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Form 1

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REPUBLIC OF NAMIBIA

ENVIRONMENTAL MANAGEMENT ACT, 2007 (Section 32)

APPLICATION FOR ENVIRONMENTAL CLEARANCE CERTIFICATE

PROJECT REGISTRATION



PART A: DETAILS OF APPLICANT

1. Name: (person or business):

Gergarub Exploration and Mining (Pty) Ltd

2. Business Registration / Identity No.:

Gergarub Exploration and Mining (Pty) Ltd: 2016/0011
Environmental Compliance Consultancy: CC/2013/11404

3. Correspondence Address:

P O Box 90757
Windhoek,
Namibia

4. Name of Contact Person:

Ms. Jessica Bezuidenhout

5. Position of Contact Person:

Principal Environmental Practitioner

6. Telephone No.:

+264 81 653 1214

7. Fax Number:

NA

8. E-mail Address: (if any)

info@eccenvironmental.com

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PART B: SCOPE OF THE ENVIRONMENTAL CLEARANCE CERTIFICATE

1. The environmental clearance certificate is for

Gergarub Mining Project on ML 245, within the //Kharas Region, Namibia

Listed activities triggered by the project include:

LISTED ACTIVITY	EIA SCREENING FINDING
<p>ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES The construction of facilities for: (1a) The generation of electricity. (1b) The transmission and supply of electricity.</p>	<ul style="list-style-type: none"> - The proposed Project will connect to the national power grid supplied by NamPower. - Alternatively, the Proponent may possibly consider developing a renewable energy plant (i.e., solar) for the generation of supplementary power
<p>WASTE MANAGEMENT, TREATMENT, HANDLING, AND DISPOSAL ACTIVITIES (2.1) The construction of facilities for waste sites, waste treatment, and waste disposal. (2.2) Any activity entailing a scheduled process referred to in the Atmospheric Pollution Prevention Ordinance, 1976. (2.3) The import, processing, use and recycling, temporary storage, transit or export of waste.</p>	<ul style="list-style-type: none"> - Facilities for mine and domestic waste disposal will need to be constructed. - In terms of the Atmospheric Pollution Prevention Ordinance, the bulk storage and handling of mineralised or metallic ore on waste dumps designed to hold 100 000 metric tonnes or more, is defined as a scheduled process
<p>MINING AND QUARRYING ACTIVITIES (3.1) The construction of facilities for any process or activities which requires a license, right or another form of authorization, and the renewal of a license, right or another form of authorization, in terms of the Minerals (Prospecting and Mining Act), 1992. (3.2) Other forms of mining or extraction of any natural resources whether regulated by law or not. (3.3) Resource extraction, manipulation, conservation and related activities.</p>	<ul style="list-style-type: none"> - This listed activity infers the provisions of the Minerals (Prospecting and Mining) Act 33 of 1992. The very nature of the Project is mining, which therefore triggers this listed activity.
<p>FORESTRY ACTIVITIES (4.) The clearance of forest areas, deforestation, afforestation, timber harvesting or any other related activity that requires authorisation in term of the Forest Act, 2001 (Act No. 12 of 2001) or any other law</p>	<ul style="list-style-type: none"> - Vegetation clearing will be required for site construction and infrastructure establishment. - During operations, vegetation clearing will be required as the Project develops. The necessary permits will be acquired as needed
<p>WATER RESOURCE DEVELOPMENT</p>	<ul style="list-style-type: none"> - An estimated amount of water that will be

LISTED ACTIVITY	EIA SCREENING FINDING
<p>(8.5) Construction of dams, reservoirs, levees, and weirs.</p> <p>(8.6) Construction of industrial and domestic wastewater treatment plants and related pipeline systems.</p>	<p>required by the mine monthly is 81 000 m³ which will be supplied from the Orange River by NamWater via +/- 20km 200 NB pipeline.</p> <ul style="list-style-type: none"> - Construction of a wastewater treatment plant.
<p>HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE</p> <p>(9.1) The manufacturing, storage, handling, or processing of a hazardous substance defined in the Hazardous Substances Ordinance, 1974.</p> <p>(9.2) Any process or activity which requires a permit, licence or other form of authorization, or the modification of or changes to existing facilities for any process or activity which requires amendment of an existing permit, licence or authorization or which requires a new permit, licence or authorization in terms of a governing the generation or release of emissions, pollution, effluent or waste.</p> <p>(9.4) The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.</p>	<ul style="list-style-type: none"> - Both fuel and hazardous substances are required for mining and processing activities. - Bulk fuel may be required for onsite for refuelling the mining fleet. - Consumer installation certificates are required for bulk fuel storage and dispensing. - Hazardous reagents will be used within the extraction and processing plant,
<p>INFRASTRUCTURE</p> <p>(10.1) The construction of:</p> <p>(g) communication networks including towers, telecommunications and marine telecommunication lines and cables</p>	<ul style="list-style-type: none"> - The Proponent may possibly consider developing a telecommunication tower.

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

Title of the activity:

Gergarub Mining Project on ML 245, within the //Kharas Region, Namibia

Nature of activity:

Gergarub Exploration and Mining (Pty) Ltd holds a mining licence (ML 245) Gergarub is located on the farm Spitskop 111, along the C13 road between Rosh Pinah and Aus within the Oranjemund Constituency. It lies approximately 10km southeast of Skorpion Zinc Mine and 15km northwest of Rosh Pinah Mine. Gergarub Exploration and Mining (Pty) Ltd proposes to construct and operate an underground zinc, lead and silver mine on ML 245.

Scale and scope of activity:

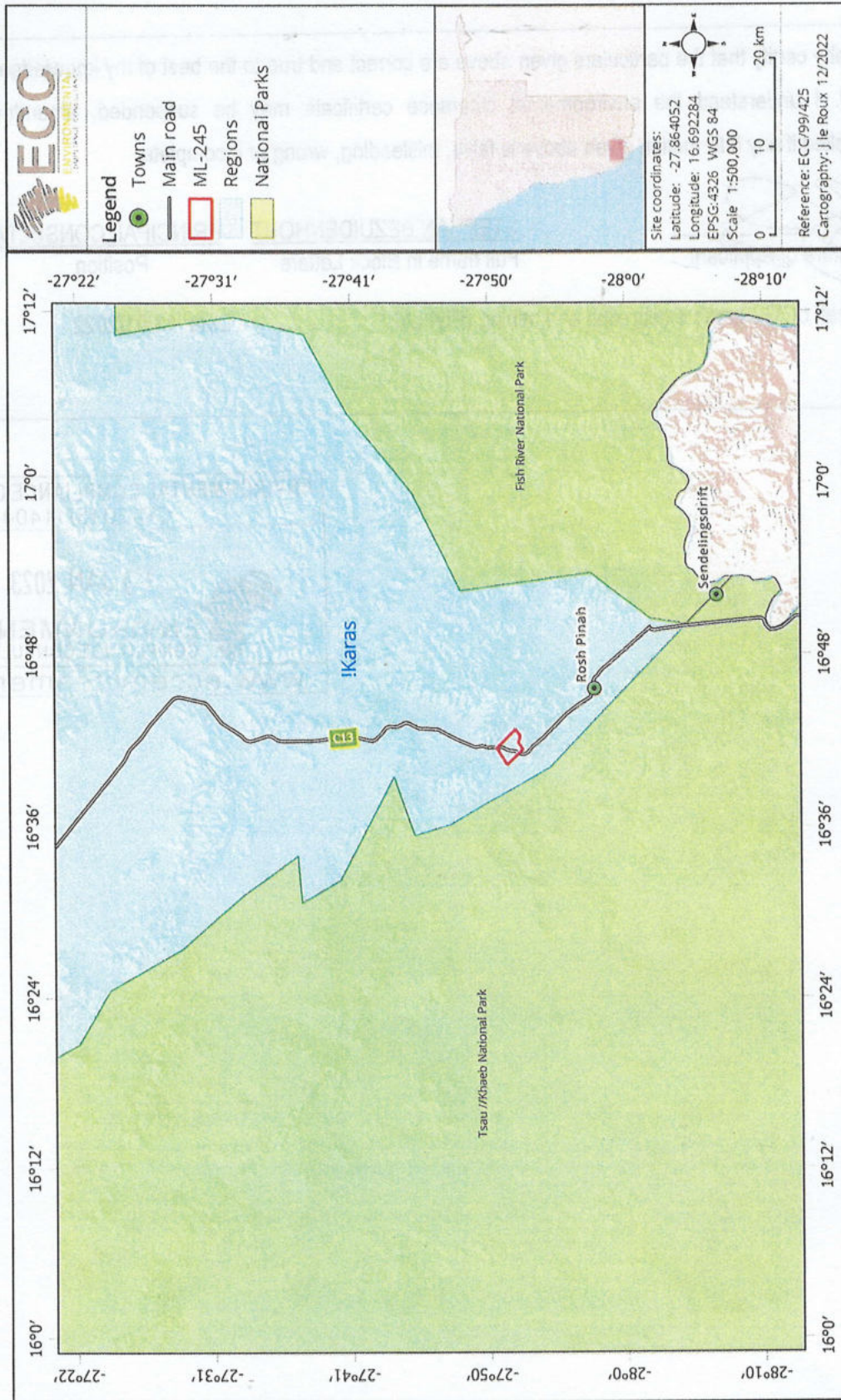
The mining method for Gergarub will be long hole open stoping (LHOS) with backfill, mining stopes in an overhand (bottom-up) extraction sequence. LHOS will be supplemented with Drift and Fill (DAF) mining which will be used to mine the orebody extremities and maximize the overall recovery of the Mineral Resource estimated at 18.1 Mt.

Ore will be sourced from five moderate to shallow-dipping mineralized ore zones (OZ), separated into two distinct mining areas. Backfill will be used for areas where fill is required. The mine will be accessed via a decline located in a position so that it can be directed into the side of a hill, thus minimizing the amount of development that would need to be done in the soft overburden Gergarub will construct and commission a 1.0 Mtpa concentrator at Gergarub to process the mined ore. Specifications for the concentrator will be aligned with the RPZC concentrator.

In broad terms the mine and related infrastructure will comprise of the following:

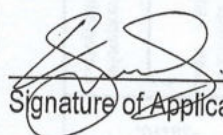
- Underground mine infrastructure
- Main power sub-station
- A trackless mobile equipment and machinery workshop, parking and tyre bay
- A main surface workshop
- General engineering workshop facilities
- Wastewater treatment facility
- Tailings Storage Facility
- Offices on the surface for the administration of the mining operations
- Additional housing: to be built in Rosh Pinah

FIGURE 1 – LOCATION OF MINING LICENCE AREA



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

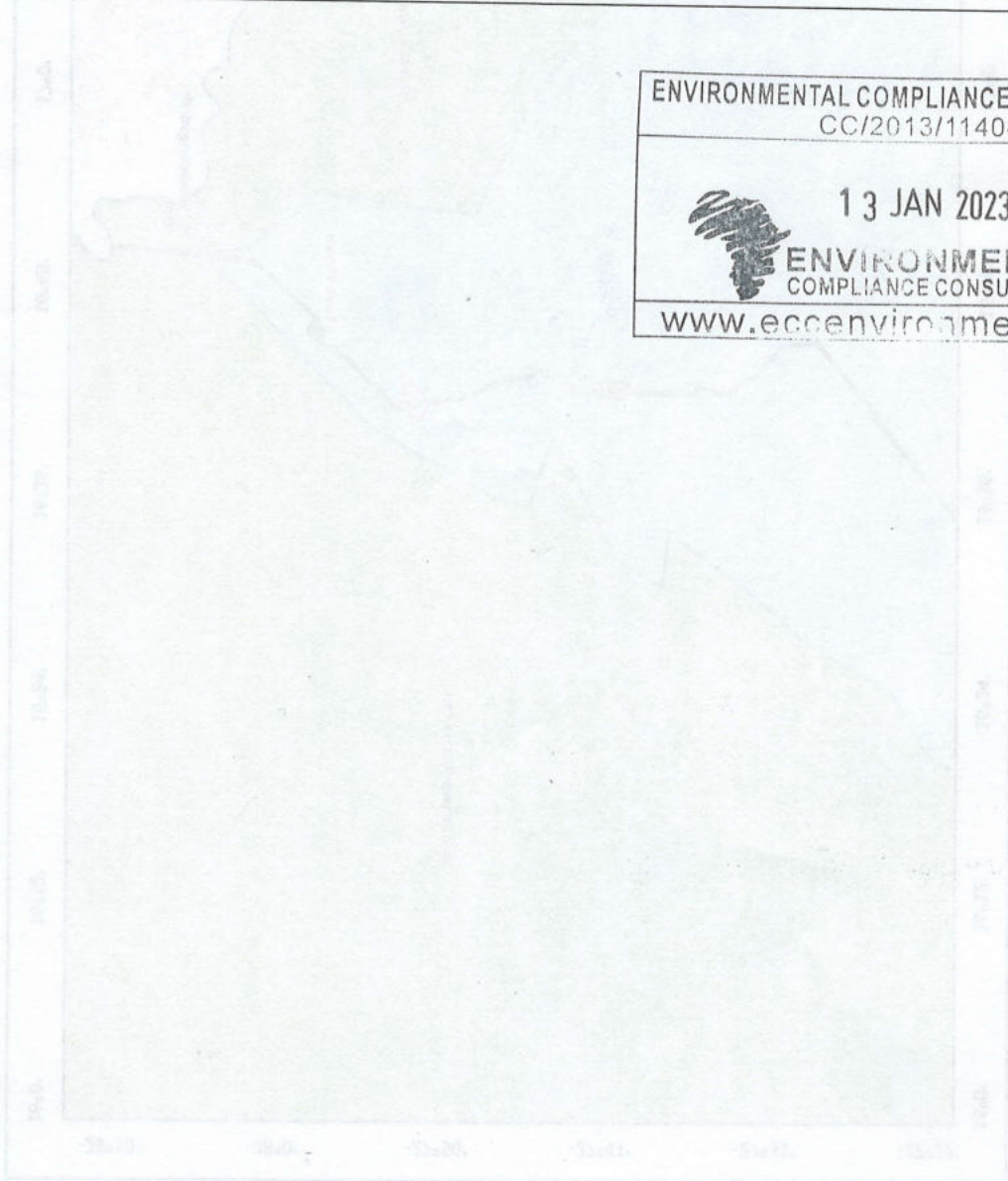
STEPHAN BEZUIDENHOUT
Full name in Block Letters

PRINCIPAL CONSULTANT
Position

On behalf of: Gergarub exploration and mining (Pty) Ltd

Date: 13/01/2022

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	13 JAN 2023
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