abattoir and industrial works

such as Spare Centre Namibia.

Bart's Motor Workshop etc.

the south, more industrial

properties to the east and the

Mix informal settlement further

The portion lies on a flat surface

and measures 52 564sqm in

extent, with a current zoning

of 'Residential' and a density

of 1:50 000m2. There are three

existing houses on the Erf

measuring 385sqm, 147sqm,

Please further take note that -

(a) For more inquiries regarding

the rezoning application, visit

the Department of Town

Planning,5th floor, office number

(b) any person having

with the applicant within 14

days of the last publication of

this notice, i.e. no later than

PUBLIC COMMENTS

DEADLINE:

23 March 2022

23 March 2022.

522 at the City of Windhoek;

north of the portion.

88sqm respectively.

Notices

NOTICE

Please take note that Kamau Town Planning and Development Specialist has been appointed by the owner of Erf 3170 Salk Street, Windhoek to apply to the City of Windhoek for the

- REZONING OF ERF 3170 (A PORTION OF CONSOLIDATED ERF 3150) WINDHOEK FROM "RESIDÉNTIAL" WITH A DENSITY OF 1:900M2 TO OFFICE WITH A BULK OF 0.4.
- · SUBSEQUENTLY CONSENT BE GRANTED TO OPERATE A BOUTIQUE HOTEL ON THE RESPECTIVE ERF (ERF 3170 (A PORTION OF CONSOLIDATED ERF 3150)
- CONSENT TO USE THE RESPECTIVE ERF AS "OFFICE" AND BOUTIQUE HOTEL WHILE THE REZONING IS IN PROGRESS

WINDHOEK

as according to the Windhoek, Town Planning Scheme.

Erf 3170 (a portion of consolidated Erf 3150) Windhoek, is located within the Windhoek West suburb in Windhoek, Salk Street. The respective Erf measures 1006m2 in extent. The owner wishes to operate a boutique hotel and change the land use of the Erf from "Residential" with a density of 1:900m2 to "Office" with a bulk of 1.0.

Please further take note that -

(a) For more enquiries regarding the consent application, visit the Department of Town Planning at the City of Windhoek;

(b) any person having objections to the rezoning concerned or who wants to comment, may in writing lodge such objections and comments, together with the grounds, with the Chief Executive Officer of the City of Windhoek and with the applicant within 14 days of the last publication of this

P.O. Box 22296 | Windhoek |t +264 61251975 | f: +264 61 3042191

REPUBLIC OF NAMIBIA MINISTRY OF TRADE &
INDUSTRY LIQUOR ACT, 1998

LIQUOR ACT, 1998 (regulations 14, 26 & 33)
Notice is given that an application in erms of the Liquor Act, 1998, particulars

OMUSATI

Name and postal address

Application relates:

ONAAND VILLAGE Nature and details of application

5. Clerk of the court with whom Application will be lodged: OUTAPI MAGISTRATE

Date on which application will be Lodged: 14-28 FEBRUARY 2022

Any objection or written submission in terms

Rates and Deadlines

CLASSIFIEDS

- To avoid disappointment of an advertisement not appearing on the date you wish, please book timeously
- Classifieds smalls and notices: 12:00, two working days prior to placing
- · Cancellations and alterations 16:00, two days before date of publication in writing only

Notices (VAT Inclusive) Legal Notice N\$460.00 Lost Land Title N\$402.50 Liquor License N\$402.50 Name Change N\$402.50 Birthdays from N\$200.00 Death Notices from N\$200.00 Tombstone Unveiling

from N\$200.00 Thank You Messages from N\$200.00 **Terms and Conditions** Apply.



TWAHAFA REAL ESTATE

PROPERTIES WANTED!

We are looking for properties to SELL / BUY for our preapproved clients

N\$300 000 to N\$ 1500 000 (Cost included) Katutura & Khomasdal

0816534437 info@twahafagroup.com

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE CONSTRUCTION OF A NEW CHARCOAL STORAGE AND PACKAGING PLANT

Public Consultation Notice in line with Section 21 of Regulation No. 30, under the Environmental Management Act (No. 7 of 2007), related to the EIA for the construction of A New Charcoal Storage and Packaging Plant in Arandis in Erongo Region.

Green Charcoal Namibia (GCN) has appointed KPM Environmental Consulting as the independent Environmental Assessment Practitioner to arry out the EIA prod Notice is hereby given of the commencement of the Public Consultation Process. Should you wish to be informed or to comment on the proposed project and EIA, please contact us before Thursday, 24th February 2022.

A Public Consultation meeting in Arandis is scheduled for Thursday, 24th February 2022 at Arandis Community Hall from 15h00 to 16h30.

For more information or to register as an interested or affected party contact us on:

Tel. +264 85 474 2222 / 085 277 2797 E-mail: info@kpmenvironmental. com



For Sale/To Let

We are at ror kent: kundu, 5 Begrooms, D Huge Kitchen ava of North North SPCA -Dinning, Big erf, wall, very secure gree take Queenspark Rundu please tak N\$5500ph SSISTANT FACTORYME!

African Deli, based in Walvis Bay, was founded in 2013 with the purpose of producing cost-effective ready to eat food as well as bring consumer-friendly packaging solutions to the market. The consumer without a fridge or protected storing space can now store our products for 24 months in a normal environment. We strive to bring healthy foods into people's homes.

MANAGER

The Assistant Factory Manager is responsible for facilitating manufacturing of products by leading the Production, Maintenance departments. Ensuring a standardized optimum, efficient, and profitable world class manufacturing system is in place and will be maintained

Education & Skills:

- Honors degree in Industrial and Manufacturing Engineering OR Qualification in a relevant subject such as Manufacturing Engineering, Food Sciences and Technology,
- 6 years of experience in Food Manufacturing Pouch/ Canning (FMCG), Production and Maintenance.

Additional Competencies:

- Working knowledge of ISO 9001, ISO 14001. OHSAS 1800, FSSC 22 000
- Working knowledge of 5S, Six Sigma, TPM, Lean Manufacturing System or VSM will be a distinct advantage
- Fully proficient in MS Windows and SAP/SAGE
- Evolution and Advanced Excel requirement. Attention to detail & Good with Numbers
- Deadline oriented Time Management skills

Responsibilities:

- Responsible of installation and maintenance of manufacturing equipment, performance enhancement trouble shoots issues
- Proving technical support and training on new
- Improve design and maintain manufacturing process
- to deliver product at minimum cost.
 Formulation of production planning and control systems Demand planning and capacity planning
- Develop and maintain production performance reporting
- Participates in development of new products
- Preventative and planned Maintenance Championing safety, health, and environment.
- Hazard and risk identification and mitigation Assist Factory Manager with Inspections and internal
- Assist Factory Manager Accident's investigations (RCA)
- Waste management systems
- Collate and analyze data, putting together production reports for both Factory Manager and customers where

Closing Date for Applications: 05 March 2022 (CVs with qualifications to be sent to eassist@africandeli.com)

Avacare Health Group (Avacare) cares about your privacy Avacare and other subsidiary or affiliated companies of Avacare are committed to protecting your privacy. Avacare is an equal opportunity organization that prides itself on its diverse teams across the globe.

Memoer sumb for m If you have not heard from us with SPGA for NS JOD application, please regard your application ap unsuccessful. **Bank Details**

+26461 2080800 Visit us - Cnr Dr W Kültz Strazze & Kerby Street Windhoek. Send your

advertising

requests to

sales@nepc.com.na

(061) 238654 or Hoshland Park 20 to provide comments in the case where the neighboring owner 1632 intends to operate an office (Design & Firm) ipports the SPCA

bra**NO 140** 629

a/c 11000 101 054
The Residence Occupation
Policy of Windhock requires

the righ**SIPGA NOTA**rf 1656.



Be it any accessories or gadgets for your vehicle. Call us on 061 2080800 or fax us on 220584

objections to the rezoning and consent concerned or who wants to comment, may in writing lodge such objections and comments, together with the grounds, with the Chief Executive Officer of the City of Windhoek, and

DYNAMICS

your business!

notice, i.e. no later than 15th of March 2022. No. 04 Wagner street | Windhoek west | c: +264 81 3290584

fenni@kamau-tpds.com w: www. kamau-architects.com

NOTICE OF APPLICATION TO A COMMITTEE IN TERMS OF THE

of which appear below, will be made to the Regional Liquor Licensing Committee, Region:

of applicant,
NDINELAGO IIPINGE IIPINGE

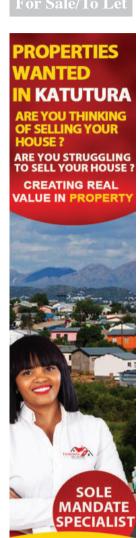
2. Name of business or proposed FAT JOE SHEBEEN

ONAANDA LOCATION

SHEBEEN LIQUOR LICENCE

7 Date of meeting of Committee at Which application will be heard: 13 APRIL 2022

of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.



CONTACT US

www.twahafagroup.com

info@twahafagroup.com

List it's with Us, we get it SOLD WITHIN A VERY FEW DAYS

Notices

CALL FOR PUBLIC

PARTICIPATION ENVIRONMENTAL IMPACT

ASSESSMENT FOR MINING

ACTIVITIES ON MINING

CLAIMS 72305-72310

This notice serves to inform

all interested and affected

parties that an application for

the environmental clearance

certificate will be launched with the Environmental

Commissioner in terms of the

Environmental Management

Act (No.7 of 2007) and the

Environmental Regulations (GN 30 of 2012).

located about 21 km northeast

of Arandis, along the B2 road.

The proponent intends to mine

dimension stone blocks from

Proponent: Mr. Josia Shilunga

All interested and affected

parties are hereby invited

to register and submit their comments regarding the

proposed project on or before 15/03/2022. Contact details

for registration and further

Impala Environmental

Email: eia@impalac.com, Tel: 0856630598

IMPALA VIRONMENTAL

Consulting Mr. S. Andjamba

the mining claims.

information:

+264 81 653 4437

CLASSIFIED

Tel: (061) 208 0800/44

Services

Offered

CLASSIFIEDS

 To avoid disappointment of an advertisement not appearing on the date you wish, please book imeously • Classifieds smalls and notices: 12:00, two working days prior to placing • Cancellations and alterations: 16:00, two days before date of publication in writing only

(VAT Inclusive) Legal Notice N\$460.00 Lost Land Title N\$402.50 Liquor License N\$402.50 Name Change N\$402.50 Birthdays from N\$200.00 Death Notices from N\$200.00 Tombstone Unveiling from N\$200.00

Thank You Messages from N\$200.00

Terms and Conditions Apply.

Elite Tutorial College



P O Box 1096 Ohangwena, Namibia Telephone: 0813713998\0811589009 elitecollege@live.com Namib Contract Haulage Complex, Next to Puma Service Station,

Old Engela Road, Omafo

ELITE TUTORIAL COLLEGE INVITES APPLICATIONS FROM PROFESSIONALLY QUALIFIED TEACHERS TO FILL IN THE FOLLOWING GRADE 11 TEACHING POSTS:

- Biology x 4 posts Physics x 2 posts
- Chemistry x 2 posts
- Agricultural Science x 3 posts
- Mathematics x 3 posts
 Development Studies
- x 2 posts
- History x 2 posts
- Geography x 2 posts English x 8 posts Commercials x 2 posts
- 11) Educational
- Psychologist x 1 post

Minimum requirements: 1) At least a Diploma

- in Secondary Education majored in the subject
- At least 5 years teaching experience at Ordinary Level.
- Holders of non-teaching degrees/ qualifications just have a post graduate diploma in education.
- Experience as a national marker in the subject applied for will be an added advantage.
- Ability to teach two subjects will be an added advantage

ONLY NAMIBIANS OR HOLDERS OF PERMANENT RESIDENCE SHOULD APPLY FOR THE ABOVE POSTS. ASSUMPTION OF DUTY DATE IS 14

MARCH 2022

Interested educators should send their application letters, CVs scanned certified copies of academic and professional qualifications to elitecollege@live.com

Employment

Offered

Job Advert: **Specialist** Obstetrician and Gynaecologist

Applications are invited for a Specialist Obstetrician & **Gynaecologist** position at a practice located in Windhoek,

Person Specification

- At least 5 years experience as a specialist Obstetrician and Gynaecologist
- Experience and expertise as a trainer and service provider in sexual & reproductive healthcare/family planning services and programmes
- Specialist registration with the Health 3. Professions Council of Namibia, with a valid licence to practice.
- Requisite professional indemnity for the speciality
- Good communication skills and proven writing skills

Duties and Responsibilities of the post

- Provide comprehensive obstetrics and gynaecology services
- Support general practitioners in management of women with complicated
- Participate in a planned corporate social responsibility programmes incorporating health awareness programmes for women, including family planning, sexual and reproductive healthcare as an initiative
- Write patient educational articles for the practice website

aimed at promoting

wellness.

Remuneration:

To be negotiated with the successful candidate.

> Closing date for applications: 18th March 2022

Interview date: Short-listed

If interested and meeting requirements please email CV, pdf copies of certified certificates and references

admin@drjeketerakhumalosurgery.com

Namibian citizens and residents are given preference. Women are encouraged to apply

Closing date: 18/03/2022

Please note that only shortlisted candidates who meet all of the requirements and qualifications will be contacted. No CVs and documentation will be returned.

Notice

REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998
(regulations 14, 26 & 33)
Notice is given that an application in terms
of the Liquor Act, 1998, particulars of
which appear below, will be made to the
Regional Liquor Licensing Committee.

Regional Liquor Licensing Committee
Region: OMUSATI

 Name and postal address of applicant
 SHIVUTE SIMON T 2. Name of business or proposed Business to which applicant BM SST SHEBEEN ant relates

BM SSI SHEBEEN
ddress/Location of premises to w
Application relates:
OLYASITI UNKWALUUDHI,
TSANDI CONSTITUENCY
NATURE and details of application
SHEBEEN LIQUOR LICENCE
5. Clerk of the court with whom
Application will be lodged:
OUTAPI MAGISTRATE
Date on which progress will be

OU IAPI MAGISTRATE

6. Date on which application will be Lodged: 14 – 28 FEBRUARY 2022

7. Date of meeting of Committee at Which application will be heard: 13 APRIL 2022

Any objection or written submission in terms of section 28 of the Act in relation to the applicant must be seen to discuss the section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998
(regulations 14, 26 & 33)
Notice is given that an application in terms
of the Liquor Act, 1998, particulars of
which appear below, will be made to the
Regional Liquor Licensing Committee,
Region: OTJOZONDJUPA

1. Name and postal address of applicant:
SHAAMU JEREMIA SIMON
PO, BOX 2048 WINDHOEK, NAMIBIA

P.O BOX 2048 WINDHOEK, NAMIBIA 2. Name of business or proposed Business to which applicant relates ZERO GRAVITY LOUNGE

Application relates: ERF 206 OSHETU:1 OKAHANDJA

ERF 206 OSHETU: 1 OKAHANDJA
4. Nature and details of application:
SHEBEEN LIQUOR LICENCE
5. Clerk of the court with whom
Application will be lodged:
OKAHANDJA MAGISTRATE
6. Date on which application will be
Lodged: 1 MARCH 2022
7 Date of meeting of Committee at Wh
application will be heard:
13 APRIL 2022
Any objection or written submission i

terms of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998
(regulations 14, 26 & 33)
Volice is given that an application in terms
of the Liquor Act, 1998, particulars of
which appear below, will be made to the
Regional Liquor Licensing Committee,
Region: OSHANA
1. Name and postal address of applicant:

 Name and postal address of applicant NEGONGO KORNELIUS P.O. BOX ONDANGWA Name of business or proposed
Business to which applicant relates
 SUNSHINE BAR

 Address/Location of premises to which Application relates:
 OKAPYA – OSHITAYI ONDANGWA
 Nature and details of application: Nature and details of application SHEBEEN LIQUOR LICENCE 5. Clerk of the court with whom Application will be lodged: ONDANGWA MAGISTRATE

Date on which application will be Lodged: 28 FEBRUARY 2022 7 Date of meeting of Committee at Which application will be heard: 13 APRIL 2022 Any objection or written submission in terms of section 28 of the Act in relation to terms of section 20 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF

APPLICATION TO A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998 (regulations 14, 26 & 33) Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, Region: KHOMAS

ROIDY SIMASIKU MASWAHU. P.O. BOX 2431, WINDHOEK 2. Name of business or proposed Business to which applicant relates LIOYD'S LOUNGE

3. Address/Location of premises to which Application relates: ERF 2589 W, SHOP 20, C/O KELVIN & VOIGHTS STREET, SOUTHTHERN INDUSTRIAL AREA, WINDHOEK 4. Nature and details of application:

Nature and details of application SPECIAL LIQUOR LICENCE 5. Clerk of the court with whom Application will be lodged: OUTAPI MAGISTRATE will be

 Date on which application will Lodged: 02 MARCH 2022 7 Date of meeting of Committee at Which application will be heard: 13 APRIL 2022 7 Date of me Any objection or written submission in terms of section 28 of the Act in relation to terms of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

Notice

Fax: (061) 220 584

PUBLIC NOTICE

Please take notice that Kamau Town Planning and Development Specialist has been appointed by the owner of Erf 549 Hochlandpark, Windhoek to apply to the City of Windhoek for the following:

Consent to use the respective Erf for a Guesthouse

Erf 549 Hochlandpark is located to the south west of the Windhoek CBD. Suburb Hochlandpark. The respective Erf is located on a flat surface, measures 1094sqm in extent and is zoned 'Residential'

The application stands to apply for the consent to use the respective Erf for a Guesthouse. There is sufficient provisin made for parking

Please further take note that -

(a) For more enquiries regarding the consent application, visit the Department of Town Planning at the City of Windhoek;

(b) any person having objections to the consent concerned or who wants to comment, may in writing lodge such objections and comments, together with the grounds, with the Chief Executive Officer of the City of Windhoek, and with the applicant within 14 days of the last publication of this notice, i.e. no later than 10 March 2022.

PUBLIC COMMENTS DEADLINE: 10 March 2022

No. 04 Wagner street | Windhoek west | c: +264 81 3290584

P.O. Box 22296 | Windhoek |t: +264 61251975 | f: +264 61

fenni@kamau-tpds.com w: www.kamau-architects.com

REPUBLIC OF NAMIBIA REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998
(regulations 14, 26 & 33)
Notice is given that an application in terms
of the Liquor Act, 1998, particulars of
which appear below, will be made to the
Regional Liquor Liquors (committee

Regional Liquor Licensing Committee,

Region: KHOMAS 1. Name and postal address of applicant FENNY NAMUCHANA MAGANO

FENNY NAMUCHANA MAGANO
MWANGE
P.O. BOX 22517, WINDHOEK
2. Name of business or proposed
Business to which applicant relates
LUXE LOUNGE

3. Address/Location of premises to which Application relates:

ERF 8766, WINDHOEK, NAMIBIA FREEDOM PLAZA T/A 1990 SOUTH.

FREEDOM PLAZA T/A 1990 SOU'
SHOP2, GROUND FLOOR

4. Nature and details of applicatio
SPECIAL LIQUOR LICENCE

5. Clerk of the court with whom
Application will be lodged:
WINDHOEK MAGISTRATE Lodged: 02 MARCH 2022

application will be heard Any objection or written submission in erms of section 28 of the Act in relation to

7 Date of meeting of Committee at Which

the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

Employment wanted

Mr. Johannes Kayoko is nemployed and has wife and children to take care of. He's urgently looking for Driver work. He's in possession of Code CE

driving license with more than 10 years' work experience Contact: 0812831503 Mr. Sebastiaan Thomas is

unemployed and urgently looking for Driver work Has more than 5 years' worl experience and has Code CE driving license Contact: 0812186141

Notice

CALL FOR PUBLIC PARTICIPATION **ENVIRONMENTAL IMPACT** ASSESSMENT FOR MINING **ACTIVITIES ON MINING CLAIMS 72305-72310**

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner in terms of the **Environmental Management** Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012).

Project: The license area is located about 21 km northeast of Arandis, along the B2 road. The proponent intends to mine dimension stone blocks from the mining claims.

Proponent: Mr. Josia Shilunga All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 15/03/2022. Contact details for registration and further information:

Impala Environmental Consulting Mr. S. Andjamba Email: eia@impalac.com, Tel: 0856630598



REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998
(regulations 14, 26 & 33)
Notice is given that an application in terms
of the Liquor Act, 1998, particulars of
which appear below, will be made to the
Regional Liquor Licensing Committee,
Region: OMUSATI

1. Name and postal address of applicant:
SHANINGWA LASARUS
P.O.BOX 1155 OUTAPI

P.O.BOX 1155 OUTAPI

2. Name of business or proposed Business to which applicant relates LASHA ENTERTAINMENT BAR Address/Location of premises to whice Application relates: ONHIMBU WEST

Application relates: ONHIMBU WEST
4. Nature and details of application:
TRANSFER OF A SPECIAL LIQUOR
LICENCE RECEIPT NUMBER AND
DATE ISSUED 8394857 FROM
PETER AMADHILA CRUZAMENTO
ENTERTAINMENT TO SHANINGWA
LAZARUS LASHA ENTERTAINMENT
BAR
5. Clerk of the court with whom
Application will be lodged:
OUTAPI MAGISTRATE
6. Date on which application will be
Lodged: 14 – 28 FEBRUARY 2022
7 Date of meeting of Committee at Which

7 Date of meeting of Committee at Which application will be heard:

13 APRIL 2022 Any objection or written submission in terms of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

REPUBLIC OF NAMIBIA
MINISTRY OF TRADE & INDUSTRY
LIQUOR ACT, 1998 NOTICE OF
APPLICATION TO A COMMITTEE IN
TERMS OF THE LIQUOR ACT, 1998

(regulations 14, 26 & 33) Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, Region: **KHOMAS**

. Name of business or proposed Business to which applicant relates

DORADO INN 3. Address/Location of premises to which Application relates: ERF 7975. DR KUAIMA RIRUAKO STREET, DORADO STREET

DORADO VALLEY, WINDHOEK Nature and details of application: APPLICATION FOR PERMANENT REMOVAL OF SPECIAL LIQUOR LICENCE, FROM: ERF 7975, DR KUAIMA RIRUAKO STREET, TO: ERF 3409, ONGAVA STREET.

OKURYANGAVA KATUTURA Date on which application will be Lodged: 02 MARCH 2022

7 Date of meeting of Committee at Which application will be heard: 13 APRIL 2022 Any objection or written submission in terms of section 28 of the Act in relation to terms of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

Notice

Email: classifieds@nepc.com.na

Notice

Legal Notice



CALL FOR PUBLIC PARTICIPATION/COMMENTS **ENVIRONMENTAL IMPACT ASSESSMENT AND** ENVIRONMENTAL MANAGEMENT PLAN TO OBTAIN AN ENVIRONMENTAL

CLEARANCE TO FINALISE THE TOWN PLANNING PROCEDURES FOR THE REZONING OF PORTIONS RE/5, 29 AND 33 OF FARM DOBRA No. 49, WINDHOEK, KHOMAS REGION

Green Earth Environmental Consultants have been appointed to attend to and complete an Environmental Impact Assessment and Environmental Management Plan (EMP) to obtain an Environmental Clearance Certificate as per the requirements of the Environmental Management Act (No. 7 of 2007) and the Environmental Impact Assessment Regulations (GN 30 in GG 4878 of 6 February 2012) to finalize the town planning procedures for the rezoning of Portions Re/5, 29 and 33 of Farm Dobra No. 49, Windhoek, Khomas Region.

Name of proponent: Bonnex Properties (Pty) Ltd

Project location and description: The project site is Portions Re/5, 29 and 33 of Farm Dobra No. 49 which is located east of the B1 Windhoek to Okahandja dualcarriage road, east of the Klein Windhoek River and west of the District Road 1512. It is the intention of the proponent to use the site for a transport business (Snyman Transport) for the parking of vehicles and warehousing purposes. The Portions Re/5, 29 and 33 are 7,2475ha, 5ha and 5,2108ha in extent respectively and are zoned 'residential' with a density of 1 dwelling per 5ha. To align the intended use with the stipulations of the Windhoek Town Planning Scheme, the portions must be rezoned to 'restricted business'. A locality plan of the site is displayed on the Town Planning Notice Board at the Customer Care Center, Main Municipal Offices, Rev. Michael Scott Street, Windhoek or can be obtained from Green Earth Environmental Consultants at Bridgeview Offices, No. 4 Dr. Kwame Nkruma Avenue, Klein Windhoek.

Interested and affected parties are hereby invited to register in terms of the assessment process to give input, comments, and opinions regarding the proposed project. A public meeting will be held only if there is enough public interest. Only I&APs that registered will be notified of the possible public meeting to be held.

The last date for comments and/or registration is

Contact details for registration and further information: Green Earth Environmental Consultants Contact Persons: Charlie Du Toit/Carien van der Walt

Tel: 0811273145 E-mail: charlie@greenearthnamibia.com and carien@greenearthnamibia.com

MINISTRY OF TRADE & INDUSTRY LIQUOR ACT, 1998 NOTICE OF APPLICATION TO A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998 (regulations 14, 26 & 33) Notice is given that an application in

11 March 2022.

terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee OMUSATI

 Name and postal address of ap
 ISAI SHILONGO
 P.O. BOX 271 OKAHAO 2. Name of business or proposed

Business to which applicant relates ISSY 3. Address/Location of premises to which

Application relates OKAKUYU OMUKONDO OKAHAO, KAKUYU OMUKONDO OKAHA:
Nature and details of application
SHEBEEN LIQUOR LICENCE
5. Clerk of the court with whom
Application will be lodged:
OUTAPI MAGISTRATE

6. Date on which application will be Lodged: 14 – 28 FEBRUARY 2022

7 Date of meeting of Committee at Which application will be heard: 13 APRIL 2022

Any objection or written submission in terms of section 28 of the Act in relation to the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.

MINISTRY OF TRADE & INDUSTRY LIQUOR ACT, 1998 NOTICE OF APPLICATION TO A COMMITTEE IN TERMS OF THE LIQUOR ACT, 1998

which appear below, will be made to the Regional Liquor Licensing Committee Region: OTJOZONDJUPA

2. Name of business or proposed

Business to which applicant relates DYNAMICS TRADING CC

OKAHANDJA

4. Nature and details of application:
RESTAURANT LIQUOR LICENCE

OKAHANDJA MAGISTRATE 6. Date on which application will be

25 FEBRUARY 2022

7 Date of meeting of Committee at Which application will be heard:
13 APRIL 2022

Any objection or written submission in terms of section 28 of the Act in relation to the positional work of section 28.

the applicant must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard

REPUBLIC OF NAMIBIA REPUBLIC OF NAMIBIA

(regulations 14, 26 & 33)
Notice is given that an application in terms of the Liquor Act. 1998, particulars of

Name and postal address of applicant
 MWENENI JONATHAN MWAFANGEO
 P.O. BOX 7010 WINDHOEK

3. Address/Location of premises to which Application relates **ERF 671 OSONA VILLAGE MALL**

Application will be lodged

25 FEBRUARY 2022

4 |TUESDAY 01 MARCH 2022 www.observer.com.na

WORLD & AFRICA

Nigeria urges respect towards Africans at Ukrainian border

ncreasing reports cite African citizens being blocked from crossing the Ukrainian border.

The presidency also cited a video that has been widely shared on social media showing a Nigerian woman with her young baby being forcibly made to give up her seat to another person.

"One group of Nigerian students having been repeatedly refused entry into Poland have concluded they have no choice but to travel again across Ukraine and attempt to exit the country via the border with Hungary," read the statement

"While efforts to begin talks between Russia and Ukraine are under way, paramount on our minds is the safety and human rights of some four thousand Nigerian citizens and many others from friendly African nations today stranded in Ukraine," it added.

The same concerns were shared on Sunday by Nigeria's foreign minister Geoffrey Onyeama who is said to have spoken about the matter with his Ukrainian counterpart.

"He asserted that Ukrainian border guards have been instructed to allow all foreigners to leave. He promised to investigate and revert quickly," Onveama said on Twitter.

Meanwhile, Poland's ambassador Nigeria Joanna Tarnawska has dismissed claims of unfair treatment. "Everybody receives equal treatment," she told Nigerian journalists. "I can assure you that

I have reports that already some Nigerian nationals have crossed the border into Poland.'

The reports come in the middle of a war that started on Thursday after Russia's President Vladimir Putin ordered troops to enter Ukraine following weeks of military build-up along the two countries' border.

The conflict has prompted more than 500, 000 people to flee Ukraine, according to the United Nations. UN refugee agency spokeswoman Shabia Mantoo said on Monday that the latest count had 281,000 people entering Poland, more than 84,500 in Hungary, about 36,400 in Moldova, more than 32,500 in Romania and about 30,000 in Slovakia.

SOURCE: AL JAZEERA



An African man rests as refugees from many countries - Africa, the Middle East and India - mostly students of Ukrainian universities are at the Medyka pedestrian border crossing fleeing the conflict in Ukraine, in eastern Poland [File: Wojtek Radwanski/AFP]



MSME INFORMATION SESSIONS



The NIPDB invites all Micro. Small and Medium Enterprises (MSMEs) in the //Kharas and Hardap regions to the Know2Grow (K2G) information sessions.

K2G is a regional knowledge dissemination and capacity building initiative for MSMEs. The initiative facilitates awareness of the services, facilities and growth opportunities available for MSMEs, with a focus on financing and access to markets. It further provides an opportunity to engage and network, as the NIPDB will be joined by various private and public sector business support organisations (BSOs) including commercial banks, various government ministries and/or agencies, and more.

Town	Venue	Date
Karasburg	Karasburg Business Park	28 February 2022
Keetmanshoop	Moth Hall (Keetmanshoop Municipality)	1 March 2022
Bethanie	Bethanie Community Hall	2 March 2022
Lüderitz	Old Power Station	3 March 2022
Mariental	Persianer Hall	8 March 2022
Maltahohe	PA Smith Primary School Hall	9 March 2022

Time for all sessions: 10h00 to 13h00

Who may attend: Registered MSMEs operating in, but not limited to, the following sectors: Logistics, Agriculture, Horticulture and Aquaculture.

For enquiries, please email K2G@nipdb.com or call 083 333 8672 / 083 333 8614.





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The Namibia Investment Promotion and Development Board ("NIPDB") is a non-profit association incorporated under section 21 of the Companies Act, Act No. 28 of 2004 ("the Companies Act"). The Board was established as an autonomous entity in the office of the Presidency and is declared a Public Enterprise in accordance with section 2 of the Public Enterprise Governance Act, Act No. 16 2019. The NIPDB is mandated to promote and facilitate investment by foreign and Namibian investors, and coordinate MSMEs activities across all levers of the economy, with the aim of contributing to economic development and job creation.

At least 20 civilians killed in attack in eastern Congo: Report

resident of the attacked village and an activist said the Allied Democratic Forces (ADF) were behind the killings.

At least 20 civilians have been killed in an attack in the northeastern region of the Democratic Republic of the Congo (DRC), Reuters news agency has reported.

The attack occurred in the village of Kikura late Sunday, Odette Zawadi, the president of a local activist organisation, told the news agency.

The assailants struck at about 9 pm, wielding machetes and burning houses, the activist said. She and a local resident, Claude Kalinde, blamed the bloodshed on the Allied Democratic Forces (ADF) armed group.

The attack comes months after DRC and Ugandan troops launched a joint operation against the ADF, which has killed thousands of civilians in the region since 2013.

Since the operation began in late November, the group has continued to attack and kill civilians. In December, at least 16 people were killed in an attack suspected to have been carried out by the group in the rural commune of Mangina.

"We already didn't seem to have confidence in these so-called joint operations. How can you explain that 20 people are killed in the presence of these two forces?" Zawadi told Reuters.

Kalinde, who also said that 20 bodies had been recovered, said: "We thought that the coalition of the Congolese and Ugandan armies would help us, but look at how sad this is."

The ADF was founded in Uganda in 1995. It later moved to the DRC where it is among dozens of armed groups seeking control over territory and mineral resources in the east of the country. Despite its pledged allegiance to ISIL (ISIS) in 2019, UN researchers have not found any evidence that the group controls the

Ugandan forces have launched air and artillery raids in the DRC since the beginning of the joint operation, pledging to stay in the neighbouring country for as long as necessary to defeat the ADF.

However, the intervention has alarmed some Congolese, who remain wary after Uganda plundered the country's resources during the DRC's second civil war that raged from 1998 to 2003.

Capitaine Antony Mwalushavi, a spokesman for DRC's army, told Reuters that soldiers in the area had been slow to learn of the latest attack because the assailants did not use firearms.

"We cannot be discouraged because the objective of the enemy is to discourage us, to separate us from the population," he said.

SOURCE: NEWS AGENCIES

CALL FOR PUBLIC PARTICIPATION

ENVIRONMENTAL IMPACT ASSESSMENT FOR MINING ACTIVITIES ON MINING CLAIMS 72305-72310

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner in terms of the Environmental Management Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012).

Project: The license area is located about 21 km northeast of Arandis along the B2 road. The proponent intends to mine dimension stone blocks from the mining claims

Proponent: Mr. Josia Shilunga

All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 15/03/2022. Contact details for registration and further information:

Impala Environmental Consulting Mr. S. Andiamba Email: eia@impalac.com, Tel: 0856630598



MINING ACTIVITIES ON MINING CLAIMS 72305-ENVIRONMENTAL IMPACT ASSESSMENT FOR CALL FOR PUBLIC PARTICIPATION 72310

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