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SITE SENSITIVITY VERIFICATION REPORT

PROJECT DESCRIPTION: A PROPOSED PROSPECTING ACTIVITIES FOR MANGANESE AND IRON ORE ON THE REMAINING EXTENT OF FARM POMPIES HOEK 63 CERES SITUATED WITHIN THE JURISDICTION OF WITZENBERG LOCAL MUNICIPALITY, CAPE WINELANDS DISTRICT IN THE WESTERN CAPE PROVINCE.

NAME OF APPLICANT: Orren Capital (Pty) Ltd

FARM NAME: Pompies Hoek

COMMODITY: Manganese and Iron ore

MAGISTERIAL DISTRICT: Ceres

DATE: January 2022

DMR REFERENCE NUMBER: WC 30/5/1/1/3/2/10376 PR

1. INTRODUCTION:

This Site Sensitivity Verification (SSV) Report was undertaken in terms of the Protocols for the Assessment and Minimum Criteria for Reporting on identified Environmental Themes (referred to “the Protocols” hereafter) as per Government Notice No. 320 (published in Government Gazette No. 43110 on 20 March 2020). These Protocols, effected as on the 9th of May 2020, must be complied with for every new application submitted after the effective date. According to the Protocols, the EAP must verify the current use of the proposed site for development as well as the site’s environmental sensitivity, in accordance with the DEA Screening Tool (Appendix F), to determine the need for specialist inputs in relation to the themes (and proposed specialist assessments) included in the Protocols.

In addition, this report addresses the findings of the Screening Tool Report (Appendix F of the BAR), generated from the National Web Based Environmental Screening Tool, and provides a motivation for the various specialist studies identified to be conducted. It also discusses whether the specialist studies forming part of this project are required to comply with the above Protocol. As per the Screening Tool Report (Appendix F), the proposed site is located within a low sensitivity area from an agricultural perspective, a high sensitivity area from an animal species perspective, a very high sensitivity area from an aquatic biodiversity perspective, a low sensitivity area from a civil aviation perspective, a medium sensitivity area from a plant species perspective, a low sensitivity area from a defense perspective and a very high sensitivity area from a terrestrial biodiversity perspective.

2. EXECUTIVE SUMMARY

Orren Capital (Pty) Ltd, applied for environmental authorisation (EA) and a prospecting right of manganese and iron ore on a vacant area of the farm occasionally used for grazing on the remaining extent of farm Pompies Hoek 63 Ceres RD, situated within the jurisdiction of Witzenberg Local Municipality, Cape Winelands District in Western Cape Province. The prospecting method will prospect for manganese and iron ore utilising core drilling and ore sampling. Drilling will be conducted on specified drilling points depending on available site within the farm portions.

The proposed Prospecting area is approximately 4766,2751 ha in extent and the applicant, intends to win material from the area for at least 6 months. The proposed prospecting operation will therefore contribute to the upgrading / maintenance of road infrastructure and building contracts in and around the area. The proposed project triggers listed activities in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) and the Environmental Impact Assessment Regulations 2014 (as amended 2017) and

therefore requires an environmental impact assessment (basic assessment process) that assess project specific environmental impacts and alternatives, consider public input, and propose mitigation measures, to ultimately culminate in an environmental management programme that informs the competent authority (Department of Mineral Resources and Energy) when considering the environmental authorization. This report, the Final Basic Assessment Report, forms part of the departmental requirements, and presents the first report of the EIA process.

3. DETAILS OF THE EAP AND APPLICANT

PARTICULARS OF ENVIRONMENTAL CONSULTANT	PARTICULARS OF APPLICANT
<p>TPR Mining Resources (Pty) Ltd Contact: Mr. Thato Ramoraswi No:29J Woltemade street Witbank,1035 Mobile: 081 529 2539 Fax: 086 599 3318 Email: info@tprmining-resources.co.za</p>	<p>Orren Capital (Pty) Ltd Contact: Mr. Orren Fritz 21 Bafield Road, P O Box 61, Roodepoort, 1725 Mobile: 081 351 1046 Fax: 086 599 3318 Email: fritz@orrencap.co.za</p>

4. METHODOLOGY:

The Site Sensitivity Verification (SSV) report was compiled based on desktop studies [including the Western Cape Biodiversity Spatial Plan, google earth imagery, historical imagery) in combination with a site visit to investigate, identify, and evaluate potential impacts, associated with the proposed development, on the receiving environment (namely the proposed site for development). The SSV report was compiled by the EAP (Mr. Thato Ramoraswi).

5. OBJECTIVES OF THE SSV REPORT

The aim of the SSV Report is to;

- Verify land use and theme sensitivities as identified by the DEA Screening Tool;
- Confirm or disconfirm the need for a particular specialist assessment(s) as indicated by the DEA Screening Tool; and
- Should the need for a specialist assessment be challenged, provide a motivation as to why the proposed a particular theme(s) is not applicable to the proposed development.

6. PROJECT DESCRIPTION

Orren Capital (Pty) Ltd intends to prospect for Manganese ore and iron ore utilising core drilling and ore sampling. Drilling will be conducted on specified drilling points depending on available site within the farm portions.



7. DISCUSSION OF SCREENING TOOL REPORT RESULTS

As per the Screening Tool Report (Appendix F), the proposed site is located within a low sensitivity of relative agriculture, high sensitivity of relative animal species, very high sensitivity of relative biodiversity theme, very high sensitivity of archaeological and cultural heritage theme, low sensitivity of civil aviation theme, low sensitivity of relative defence, very high sensitivity of relative paleontology theme, medium sensitivity of plant species and very high sensitivity of terrestrial biodiversity theme

Based on the above detailed sensitivities, the Screening Tool Report identifies and recommends the following specialist assessments:

1. Agricultural impact Assessment
2. Archaeological and Cultural Heritage Impact Assessment
3. Paleontology Impact Assessment

4. Terrestrial Biodiversity Impact Assessment
5. Aquatic Biodiversity Impact Assessment
6. Hydrology Assessment
7. Socio-Economic Assessment
8. Plant Species Assessment
9. Animal Species Assessment
10. Noise impact Assessment
11. Radioactivity Impact Assessment
12. Traffic impact Assessment
13. Geotechnical Assessment

Table 1.1: Summary of specialist report

SPECIALIST INVESTIGATION	CONDUCTED Y/N	EXPLANATION
Agricultural impact Assessment	NO	The area around the site is characterized as a disturbed and vacant area as de-vegetation was undertaken some time ago for various purposes and the area is of low agricultural sensitivity. So AIA is not necessary
Archaeological and Cultural Heritage Impact Assessment and Paleontology Impact Assessment	NO	<p>A Notice of Intent to Develop (NID) was submitted to Heritage Western Cape (HWC) in December 2021, so we still awaiting for response as to whether an Archaeological Impact Assessment nor a Paleontology Impact Assessment should be undertaken, but there are of very high sensitivity.</p> <p>Protection of Cultural or Heritage Artefacts Immediately stop work should any evidence of human burials or other heritage artefact be discovered during the execution of the activities. Notify Heritage and the ECO immediately.</p>
Terrestrial Biodiversity Impact Assessment	NO	The site comprises of very high sensitivity but in this case, prospecting will only take place in vacant areas close to the access road in order to determine the viable of the mentioned commodities and all sensitive

		areas will be demarcated with 100m buffer zones.
Aquatic Biodiversity Impact Assessment	NO	As the aquatic biodiversity is found to be of very high sensitivity, prospecting will take place 100m from all the watercourses that may exist on-site.
Hydrology Assessment	NO	The proximity of the watercourses existing around the site are more the 5km and will not be affected by the proposed operation
Socio-Economic Assessment	NO	The positive and negative socio-economic impacts of the proposed development are provided in the Basic Assessment Report. It is not deemed necessary that a separate Socio-Economic Assessment be undertaken at this time.
Plant Species Assessment	NO	The prospecting activities will undertake in a mountainous area and already has a functional access road so it is not deemed necessary to conduct a plant assessment as there wouldn't be any plant species (medium sensitivity) that will be affected by the prospecting operation as it will occur in a small part of the boundary.

Animal Species Assessment	NO	A fauna study has not been conducted as part of the assessment process thus far as it is deemed unlikely that any endangered animal species would be found on the site due to that as soon as drilling take places, animals will run away from the noise.
Noise impact Assessment	NO	The area will experience a medium significance of noise due to that prospecting will undertake on the open and mountainous area whereby there are no household nearby that may be affected. Due to the small scale of the operation a NIA is not deemed applicable.
Radioactivity Impact Assessment	NO	A RIA for the proposed prospecting was not conducted due to that no chemical storage will be installed on-site to perform activities of radioactive nature or generate hazardous waste of radioactive nature only temporal infrastructure such as toilets which will be disposed to a registered landfill.
Traffic impact Assessment	NO	The Applicant will use the existing road R303 connecting to a gravel road to access the prospecting area. No upgrading of the road is needed prior to commencement and prospecting will take place for some few months. In light of the small scale of the proposed operation a TIA is not deemed necessary.
Geotechnical Assessment	no	No permanent infrastructure will be established at the proposed prospecting site so a geotechnical assessment is not deemed necessary.

