



Reference No: CZ Sand Mine (Pty) Ltd

Mining Permit Application

Department of Mineral Resources
The Box, 15th Floor
c/o Lower Burg and Riebeeck Street
Cape Town
8000

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18 March 2025

Attention: Regional Manager

Dear Mr P Swart

RE: SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORISATION AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE ENVIRONMENTAL SENSITIVITY FOR THE MINING OF SAND ON A PORTION OF THE REMAINING PORTION OF THE FARM RHENOSTERKOP NR 155, BEAUFORT WEST DISTRICT, WESTERN CAPE PROVINCE APPLICANT: CZ SAND MINE (PTY) LTD.

Herewith please receive the screening report for an environmental authorisation, as required in terms of the 2014 NEMA EIA Regulations of a portion of the remaining portion of the Farm Rhenosterkop nr 155, Beaufort West District, Western Cape Province.

The report identified the following list of specialist assessment for inclusion in the assessment report:

- Agricultural Impact Assessment;
- Archaeological and Cultural Heritage Impact Assessment;
- Paleontology Impact Assessment;
- Terrestrial Biodiversity Impact Assessment;
- Aquatic Biodiversity Impact Assessment;
- Hydrology Assessment;

the goal isn't to live forever, it is to protect a planet that will

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- Noise Impact Assessment;
- Radioactivity Impact Assessment;
- Traffic Impact Assessment;
- Geotechnical Assessment;
- Socio-economic Assessment;
- Plant Species Assessment;
- Animal Species Assessment.

CZ Sand Mine (Pty) Ltd appointed Greenmined Environmental (Pty) Ltd as the environmental impact assessment practitioner (EAP) to undertake the EIA associated with the mining permit application. In light of this Greenmined would like to respond as follows to the list of required specialist studies:

- Agricultural Impact Assessment (AIA):

The portion of the remaining portion of the Farm Rhenosterkop nr 155, Beaufort West District, Western Cape Province situated in the Beaufort West magisterial district of the Western Cape Province is over an undisturbed area of the farm. The agricultural potential of the farm will be assessed as part of the EIA, and a Soil Specialist has been appointed to conduct an AIA.

- Archaeological and Cultural Heritage Impact Assessment (HIA) & Paleontology Impact Assessment (PIA):

The Beaufort West region is known as a palaeontological sensitive area, and therefore a palaeontological impact assessment with heritage impact assessment will form part of the EIA process. A Notice of Intent to Develop will also be submitted to Heritage Western Cape for their perusal and commenting.

- Terrestrial Biodiversity Impact Assessment (TBIA) & Animal Species Assessment (ASA):

An ecologist conducted a previous study of an area adjacent to the proposed footprint area. The specialist confirmed that the scope included the new proposed area and has provided a motivation letter in support to use the initial report, these findings will be available as part of the EIA documentation.



- Aquatic Biodiversity Impact Assessment (ABIA) & Hydrology Assessment (HA):

The proposed area falls within a very high aquatic sensitivity and ESA 1- Aquatic area. The proposed access road intersects with more than 2 drainage lines for which the client already holds a water use in terms of Section 21 of the NWA, 1998. an Aquatic Specialist will be appointed and findings will be included in the EIA documentation.

- Noise Impact Assessment (NIA):

The potential impact on the noise ambiance of the receiving environment is expected to be of low significance and representative of the machinery already operational on the property. Due to the small scale of operation a (NIA) is not deemed applicable.

- Radioactivity Impact Assessment

A radioactivity impact assessment is not deemed necessary for the proposed mining operation that will not store any chemicals on site, perform activities of radioactive nature or generate hazardous waste of radioactive nature.

- Traffic Impact Assessment (TIA):

Access to the proposed mining area will be via the N1, making use of the existing internal/haul roads to access the mining area. Haul roads will be extended as the sand mine progress and will be rehabilitated as part of the final reinstatement of the area. Trucks delivering the materials to the destinations will take the N1 national route. In light of the small scale of the proposed operation a TIA is not deemed necessary, should the Applicant implement the mitigation measures to be proposed in the EMP.

- Geotechnical Assessment:

No reason for a geotechnical assessment could be identified as no permanent infrastructure will be established in the proposed mining area.



- Socio-economic Assessment (SEA):

The sand to be removed from the mining area will be used for local construction, building projects and possible renewable energy projects in the vicinity. The proposed permit will therefore contribute to the upgrading / maintenance of road infrastructure and building contracts in and around the Beaufort West area. The proposed sand mine will be operated on an area with medium agricultural potential. Should any additional workers to be required on this mining activity they will be sourced from the local community. Workers will daily be transported to the site. The establishment of the mining area on the farm will also assist the property owner in the diversification of their income. considering this a (SEA) is not deemed applicable to this project.

- Plant Species Assessment:

According to Mucina and Rutherford (2012) the expansion area extends over two vegetation types known as the NKI 1 Gamka Karoo and the NKu 2 Upper Karoo Hardeveld. Both is classified as Least Threatened. According to the Cape Farm Mapper – the area is classified as an Other National Area (ONA). An ecologist will be appointed to conduct a vegetation study of the proposed footprint area. This report will be available as part of the EIA documentation.

Considering the above mentioned, we propose that no further specialist studies are currently deemed applicable to the proposed mining operation.

We trust you find this in order. Please do not hesitate to contact me in the event of any uncertainties.

Kind Regards

A handwritten signature in black ink, appearing to read 'M. Saal'.

Murchellin Saal
Greenmined Environmental