

BACKGROUND INFORMATION DOCUMENT (BID)

A Background Information Document (BID) is an initiating document, which provides Interested and Affected Parties (I&APs), including the relevant Competent Authorities (CA's), with relevant information about the proposed project and invites Interested and Affected Parties (I&AP) to participate in the EIA process.

Environmental Impact
Assessment (EIA) for Mining
Claims (MCs) 75089, 75090
75091, 75092, 75093 and 75094
in Kunene Region-Namibia.

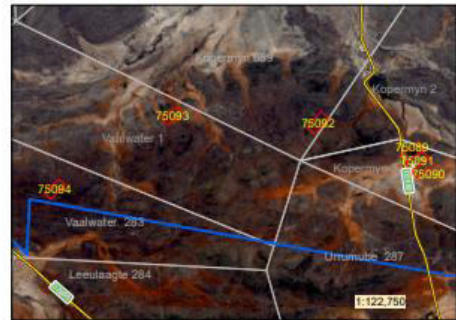
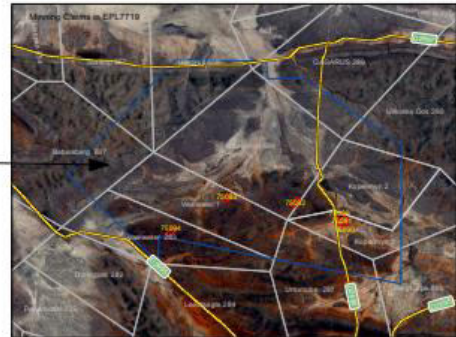
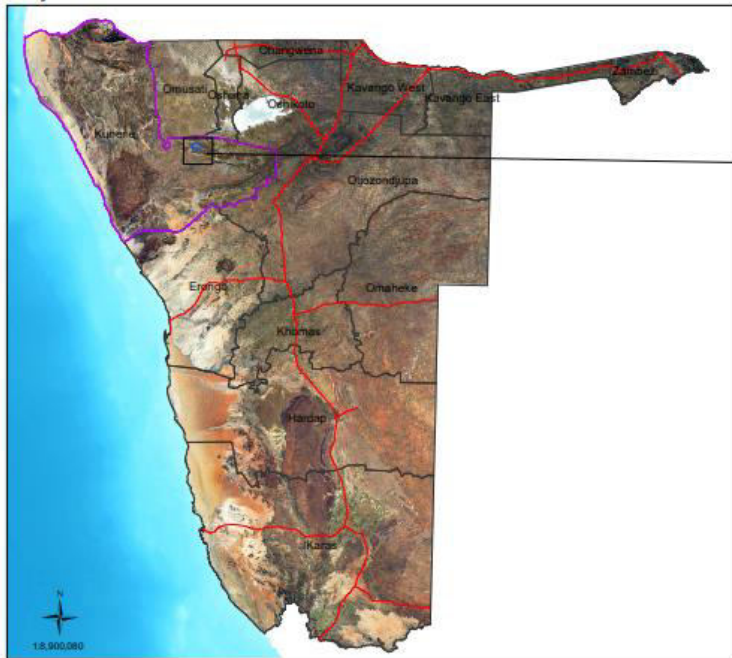
PROJECT BACKGROUND

JG Mining (PTY) LTD (JGM) (Project Proponent) has lodged an application with the Ministry of Mines and Energy (Namibia) to undertake mining operations on mining claims (MCs) 75089, 75090, 75091, 75092, 75093, and 75094. JGM plans to develop base and earth metals in Kunene Region, Namibia. The total and combined surface area of the six (6) mining claims is 97 hectares (ha). Mechanical extraction and processing will be assumed in view of beneficiation objectives set by JGM. To satisfy the requirements of Namibia's *Environmental Management Act No.7 of 2007*, JGM appointed Cuvepalm Consulting cc (CPC) to conduct the Environmental Impact Assessment and to apply for an Environmental Clearance Certificate.

PROJECT LOCATION

The proposed project site lies about 450 km north west of Windhoek by road and is situated approximately 67 km north-east of Kamanjab (Kunene Region). Access to exploration site can be obtained by gravel roads turning off from the National Road C40 linking the towns of Kamanjab and Outjo.

Project Location in Namibia



Legend	
	Trunk/Roads
	District/Roads
	EPL 7719
	Farm
	Project Area
	MINERAL LICENSE CLAIMS
	Region Boundary
	Farm Portion
	Kunene Region

CUVEPALM CONSULTING
environmental services



PROJECT DESCRIPTION

The project will be conducted in phases. Activities under each project phase and operational requirements anticipated for the project: are specified below.

Construction/Operational Phase

Mining operations will be conducted with the view of winning the mineral and evaluating or concentration of base and rare earth minerals.

Mechanical pitting & trenching: Shallow excavations will be made. Stripping will involve the removal of overburden material overlaying mineralized zones. A hydraulic backhoe excavator and bulldozer will be used to excavate and move over burden material. Trenches will be excavated mechanically up to a maximum depth of 3 meters.

Material Crushing: Existing rock waste dumps that are a result of past exploration and mining activities will be investigated for mineral occurrence and beneficiation. Material will be sized. A primary crusher unit and screen will be erected.

Water abstraction & Use: Water will be sourced from existing boreholes. Approximately 5000 liters of domestic and for processing plant will be needed per day. This amount of water is also aimed at suppressing dust around tipping areas and vehicle tracks.

Waste management: Waste material generated will be in the form of rock material (non-mineral) and derived from trenching. And processing. Insignificant amounts of domestic waste and mining waste will be generated. Domestic or general waste will be transported from the MC's area to an approved land fill site.

Sewage Management: During exploration, sufficient portable chemical toilets will be provided for workers and appropriately emptied according to their manufacturer's operational standards and legislated occupational sanitary provisions. Licensed waste contractors will provide sewage removal

Labour sourcing: Temporary employment opportunities will be created during the duration of MC development. Most labourers will be sourced from Kamanjab Town, approximately 35 km (horizontal distance) from the project site. The exact number of people to be employed could not be secured at the time of preparing this report as work will be outsourced to contractors as per JGM procurement policy. Contractors will determine the exact number of the workers required. However, employment of local locals will be promoted

Site Rehabilitation: Dug out trenches will be back filled with waste rock (gangue). Stockpiled top soil will be returned to the backfilled areas. Where feasible, working areas (old dump sites) deemed will be re-vegetated and returned practically and reasonably close to pre-mining state. Rehabilitation will be done concurrent with development.

Equipment, Materials and Services: Construction equipment will be sourced from contractors proximate to the project site. A mobile processing plant will be erected proximate to MCs (75089, 75091, 75090) at farm Kopermyn. A modular pilot plant will be used to facilitate research and development with the ultimate aim of mineral beneficiation. Material will be screened, aiding recovery of valuable minerals from old tailings dumps within MCs. Where deemed essential, equipment will need to be sourced from elsewhere in the country and/or abroad as per the required and approved operating standards. Front end - loaders will be used to load the excavated material on to dumper transporting to processing plant. Key features of the proposed plant and process flow diagram (conceptual) are detailed below.

Table 1: Key features of the proposed beneficiation plant

Component(s)	Description
1. Proposed Capacity	<ul style="list-style-type: none"> • Processing capacity of up to 120 tons per hour depending on size distribution of Run of Dump material to be fed. • Capacity is defined according to the rate at which the system will consume and process a stockpile of raw feed material.
2. Feed Material	<ul style="list-style-type: none"> • Dry and/or wet material with moderate moist content. • Feeder can accept large quantities with 15mm being scalped-off as oversize. • -15mm material is fed from the Feeder to the Scrubber.
3. Conveyor	<ul style="list-style-type: none"> • 14m conveyor for removal of oversize material from screening process so that material can be stockpiled and removed in a convenient and efficient manner.
4. Electrical Control	<ul style="list-style-type: none"> • Independent control cabinet fitted with digital frequency controllers for soft-start and speed control of all applicable motors.
5. Electrical Supply	<ul style="list-style-type: none"> • 75kVA generator is sufficient for typical installations (excluding water pump). • Generator sizing will be based on final equipment selection and must take into consideration any additional equipment to be run as well as startup.
6. Feeder(Options)	<ul style="list-style-type: none"> • Option 1 - an excavator-fed, vibrating feeder mounted on a skid base for standard container shipping. Ideal for dry or moist material containing gravel. • Option 2 -a static feeder which can be fed by excavator or loader with one row of scalping grizzly-bars and including an operator platform. Mounted on a skid base for standard container shipping. Ideal for wet or dry material where gravel and clay are present. • Option 3 - an excavator-fed, high-capacity hopper/conveyor feeder ideal for dry material.
7. Scrubber	<ul style="list-style-type: none"> • Mobile, three chamber rotary trommel scrubber designed for high retention / aggressive scrubbing sand and clay. Scrubber Feed Chute, Trommel and Discharge all fitted with replaceable wear liners.
8. Water Requirements	<ul style="list-style-type: none"> • Requires water supply of approximately 2000 to 5000 liters/hour at a pressure of approximately 310 kPa (45psi). Water Supply is connected via a 6" hose to the inlet on the Water Manifolds (splitter box).
9. Water Manifolds	<ul style="list-style-type: none"> • 2 water control manifolds with fittings for connection to supply pump and valves for distribution of water to Feeder, Scrubber, Screen, Slurry Distributor, Sluices.
10. Screening (options)	<ul style="list-style-type: none"> • Double-drum rotary screen integrated with Scrubber. • Frame mounted, Spiral Plant: • Screens are fitted with replaceable rubber and urethane screening panels which are selected to size material specifically applicable conditions.
11. Slurry Distributer	<ul style="list-style-type: none"> • Slurry control system which takes undersize slurry from screening process and pump to splitter box, ensuring proper control and balancing of splitter box outlets.

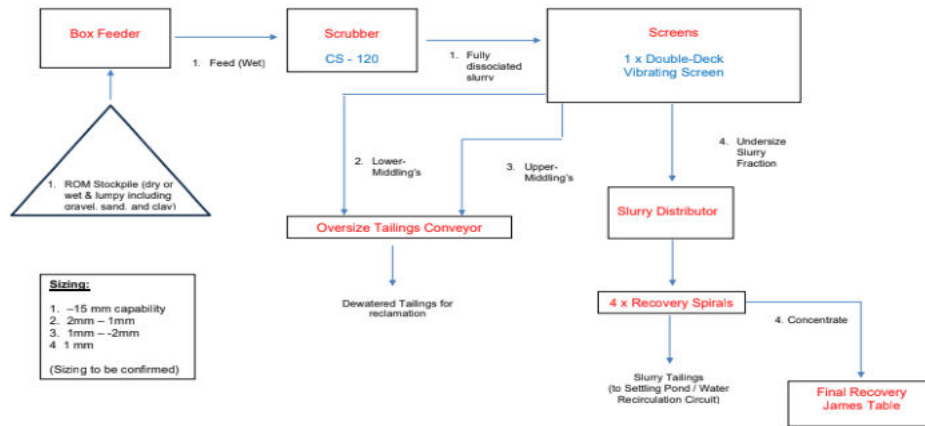


Figure 1 Plant Process Flow Diagram

Decommissioning/Closure Phase:

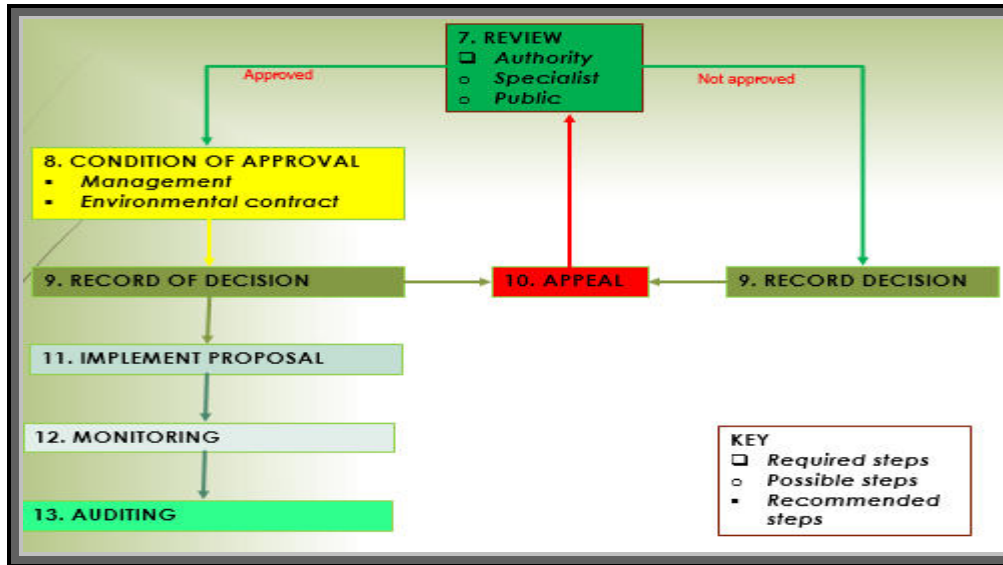
This phase will involve the removal of equipment and dismantling of facilities and safe closure. At project closure, the working sites will be rehabilitated.

ANTICIPATED PROJECT IMPACTS

Potential Impacts	Assessment to be Undertaken
Negative Impacts	
Land Use Change impacts (minor disruptions of farm operations on localised areas)	Baseline Assessment and Sensitive Receptors Mapping
Impacts on fauna and Flora (Displacement)	Vertebrate fauna (wildlife) and flora (vegetation) baseline assessment
Impacts on surface and groundwater resources (pollution and groundwater abstraction)	Surface and Groundwater Assessment
Air Quality Impacts (Dust and Noise generation)	Baseline assessment
Health and Safety hazards	Baseline assessment
Impacts of social values(migration)	
Cumulative impacts of the project Operation	Construction Environmental Compliance Monitoring and Reporting
Positive Impacts	
Employment creation	Business Linkages
Boost in Local economy	
Resource consumption	

PUBLIC PARTICIPATION

Public consultation form part of the EIA process as depicted in the diagram below.



EIA Process: MEFT-Namibia

Interested and affected parties are thus kindly invited to provide comments. Without any limitation, suggested topics to comment on are as follows:

- Defining significant adverse impacts and specific mitigation measures that should be considered to avoid or minimize impacts
- Alternatives (location, technology etc) that need to be considered.
- Licenses or other approvals that may be required in respect of project
- Environmental information, policy guidelines, or reports relevant to the development
- Potential socio-economic benefits
- Known or pending disputes that are likely to be associated with the proposed development.

- Areas or concerns that require in-depth analysis
- Other stakeholder to be consulted

DEADLINE FOR SUBMISSION OF COMMENTS

The deadline for submission of comments is on or before **20 December 2023**. For electronic comments (SMS, WhatsApp, E-mail) kindly write: **'Comments: Mining Claims 75089-75094'** in subject line. Kindly submit comments to our contacts below:

CONTACT DETAILS:

You can send all your comments and enquiries to the following:

Cuvepalm Consulting cc (EAP)
Cell: +264 0814905519
Email: ml26nam@gmail.com or projects@cuvepalm.info

'With great appreciation we eagerly look forward to your comments'

