

ONGANJA MINING COMPANY (PTY) LTD

trading as

# QUARRY VENTURES

## RENEWAL APPLICATION: ENVIRONMENTAL CLEARANCE CERTIFICATE

with respect to

LEASE AREA No.1  
Swakopmund Townlands



25th March, 2022

# ONGANJA MINING COMPANY (PTY) LTD

Telephone: +264 61 234 798  
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P.O.Box 5059  
WINDHOEK  
Republic of Namibia

25<sup>th</sup> March, 2022

BY HAND

ATTENTION: Mr Timoteus Mufeti  
Environmental Commissioner

The Office of the Environmental Commissioner  
Ministry of Environment, Forestry and Tourism  
Private Bag 13306  
WINDHOEK  
Namibia

Dear Sir

## **SUBMISSION OF APPLICATION FOR RENEWAL OF ENVIRONMENTAL CLEARANCE CERTIFICATE: LEASE AREA No.1, SWAKOPMUND TOWNLANDS 41**

We herewith respectfully submit our Application for Renewal of Environmental Clearance with respect to the above-mentioned Lease Area No.1.

This application comprises the following:

1. Form 1 Renewal Application with attached N\$300 Revenue Stamps
2. A summary report
3. An updated Google Earth annotated image of the quarry layout on Lease Area No.1
4. The Environmental Management Plan summary audit
5. An example of the EMP Biannual Compliance Report, as submitted and attached to the Biannual Environmental Report
6. A copy of the current Environmental Clearance renewal

We trust this application will be favourably reviewed.

Yours faithfully



Robert Carr  
Director



ANNEXURE 1  
FORMS

Form 1

## REPUBLIC OF NAMIBIA

## ENVIRONMENTAL MANAGEMENT ACT, 2007

(Section 32)

## APPLICATION FOR ENVIRONMENTAL CLEARANCE CERTIFICATE

## RENEWAL APPLICATION

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM	NAMIBIA REVENUE NS100
28 MAR 2022	NAMIBIA REVENUE NS200
Tel: 061 264 2701 RECEIVED 2	
Signature:.....	

## PART A: DETAILS OF APPLICANT

1. Name: (person or business) **ONGANJA MINING CO. (PTY) LTD**  
**trading as QUARRY VENTURES**
2. Business Registration / Identity No. **1242**  
(if applicable)
3. Correspondence Address: **P.O. Box 5059, AUSSPANPLATZ**
4. Name of Contact Person: **ROBERT CARR**
5. Position of Contact Person: **GENERAL MANAGER, DIRECTOR**
6. Telephone No.: **061-234798**
7. Fax No.: **NONE**
8. E-mail Address : (if any) **onganjamining@iway.na**

 Tick ( ) the appropriate box

**PART B: SCOPE OF THE ENVIRONMENTAL CLEARANCE CERTIFICATE****1. The environmental clearance certificate is for:**

- On-going quarrying activities on Lease  
 Area No.1 on the Swakopmund Townlands

**2. Details of the activity(s) covered by the environmental clearance certificate:**

[Note: Please attach plans to show the location and scope of the designated activity(s), and use additional sheets if necessary:

Title of Activity: Quarrying  
 Nature of Activity: Production of crushed stone for construction  
 Location of Activity: Lease Area N°1, Swakopmund Townlands  
 Scale and Scope of Activity: Production of aggregate on a commercial scale, up to 5000t/month, depending

**PART C: DECLARATION BY APPLICANT**

I hereby certify that the particulars given above are correct and true to the best of my knowledge and belief. I understand the environmental clearance certificate may be suspended, amended or cancelled if any information given above is false, misleading, wrong or incomplete.



Signature of Applicant

ROBERT GUY CARR DIRECTOR

Full Name in Block Letters

Position

on behalf of ONGANJA MINING CO  
(PTY) LTD trading as  
QUARRY VENTURES

25<sup>th</sup> MARCH, 2022  
 Date



**SUMMARY REPORT FOR THE ENVIRONMENTAL CLEARANCE RENEWAL  
APPLICATION FOR LEASE AREA No.1, SWAKOPMUND TOWNLANDS 41**

**1. OVERVIEW**

As the nature of the quarry operations have not changed in the past 3 years, this overview, contained in the previous renewal application, remains current. However, it should be mentioned that the downturn in the Namibian economy, exacerbated by the COVID pandemic, resulted in the quarrying operations being put on hold for the last two years of the reporting period.

Onganja Mining Company (Pty) Ltd, trading as Quarry Ventures, is the holder of commercial quarrying rights to Lease Area No.1, Swakopmund Townlands 41, by agreement with the Swakopmund Municipal Council. The quarry is operated for the purpose of producing rock and crushed rock aggregate for civil construction and similar works. Further, Quarry Ventures entered into an agreement with Namibia Construction (Pty) Ltd to whom it sublet such quarrying rights. However, Quarry Ventures remains responsible for the compliance of the quarrying operations with all relevant legislation, including the Environmental Act, and for the submission of the Biannual Environmental Reports to MET.

The quarry is fully operational, though at a reduced output, and is managed and operated to the satisfaction of the Municipal Council.

**2. BIANNUAL REPORTING**

Since the current Environmental Clearance was issued to the company on 17<sup>th</sup> April, 2019 (a copy of which is attached), the company has submitted fully-supported Biannual Environmental reports in terms of the requirements of the Act, by due date.

This application for the Renewal of the Environmental Clearance, is therefore supported by these reports, **which are fully illustrated with photographs** relevant to its activities on the ground.

**3. ENVIRONMENTAL MANAGEMENT PLAN AUDIT**

From the start, the quarry was operated in accordance with the Environmental Management Plan set out in the Pro-forma Environmental Contract signed on 2.11.2004. The Environmental Commissioner was satisfied with the commitments set out in that document, and accordingly issued the initial Environmental Clearance on 7.3.2013 which binds Quarry Ventures to adhere to the terms and conditions of the Environmental Management Plan as approved..

The quarry operator, Namibia Construction, employs on staff, its own Health, Safety and Environmental Officer, Mr Jacques Krynauw. The Biannual Environmental Reports submitted by Quarry Ventures, therefore include copies of the Biannual Environmental Management Compliance Reports compiled by Namibia Construction (Pty) Ltd.

The above-mentioned EMP Compliance Reports represent 6-monthly audits of the Contract Environmental Management Plan. A review of these reports, supported by the photographs contained in the Biannual Environmental Reports, shows that the quarry operator has performed in compliance with the requirements of the EMP.

The EMP therefore comprises an on-going part of the company's activities on the Lease Area, in compliance with the prescribed regulations.

4. **ON-GOING ACTIVITIES ON LEASE AREA No.1**

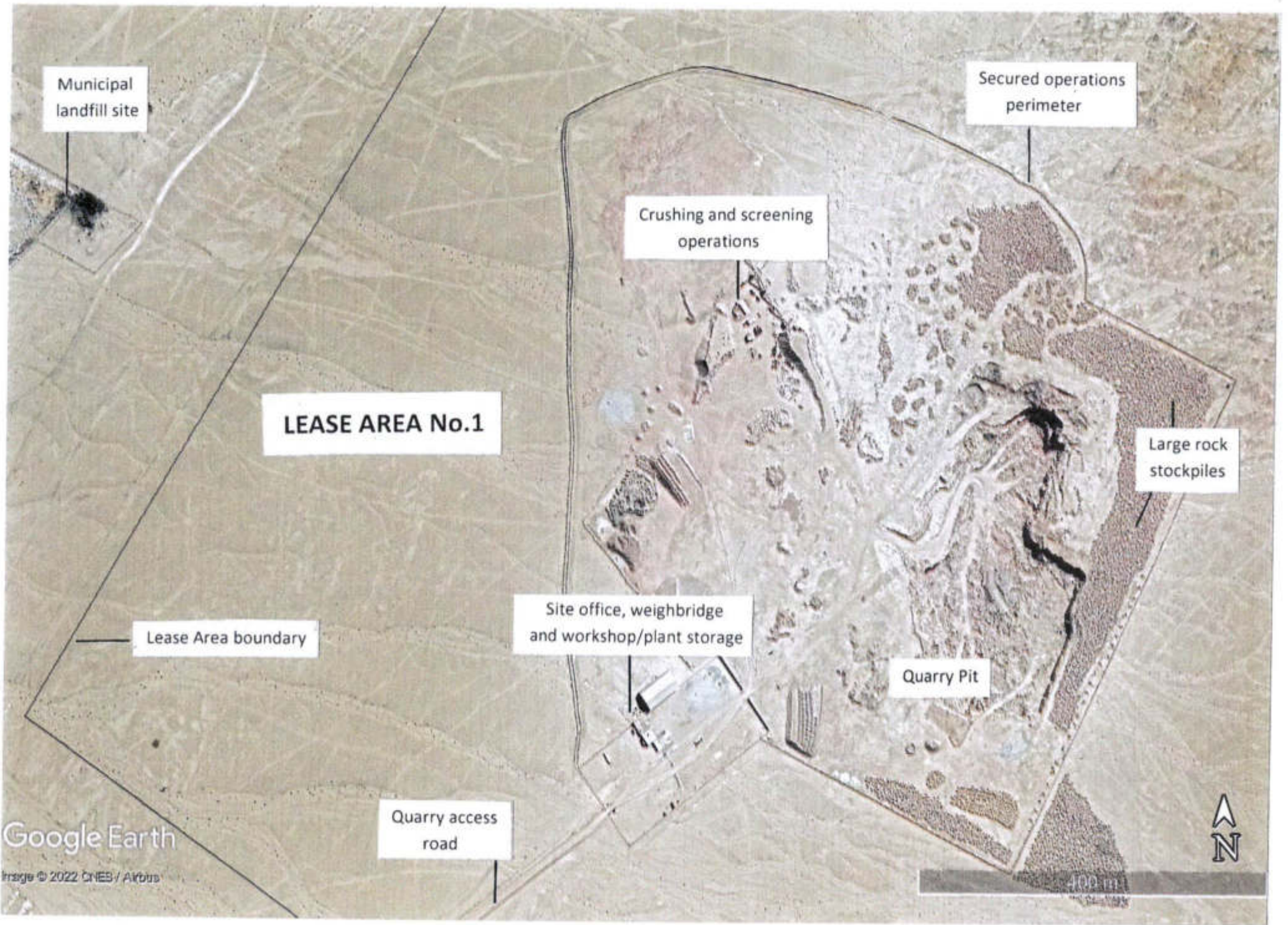
Quarrying operations continue as described in the Biannual Environmental Reports. Quarried rock is crushed to various commercial sizes and stockpiled for delivery over the weighbridge. Oversize rock (ie too large to crush) is stockpiled for supply to projects such as breakwater and sea-wall maintenance. The quarry operator pays particular attention to good housekeeping on site, as can be seen in the photographs accompanying the Biannual Environmental Reports.



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R.G. Carr  
Director  
25th March, 2022





Municipal landfill site

Secured operations perimeter

Crushing and screening operations

LEASE AREA No.1

Large rock stockpiles

Lease Area boundary

Site office, weighbridge and workshop/plant storage

Quarry Pit

Quarry access road

Google Earth

Image © 2022 CNES / Airbus

400 m





**ENVIRONMENTAL MANAGEMENT PLAN SUMMARY AUDIT FOR ACTIVITIES ON LEASE AREA No.1  
SWAKOPMUND TOWNLANDS FOR THE 3-YEAR PERIOD 1<sup>st</sup> JANUARY 2019 - 31<sup>st</sup> DECEMBER 2021**

ASPECT	IMPLEMENTATION STATUS
Pollution and Waste	The quarry operator is committed to practise a "good housekeeping" policy. The work area is kept free of litter and all waste materials are stored in dedicated bins for routine disposal at the Swakopmund Landfill site. Waste oils are disposed of in the prescribed manner. The Swakopmund Municipality is satisfied with the operational performance with respect to the environment. Litter blown from the DRC cannot be controlled.
Vehicles and Earthmoving Equipment	The nature of the quarrying operations requires the use of heavy earthmoving equipment including excavators, haul trucks and front-end loaders. The movement of this equipment is restricted to the work area, which includes the quarry pit, the crushing and screening facility and the crushed aggregate stockpile area. The vehicles and equipment are serviced and cleaned at the facility dedicated for this work.
Water	Water is obtained from Namwater and is trucked to site with a 10m <sup>3</sup> water tanker. This is used for domestic and industrial purposes. Water wastage is therefore kept to a minimum.
Protection of Fauna and Flora	The flora and fauna are left undisturbed in those areas outside of the designated quarry area and surroundings, which include the crushing and screening plant facilities and product stockpile areas as well as the quarry access entrance, offices and weighbridge facilities, and
Interaction with Neighbouring Communities	The quarry area is leased from the Swakopmund Municipality, and is accessed only by those authorized to do so. Appropriate danger warning signs are erected on the property. The quarry operator maintains an open line of communication with Municipal officials in the appropriate departments (Health, Engineering, Planning, Public Relations).
Rehabilitation	The arrangements for quarry rehabilitation on quarry closure, are approved by the Swakopmund Municipality, and financial provision for this activity is in place.
Monitoring and Reporting	The Biannual Environmental Reports have been submitted timeously and all activities have been illustrated with detailed photographs. The quarry operator has an HSE officer, who compiles an Environmental Compliance Report which is attached to the Biannual Environmental Reports, an example of which is attached hereto.




DECEMBER 9, 2021

# CLIENT BI ANNUAL ENVIRONMENTAL REPORT

REPORT 02/2021

PREPARED BY:  
JACQUES KRYNAUW  
HSE MANAGER  
NAMIBIA CONSTRUCTION







## Introduction

A division of Namibia Construction includes a stone quarry which is located on the North Eastern outskirts of the town of Swakopmund. This particular stone quarry is situated in the Dorob National Park in Namibia.

GPS location. -22.620635332728295, 14.57471410738446

The Dorob National Park in Namibia incorporates conservation areas of the West Coast Recreational Area of Namibia and multiple areas for adventure tourism. Dorob Park is stretching from Kuiseb delta south of Walvis Bay to the Ugab River in the north of the country and up to around 50 km inland.

Dorob National Park with the Skeleton Coast National Park and the Namib-Naukluft Park with the Sperrgebiet National Park form the Namib Skeleton Coast National Park - the park that stretches along the whole Namibian Atlantic coast.

Since October 2021, Namibia Construction agreed to sub-contract certain of the quarrying operations to Zhong Mei Engineering Group (Pty) Ltd., Namibia.

The government of Namibia has awarded Zhong Mei Engineering Group (Pty) Ltd. the contract to construct a stretch of road connecting the Henties Bay-Uis-Khorixas-Kamanjab.

This particular road forms part of a critical infrastructure in Namibia.

The operation of a stone crushing plant is associated with several environmental issues, namely.

- Dust and air emissions
- Noise
- Wastewater / effluents
- Solid wastes
- Waste Oil, hydrocarbon and oil spills from vehicles and equipment
- Energy and water consumption

As a result Namibia Construction, in cooperation with Zhong Mei, has an obligation to ensure that strict measures are enforced to protect the natural environment and to minimize the impact on nature.

Regular inspections/audits will be conducted to identifying potential environmental impacts and aspects to provide associated mitigation measures for the identified impacts, associated with the planned activities.

# Environmental Monitoring

- **Environmental Noise Monitoring**

No formal walk through noise survey needed at this stage. Overall, the impact of generated noise on the environment during the crusher activities period is insignificant and limited.

- **Environmental Dust Monitoring**

No formal dust monitoring needed at this stage.

Dust produced during the normal crusher/quarry operations may worsened when strong East Winds conditions occur and might pose a nuisance and potential health risk to neighbouring communities and staff members. However the predominant average wind direction at the coast is South Western and as a result, dust will be blown into the desert and not affect the community.

- **Environmental Water Quality Monitoring**

No rain recorded.

Freshwater supplied by the local Municipality. Regular water testing is being done by the Municipality to ensure that it is free of harmful substances.

- **Animals and Avifauna (birds of a particular region and habitat)**

Shore and inland bird and monitoring inspections were regularly undertaken on site by the Site Foreman. These inspections indicated that no shorebirds or inland birds were observed to congregate at the site.

Regular inspections were also undertaken by the Site Foreman and no sightings of land dwelling animals were recorded.

Staff members were also instructed not to engage in illegal activities such poaching and illegal harvesting of Flora.

- **Waste Management**

All domestic and hazardous waste were regularly removed from site and dumped at a registered Municipal Waste Dump.

No burning of refuse shall be allowed on site.

Disposal certificates are given for hazardous waste.

The nearby squatter camp poses a risk in terms of domestic waste that gets blown into the desert and gathers on the site fencing. Regular clean up campaigns are being conducted to clean up the litter.

- **Community Issues**

No need to set a community based communication system at this stage. No complaints have been received thus far. Due to the location of the crusher plant, which is some distance away from the nearest houses, the impact will be insignificant on the nearby community.



- **Sanitation**

The EMP requires that a minimum of one toilet per 15 persons at each working area are provided. The site has 4 toilets 2 for males, 1 for visitors and 1 for females; these are maintained and cleaned daily.

No toilets are being used to store any construction material or used as a storage area.

Zhong Mei Engineering group has 1 mobile toilet on site and is cleaned biweekly. Namibia Construction only have 2 employees on site and Zhong Mei +- 9 employees on site repairing crusher plant.

- **Fire Protection**

The Project Fire Protection Plan and Fire Fighting Procedure are in place. All fire extinguisher are within their service date. Fire extinguishers are placed at strategic points and are easily accessible in the event of an emergency.

- **Environmental Induction**

Basic environmental ethics, such as no removal/trampling of vegetation adjacent to the site, prevention of litter, no fires, no injury of animals etc. is maintained as part of the basic induction and Namibia Construction rules are constantly reiterated. Do's and Don't lists were distributed to all present as well as posters identifying dangerous snakes within the working area and the procedure to follow if one should encounter any of these animals, this again is an ongoing process via Toolbox Talks.

Environmental management is included in some toolbox topics, communicated with all employees attending the Toolbox Talks.

Environmental awareness training is also communicated with all employees (Induction).

- **Labour**

+ 2 employees working on site Namibia Construction.

+ 9 employees working on site Zhongmei Engineering Group.

1 security guard at the entrance of the site (24 hour rotation).

- **Litter**

All staff members were clearly briefed on the 'no litter policy' during the environmental induction. The Contracts Manager and HSE Manager will inspect the site during site visits and provide suggestions/mitigation measures if needed on how litter can be kept to a minimum.

- **Health & Safety Compliance**

Namibia Construction HSE Manager, in collaboration with the newly appointed Zhong Mei HSE Officer, Stefanus Linovene, stefanus.linovene@yahoo.com will conduct periodic compliance audits and all deviations will be addressed accordingly.

Any subcontractors or visitor entering the site will be inducted to the same standards that apply to Namibia Construction.

- **Site Camp**

Not applicable on site anymore. Namibia Construction removed all containers. Area been cleaned.

- **Storage Site**

Areas adjacent to the fence are used to store equipment and machinery. The site needs to be kept tidy and neat daily all spillages needs to be cleaned up immediately and be reported.

- **Lockers**

Lockers have been put in place for the employees' PPE and personal items to be locked.

- **No-Go Areas**

During the environmental induction all staff was educated on the meaning of the No-Go Areas. These areas apply only when loading and blasting takes place. Danger signs are placed around the crusher site for warning.

- **Site Access**

The access road leading to the quarry branches off from the C34, Swakopmund/Henties Bay road. This gravel road is being maintained periodically to ensure a safe travel to the site and back.

The site entrance is being manned 24/7 by a security guard to eliminate the risk of unlawful entry to the premises. The names and vehicle details of all persons entering the premises is logged in a register which forms part of the access control plan.

- **Excavation Works**

With all excavation works, care should be taken to protect vegetation and soil layers as far as possible. All plant/soil material excavated must be placed at the designated areas within the confines of the site. Excavation inspections will be done after blasting.

- **Blasting**

The next blast will be done by Beifang Mining Technology Services and is scheduled for the 03<sup>rd</sup> of January 2022.

Strick control over the blasting activities to prevent, reduce or control adverse environmental effects and legal compliance will be enforced.

**Mitigation measures for blasting activities.**



- Providing verbal or written notification of individual blasts to any person who must to be notified.
- Placing sentries to ensure no unauthorized entry within 500m of the blast prior to firing.
- Ensuring all personnel undertaking drilling and blasting activities are suitably qualified and experienced for the task that they are undertaking
- Proper blast design.
- Using appropriate explosives for the task.
- Proper pre and post blast inspection.

- **Concrete Works/ Batch Plant**

The Batch Plant has been removed from site 2017. No concrete batching been done on site.

- **Removal of Vegetation**

No removal of vegetation may occur without a permit and not before photographs are taken of the areas concerned.

- **Crusher of Zhong Mei Engineering Group**

The crusher plant at this stage is not in working order and Zhong Mei personnel are in the process of fixing/repairing the plant. As a result, no crushing has been done at this stage.

Controlling dust emissions when the plant is up and running will be a challenge, however dust suppression will be done by using a water bowser. Strick dust monitoring to be done during the crushing stage.

All waste, rubble and off cut scrap will be removed from site on a regular basis to a certified waste dump.

- **Crusher Plant of Namibia Construction**

Crusher plant not on site. Removed from site.

- **Hazardous Chemical Waste**

No Incidents reported for the period. Existing still stored and gets disposed of by Exigrade Disposal certificates are given for the used oil.

- **Penalties for non-compliance**

No penalties for non-compliance have been issued to date.

- **Diesel Plant**

Proper control to ensure safe and efficient refilling of equipment as well as a spill kit and appropriate, mandatory symbolic signs are in place.

- **Conclusion**

At this stage the stone quarry area appears to be in a good condition, however there are significant challenges in maintaining and protecting the natural environment. Resolving these will rely on responsible, effective implementation of existing environmental measures.

The SHEQ department is to ensure by conducting internal audits that operational management are fulfilling all tasks, and:

- Capture findings of inspections and audits and close out the actions on the electronic system
- Ensure line management develop, implement and update operational control procedures
- Ensure that operational control procedures are appropriate to the level of risk
- Conduct medical fitness and fitness to work test on all employees involved in critical tasks.
- Provide a system of effective communication of the results of these inspections to line management. Formal control measures for all relevant processes, products, services and activities, including maintenance, shall be established, implemented and maintained by relevant competent personnel and approved by senior management.
- Initiate the review of control systems, measures and processes in response to continuous risk assessments, issue based risk assessments and/or incidents
- Investigate trends available, capture actions and close out actions

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REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT AND TOURISM

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Dr Kenneth Kaunda Street  
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Windhoek  
Namibia

Enquiries: Mr. Josafat K Hiwana  
E-mail: [josafat.hiwana@met.gov.na](mailto:josafat.hiwana@met.gov.na)

16 April 2019

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

The Managing Director  
Onganja Mining Company (Pty) Ltd  
P.O. Box 5059  
Ausspannplatz  
Windhoek  
Namibia

Dear Sir/Madam

**SUBJECT: ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE QUARRY OPERATION SITUATED IN SWAKOPMUND TOWNLANDS, ERONGO REGION**

The Environmental Management Plan submitted is sufficient as it made provisions of the environmental management concerning the proposed activities. From this perspective, regular environmental monitoring and evaluations on environmental performance should be conducted. Targets for improvements should be established and monitored throughout this process.

This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project

On the basis of the above, this letter serves as an environmental clearance certificate for the project to continue. However, this clearance letter does not in any way hold the Ministry of Environment and Tourism accountable for any misleading information, nor any adverse effects that may arise from this project's activities. Instead, full accountability rests with Onganja Mining Company (Pty) Ltd.

This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office.

Yours sincerely,

Fredrick Mupoti Sikabongo  
DEPUTY ENVIRONMENTAL COMMISSIONER



**"Stop the poaching of our rhinos"**

All official correspondence must be addressed to the Permanent Secretary



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