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ENVIRONMENTAL MANAGEMENT PLAN

FOR

THE PROPOSED MINING ACTIVITIES ON MINING CLAIM 70385

AT KARIBIB DISTRICT

ERONGO REGION



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DOCUMENT INFORMATION	
DOCUMENT STATUS	FINAL
PROJECT TITLE	Environmental Management Plan (EMP) for The Proposed Mining Activities on Mining Claim 70385 At Farm Okawayo No 46 Karibib, Erongo Region
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LOCATION	Karibib, Erongo Region
DATE	7th February 2018



ABBREVIATION

EMA	Environmental Management Act
MET	Ministry of Environment and Tourism
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
ECO	Environmental Compliance Officer
SM	Site Manager
ESMP	Environmental Social Management Plan
NNHC	Namibian National Heritage Council
HIV	Human Immune Virus
AIDS	Acquired Immune Deficiency Syndrome
PPE	Personal Protective Equipments
GHG	Green House Gases
dB	Decibels
GDP	Gross Domestic Product



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1. INTRODUCTION

Mr. Samorna Brian Kangura Mudumbi is a Namibian citizen who rightfully obtained a Non-Exclusive Prospecting licence and Mining claim 70385 at farm Okawayo No. 46 in Karibib area measuring 17.217 Ha in size (Appendix 1).

A joint venture between Mr. Samorna Brian Kangura Mudumbi and Adaptabiz Investments cc, a 100% Namibian owned company, was formed. The joint venture intentions are to use the capacity of Adaptabiz Investment cc to carry out mining activities for dimension stone, marble in particular. Hence for the purpose of this report, Adaptabiz Investment cc would be hereinafter referred to as the proponent.

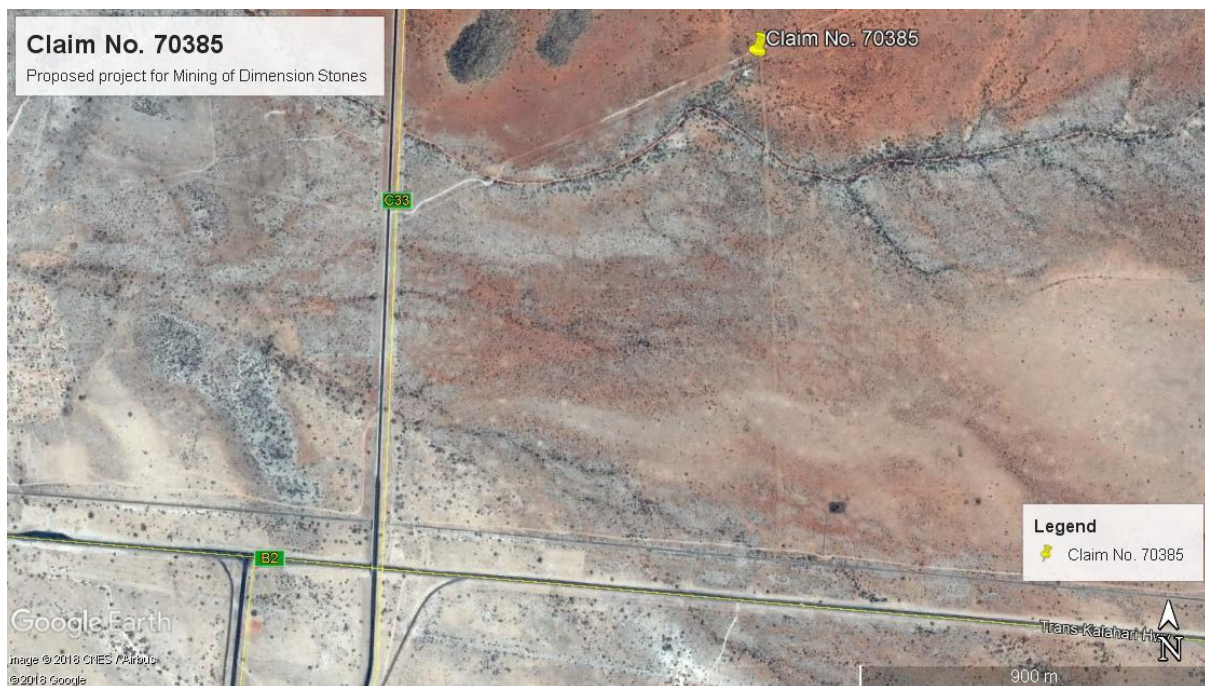


Figure 1: Project Site

2. PURPOSE OF THE EMP

This Environmental Management Plan (EMP) is a risk strategy that contains logical framework, monitoring programs, mitigation measures, and management control strategies to minimize potential environmental impacts to insignificant level. It further stipulates the roles and responsibility of persons involved in the project.



3. COMPLIANCE TO THE EMP

This EMP is a legally binding document as given under the provisions of the Environmental Management Act, 2007 (Act No. 7 of 2007). The project proponent and its contractors must therefore adhere to the framework of this document.

4. LEGAL AND POLICY FRAMEWORK

Table 4- 1: Legal Requirements for the proposed project

Legislation	Summary	Applicability to Assessment
The Namibian Constitution	The State shall actively promote and maintain the welfare of the people by adopting policies aimed at ... The maintenance of ecosystems, essential ecological processes and biological diversity of Namibia and utilization of living natural resources on a sustainable basis for the benefit of all Namibians, both present and future	Protection of the environment and biodiversity. Ensures that these principles are enshrined in the EIA documentation
Environmental Management Act No. 7 of 2007	This act aims to promote the sustainable management of the environment and the use of natural resources and to provides for a process of assessment and control of activities which may have significant effects on the environment; and to provide for incidental matters	The Act provides a list of activities that may not be undertake without an environmental clearance certificate to prevent environmental damages. The project area harbours a variety of both flora and fauna including protected and endemic species.
Mineral Resource Act, Act 1992.	Reconnaissance, prospecting, and Mining of Mineral in Namibia and Issuance of all permits.	Issuance of Mining permits



Legislation	Summary	Applicability to Assessment
Draft Pollution Control and Waste Management Bill	This Bill serves to regulate and prevent the discharge of pollutants to air and water as well as providing for general waste management	To protect the Environment from possible hydrocarbons and oil leaks from the machinery, trucks and vehicles. Eliminate or minimise ground water contamination.
Environmental Policy framework (1995)	This policy subjects all developments and project to environmental assessment and provides guideline for the Environmental Assessment.	Consideration of all possible impacts and incorporate them in the development stages
The Occupational Safety and Health Act No. 11 of 2007	Promotes the Safety and Health of employees at the work place	Employees subjected to noise and dust
Public Health Act No. 36 of 1919	To Protect the public from nuisance and states that no person shall cause a nuisance or shall suffer to exist on any land or premises owned or occupied by him or of which he is in charge any nuisance or other condition liable to be injurious or dangerous to health.	Application of proper mitigation measure to noise and dust and safety risk
Labour Act No. 11 of 2007	This Act outlines the labour laws which encompass protection and safety of employees at work.	This project will require labour during its operational stage and decommissioning stage.



Legislation	Summary	Applicability to Assessment
Water Act No, 54 of 1956	<p>All water resources belong to the State. It prevents pollution and promotes the sustainable utilization of the resource</p> <p>All applicable permits must be obtained under the provisions of Sections 21(1) such as;</p> <ul style="list-style-type: none"> • water abstraction permits; • domestic effluent discharge permits (site offices, construction camp); industrial • effluent discharge permits; • water use for dust suppression; and • water reticulation permits (pipelines). 	<p>Prevention of discharging contaminated water at unauthorised places particularly areas with shallow water table.</p> <p>Sustainable use of water resource</p>
Soil Conservation Act No. 76 of 1969	<p>To promotes the conservation and compacting of soil erosion</p>	<p>Uncontrolled movement of heavy vehicles and truck at areas surrounding the site may cause land degradation</p>
Water Resource Management Act No.11 of 2011	<p>The Act stipulates the prevention of both Surface and Ground water sources.</p>	<p>Oil spillage coming from mining equipment and transporting vehicles need to be minimised to avoid groundwater contamination.</p>



Legislation	Summary	Applicability to Assessment
Public Health Act no. 36 of 1919	The Act gives provision for the protection for the health of all people.	The noise and dust level emanating from the project could affect the surrounding community and vegetation in the vicinity.
National Heritage Act No.27 of 2004	The Act gives provision of the protection and conservation of places and objects with heritage significance.	The chance of finding Human Remains due to colonial history or crime, Artefacts, and or heritage materials at and around the mine site is probable
Local Authority Act No. 23 of 1992	This Act underlines the duties and functions of the Local Authority is be aware of activities such as mining within or adjacent to the boundary of the town.	All stakeholders affected by the operations of the project have been informed of the developments including that of undertaking the EIA.
Minerals (Prospecting and Mining) Act No 33 of 1992	Section 50 (i) requires “an environmental impact assessment indicating the extent of any pollution of the environment before any prospecting operations or mining operations are being carried out and an estimate of any pollution, if any, likely to be caused by such prospecting operations or mining operations”	The proposed activity is prospecting for minerals, hence it requires an EIA to be carried out and adhere to the act’s provisions.
Climate Change	Namibia is a signatory to United Nations Framework Convention on Climate Change (UNFCCC) (1994), the convention sets framework for intergovernmental Efforts	Use of heavy machinery that consumes hydrocarbons Burning of fuel for electricity generation



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Legislation	Summary	Applicability to Assessment
	to address challenge posed by climate change, such as carbon dioxide emission.	

5. ROLES & RESPONSIBILITIES

5.2 Environmental Compliance Officer (ECO)

This is an individual that represent the governing authority (MET). Depending on his/her work schedule, the ECO shall visit the site at any time for environmental inspection and monitoring.

5.2 The Proponent

The management hereinafter referred to as Adaptabiz Investment, shall assume overall responsibility to ensure full implementation of the EMP.

Further the proponent must ensure to;

- Appoint a site Manager
- Ensuring that all workers are inducted on safety measures
- Safer working environment
- Provide workers with Personal Protective Clothing
- Monitor the employees works with regard to safety
- Ensure employees understand the guidelines of the Environmental Management Plan (EMP)
- Ensure the environment is protected and
- Maintain healthy relationship with the neighbours

5.3 Site Manager (SM)

The Site Manager will be responsible for the monitoring of daily operations and ensure adequate adherence to the EMP. The Site Manager should ensure that a copy of the EMP is available at all project premises at all times. Further, an induction should be conducted with all employees and be made understand the provision of this EMP.



5.4 Employees

- Adhere to the EMP
- Ensure to wear personal protective clothing at all time when working
- Report worn out PPE and request for replacement
- Adhere to the Company rules and policies

6. DISCIPLINARY ACTION

The EMP is a legally binding document. Non-compliance to the EMP must result in punitive Legal action measure to be taken against the Proponent such as;

- Suspension of work,
- Financial penalties

The disciplinary action shall be determined according to the nature and extend of the non-compliance, and exact penalties are to be weighed against the severity of the incident.



7. THE ENVIRONMENTAL MANAGEMENT PLAN

The scope of this EMP is with reference to the EIA for the Pre-Construction, Construction, Operational and Decommissioning phase of the proposed project. This EMP is structured by considering Social, Environment and Safety and Occupational Health aspects associated with this project as summarised in table 7.1.

Table 7- 1: Environmental Social Management Plan (ESMP)

Activity	Objectives
A – Staff Induction	Induction
	Communication
B – Health and Safety	General safety at work place
	Road Safety
	Ablution facilities
	Dust and Noise Exposure
C – Pollution and Waste Management	Material waste, domestic waste, vehicle Parts etc.
	Vehicle emissions, Dust and Noise
	Hydrocarbon, Oil and Lubricant leakages
D – Environment	Water
	Ecology
	Rehabilitation
E – Cultural Heritage	Archaeology or Heritage
F – Socio-Economic	Employment
	Alcohol and Drug Abuse
	Working hours
	Capacity building
	HIV / AIDS

SECTION A: STAFF INDUCTION

Table 7- 2 : Staff Induction Mitigation Measures

Environmental or Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
Staff Induction	To ensure that all staff / employees are familiar with the requirements of the EMP	<ol style="list-style-type: none"> 1. All employees must attend a thorough and comprehensive induction course on all the provisions of the EMP. 2. Staff operating specialised equipment and heavy vehicle must be properly trained and informed of the potential risks 	<p>Induction Minutes and Attendance Register, Signed by each staff member</p> <p>Induction Report</p>	Management or Site Manager



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Environmental or Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		<p>associated with their tasks</p> <p>3. There must be an annual induction course for all the workers.</p> <p>4. New employees must not start work without taken through the induction course.</p>		
	Disciplinary	1. Company must adopt a disciplinary system to discipline staff for non-compliance, such as not using ablution facilities and disposing off waste uncontrollably etc.	Disciplinary meetings and actions	Management or Site Manager

Environmental or Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		2. Strict measure must be put in place, any employee found contravening provisions of the EMP, must be granted a warning letter.	Disciplinary letters / Warnings	
	Availability of the EMP on site for ease of reference	1. Ensure that a copy of the EMP is kept on site and accessible	Physical view of the EMP	Management or Site Manager



Environmental or Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
<p>Communication</p>	<p>To ensure effective communication</p>	<ol style="list-style-type: none"> 1. The mine must develop a communication strategy (Chanel and medium of communication) 2. Correspondences must be in writing 3. The contact numbers for the Site Manager and Team Leaders must be available displayed onsite in case of emergencies. 4. There must be an alarm bell for 	<p>Communication Strategy</p> <p>Letters, e-mail, Notices, Minutes</p>	<p>Management or Site Manager</p>



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Environmental or Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		emergency communication		

SECTION B: HEALTH AND SAFETY

Table 7- 3: Health and Safety Measures to be implemented

Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
General Safety at Work Place	<p>Ensure safety of workers</p> <p>Adhere to the Health and Safety Regulations, Government Notice 156/1997 (GG 1617)</p>	<ol style="list-style-type: none"> 1. Develop a Health and safety Plan 2. Occupational health and safety measures must be implemented in accordance to the Labour Act of 2007 and other relevant laws and legislation 3. NO firearms or weapons of any sort must be allowed on the work premises 	<p>Health and Safety included and reflected in the Induction Minutes</p> <p>Thorough inspection of the workers</p>	<p>Management or Site Manager</p>



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		<p>4. Train staff/employees on personal safety and how to handle equipment and machinery</p> <p>5. Provide protective gear for all site staff (helmets, safety shoes, overall reflective vests, hand gloves, ear muffs, dust mask etc.)</p> <p>6. Provide sufficient fire extinguishers and train staff on how to use them and must be well inspected at all time (at least every after 6 or 12 months)</p>	<p>Adequate protective gear for all staff</p> <p>Availability fire extinguishers and evidence training (e.g. minutes, training pictures etc.).</p>	



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		7. Smoking must only be permitted at designated sites with low risk to fire 8. Provide an adequate first aid kit to well-trained employees and Supervisors must undergo an occupational health and first aid course 9. Safety signs must be displayed around the mine premises	Availability of the first aid kit onsite	
Sanitation diseases hazard	Reduce health risks and environmental pollution	1. Provide adequate and clean ablution facilities for all staff. No faecal waste should be	Number of ablution facilities on site	Management and Site Manager



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		<p>discharged on the open environment</p> <ol style="list-style-type: none"> 2. Acts of secretion and urination, other than at the toilet facility provided, must be strictly prohibited. 3. Appoint a cleaner or rotate cleaning responsibilities among workers to ensure clean ablution facilities 4. Separate Male and female toilets 5. Inspect ablution facilities regularly 6. Supply safe drinking water 	<p>Reports of faecal secretion on site</p> <p>Visual inspection of ablution facilities</p> <p>Visual inspections</p>	



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
Air pollution	To reduce dust emission	<ol style="list-style-type: none"> 1. Adhere to the Labour Act No. 11 of 2007. 2. Non-toxic human dust exposure levels may not exceed 5mg/m³ for respiratory dust and 15mg/m³ for total dust. 3. No employees must be exposed to noise levels above the 85dB (A) limit over a period of 8 hours. Should the noise level be higher than 85dB (A), the employer must implement a hearing 	Number of poor health complains	



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		<p>conservation program such noise monitoring.</p> <p>4. Apply dust suppression method such as water spraying during cutting of marble blocks from the ore body</p> <p>5. Avoid working during windy times.</p> <p>6. Provide protective eye glasses, dust masks and ear muffs to all employees operating in a dusty or noisy environment</p> <p>7. Wet drilling is recommended</p>		



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
	To reduce Noise pollution	<ol style="list-style-type: none">1. Vehicles and machinery must be switched off when not in use2. Where possible, install silencer on vehicle and machinery exhaust to reduce noise levels3. Purchase equipment with low noise emission;4. Fit silencers on vehicle exhaust;5. Power generators must be containerized to suppress noise emission.		



Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
Road Accidents	To avoid road accidents during marble and machinery transportation	<ol style="list-style-type: none"> 1. Adhere to the Road Authority Act regarding the transportation of goods on public roads. 2. Movement of heavy and slow vehicles on C33 road must not take place during peak traffic hours to avoid traffic congestion. 3. Inform the Traffic Department at Karibib when transporting /operating abnormal machinery. 	Road accident report Damage to roads	Project Management and Site Managers



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Environmental / Social Aspects	Objective	Proposed Mitigation Measures	Monitoring Indicators	Responsibility
		4. Road maintenance by continuous recycled water spraying and grading or scrapping. 5. Do not operate heavy vehicles on wet roads		

SECTION C: POLLUTION CONTROL AND WASTE MANAGEMENT

Table 7- 4: Waste Management Mitigation Measures

Environmental / Social Aspect	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
Vehicle Emissions	Reduce greenhouse gas (GHG) emissions from vehicles / machinery	<ol style="list-style-type: none"> 1. All vehicles and equipment must be kept in good working condition and serviced frequently to prevent leakage and emission of poisonous smoke etc. 2. Switch off engines when vehicle is not operations 	Vehicle servicing records Reports of smoke emissions from machinery	Management or Site Manager
Handling, Storage and Disposal of	Prevent pollution from hazardous materials such as fuel, oil and lubricants	<ol style="list-style-type: none"> 1. Abide to the Draft Pollution Control and Waste Management Bill, Public Health Act No. 11 of 2007, Water Act No, 54 of 1956 and the 	Non-Compliance reports from organs of state	Management or Site Manager



Environmental / Social Aspect	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
<p>hazardous material</p>		<p>Petroleum Product and Energy Act No, 13 of 1990.</p> <ol style="list-style-type: none"> 2. There must be drums on concrete bunds to contain waste/used oil and lubricants. 3. Ensure all vehicle are well service and leak inspection are done 4. Provide drip trays to stationary vehicle 5. Servicing of vehicle must be done at an approved site 6. Re-fuelling, oil replacement must be done on concrete bund 7. Storage of fuel, oil and lubricants must be kept on banded structure 	<p>Visual Inspection</p> <p>Visual Inspection</p> <p>Visual Inspection</p> <p>Visual Inspection</p>	



Environmental / Social Aspect	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
		8. Bund and concrete slabs should be installed at each point where oils and lubricant are likely leak. 9. If an oil leak occur, collect the contaminated soil, store in appropriate container and dispose of at appropriate waste disposal site (e.g. Municipal disposal site)	Visual Inspection	
Handling, Storage and Disposal of non-hazardous waste	Proper disposing of welding, joinery and various construction and operational waste.	1. Non-hazardous waste must be disposed of at an approved site 2. All recyclable material must be transported to recycling companies	Visual Inspection	Management and Site Manager



Environmental / Social Aspect	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
	These will include, steel etc.			
Domestic Effluent	Adequate management of household sewage	<ol style="list-style-type: none"> 1. Ensure domestic effluent from ablution facilities must be are disposed of by trucks regularly to the waste treatment plant. 2. Abide to relevant laws and regulation 	Visual Inspection	Management and Site Manager
Water Pollution	Prevent surface and ground water pollution	<ol style="list-style-type: none"> 1. A dirty water collection system must divert water to a settlement pond that would be re-used in mine operations, such as dust suppression measures. 2. Oils, fuel and lubricants must be handled as stated above 	Visual inspection	Management and Site Manager

SECTION D: ENVIRONMENT
Table 7- 5: Environmental Mitigation Measures to be implemented

Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Party responsible
Water Resource Availability	The area receive less rainfall and conservation of underground water is eminent	<ol style="list-style-type: none"> 1. Ensure all used water are recycled and reused in the mining operations 2. Construct a water pond that would harvest rain water, and all rain water in the quarry pit must be well stored and used. 3. Implement measures of ground water infiltration to enable fast recharge of underground water 4. Water for domestic use must be recycled for use in the mine processes 	Borehole monitoring of the water table levels. Visible water harvesting pond Recycling plant/operation	Management and Site Manager

Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Party responsible
Biodiversity conservation Flora	Protect trees and other plants and only remove trees when necessary	<ol style="list-style-type: none"> 1. Only remove trees at the pit area 2. Bigger trees at the stock yards and waste rock area must not be removed 3. Do not plant alien trees 4. Don not harvest fire wood 	Inspection report	Management or Site Manager
Fauna	To protect wild animals and livestock	<ol style="list-style-type: none"> 1. Do not kill any animal, unless it is a threat to human life. 2. There must be zero tolerance to poaching of any wild animal or livestock in the area. 3. No weapons can be taken to the mine 	Visual Inspection Report on poaching	Management or Site Manager
Lights Vs. Wildlife	To preserve the natural environment at night, and to prevent scaring animals away	<ol style="list-style-type: none"> 1. There must be no open light during the night. 2. All pole lights must face downwards into the mine area 	Visual Inspection	Management and Site Manager



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Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Party responsible
Visual Impacts	To prevent an eye sore to the tourism industry	<ol style="list-style-type: none">1. After mine closure, buildings and structures must be dismantled and ensure adequate rehabilitation2. All waste rock must be disposed of into the quarry pit	Visual Monitoring	Management

SECTION E: HERITAGE AND ARCHEOLOGICAL SITES

Table: 7- 6: Archaeology and Heritage Mitigation Measures

Environment / Social Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Responsibility
Heritage Resources / artefacts	Preserve Heritage	<ol style="list-style-type: none"> 1. Workers must be go through an induction course of the possible archaeological find possible in the area 2. Establish a “Chance Find Procedure” where if any archaeological finding (Heritage rock painting and drawings), human remains or artefacts) during site activities is encountered; <ol style="list-style-type: none"> a. The activity must be stopped immediately and 	Sighting report/s of heritage resources / artefacts	Management or Site Manager



Environment / Social Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Responsibility
		<p>the operation manager of that activity be informed</p> <p>b. The manager oversee the cordoning off the area with a danger tape and take appropriate records and picture</p> <p>c. The manager must immediately report the findings to the National Museum (+264 61 276800) or the National Forensic Laboratory (+264 61 240461).</p>		



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Environment / Social Aspect	Objective	Proposed Mitigation Measure	Monitoring Indicator	Responsibility
		d. No artefacts must be removed or be interfered without prior authorisation from the Namibian National Heritage Council (NHC)		

SECTION F: SOCIO ECONOMIC

Table7- 7: Social Economic Mitigation Measures

Environmental / Social Aspects	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
Employment opportunities for Locals	Promote benefits to the local and marginalised community	<ol style="list-style-type: none"> 1. Recruit locals for unskilled labour 2. Where possible, procure materials from local suppliers 	Employee structure and proportion of local employment	Management or Site Manager
Alcohol and Drug use	Prevent alcohol and drug use	<ol style="list-style-type: none"> 1. Ban the use of alcohol and drugs at work place 2. Teach employees about dangers alcohol and substance abuse 3. All employees must be screen with the breathalyser to avoid intoxicated personnel on site 	Drunk / Misbehaving employees Breathalyser report Monitor presence of alcohol at the construction site	Management or Site Manager



Environmental / Social Aspects	Objectives	Proposed Mitigation Measures	Monitoring Indicator	Responsibility
Working hours	Adhere to the Labour Act No. 11 of 2007	1. Operate within the prescribed working days and hours as per the Namibian Labour laws and regulations	Verification of working hours against the labour Act	Management or Site Manager
HIV / AIDS	Provide HIV / AIDS awareness to employees	1. Provide HIV / AIDS awareness at induction 2. Avail Condoms at the mine site	Availability of condoms at construction site	Management or Site Manager



8. DECOMMISSIONING PHASE

To ensure environment management and human safety, the following must be undertaken at the end of the project life cycle.

1. The mine must not be abandoned
2. Employees, relevant authorities and public must be notified about the mine closure before time
3. Establish a mine closure plan for rehabilitation
4. Establish employees benefits after closure
5. Ensure that all contaminated materials must be properly cleaned before they disposed to approved sites. No burying of waste is permitted.
6. All building and installations must be demolished and be used to fill up the quarry.
7. The quarry must be filled to 30m from the surface to enable a health water harvesting body.
8. These works must be supervised by qualified and competed persons.
9. Further, it is recommended that an environmental specialist be hired to monitor environmental concerns during the decommissioning phase
10. Workers must be provided with all necessary PPE during demolition
11. Blasting would not be allowed during decommissioning



9. CONCLUSIONS AND RECOMMENDATIONS

Like any other resource extraction industry, it is expected that the construction and operation of the proposed mining operation would alter physical landscape of the environment with pits and waste rocks dumps. In many cases, these open pits, waste rocks may be an eye sore especially to the tourism industry. However, there are no tourism activities near the mine. Further, the overburden shall be backfilled into the mine pit after its exhausted. The mining operation does not pose an impact to the biophysical environmental, hence with adequate implementation of the EMP, the mining operation would not have adverse impacts.

Further the mine is expected to provide the much-needed employment especially to the locals and boost the economy of Karibib town.

Water is a scarce resource in Namibia, it is therefore recommended that, bi-annual reports of the water table levels in boreholes and quality must be submitted to the relevant authority for monitoring purpose.

EnvironClim strongly believe that, this study has identified all possible environmental impact and adequate mitigation measure were developed. It is recommended that the Environmental Clearance Certificate be issued with applicable condition.