

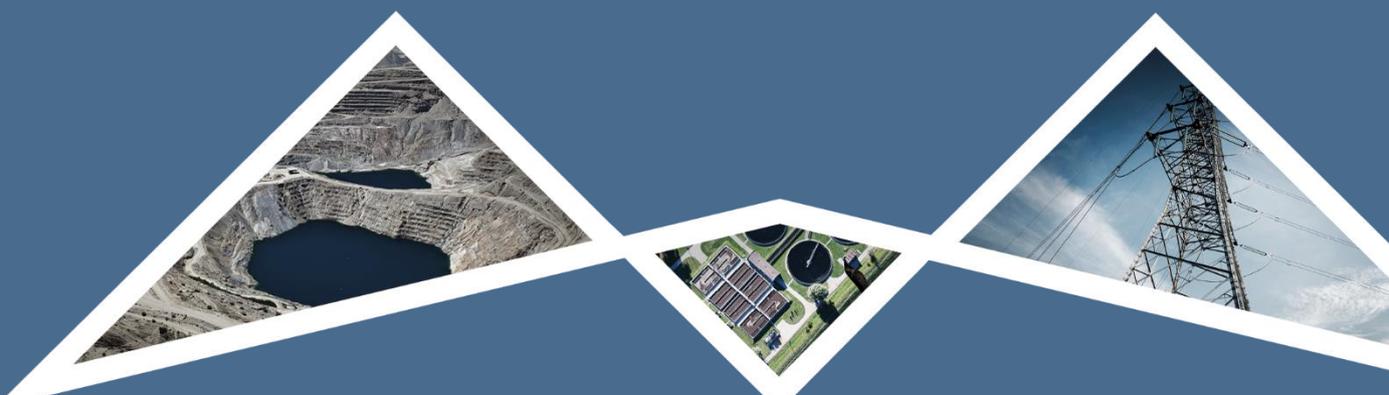


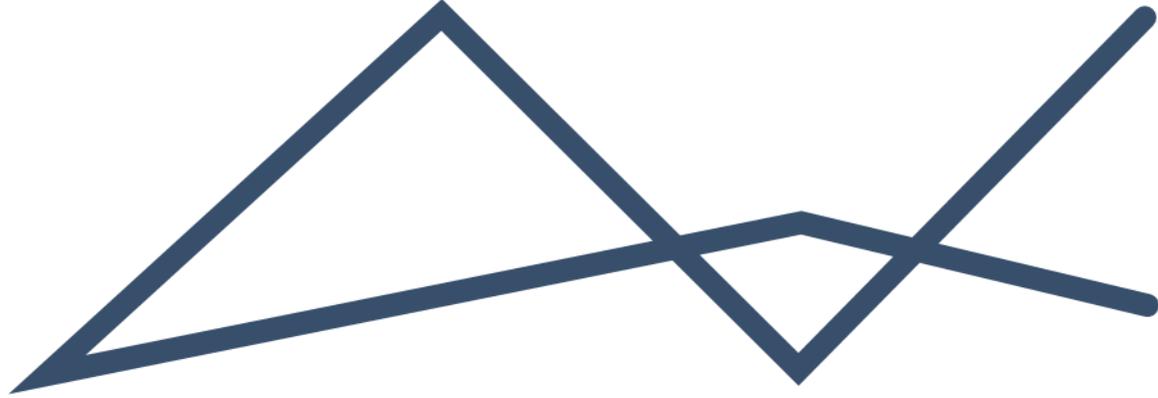
ENVIRONMENTAL
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RFI COMPLIANCE STATEMENT

GLENCORE LYDENBURG PV PROJECT





DOCUMENT DETAILS

EIMS REFERENCE: 1476
DOCUMENT TITLE: Glencore Lydenburg PV Project: RFI Compliance Statement

DOCUMENT CONTROL

	NAME	SIGNATURE	DATE
COMPILED:	John von Mayer	<i>Sent Electronically</i>	2024/09/18
CHECKED:	Liam Whitlow	<i>Sent Electronically</i>	2024/09/27
AUTHORIZED:	Liam Whitlow	<i>Sent Electronically</i>	2024/09/27

REVISION AND AMENDMENTS

REVISION DATE:	REV #	DESCRIPTION
2024/09/27	ORIGINAL DOCUMENT	RFI Compliance Statement



Table of Contents

1	Introduction	2
2	Project Location	3
3	Recommendations	5
4	Undertaking Regarding Correctness of Information	5

List of Figures

Figure 1: DFFE screening sensitivity map – project within 5km of Sentech tower	4
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List of Tables

Table 1: EAP Details	2
Table 2: Locality details	3



1 INTRODUCTION

Glencore is responsibly sourcing the commodities that advance everyday life. Glencore’s current portfolio of minerals enables the transition to a low-carbon economy, while meeting society’s energy needs as it progresses through the transition. The transition away from fossil fuels by the energy-intensive mining sector towards renewable, clean energy sources is at the top of the global Glencore agenda. The focus is not only to reduce the sector’s carbon footprint as a whole, but also to ensure energy availability for the growing mining economies.

Although the mining sector contributes to global carbon emissions, it is also leading a just transition to a low carbon economy by deploying new clean energy technology within its operations, as well as by mining critical minerals and metals which a low-carbon economy needs.

As part of this transition, Glencore Lydenburg Smelter, an operation by Glencore South Africa (Pty) Ltd (the applicant) wishes to develop a Solar Photovoltaic (PV) Energy Generation Facility at the Lydenburg Smelter. The facility will have a maximum generation capacity of 300 megawatts (MW). The electricity generated from the facility will be used at the Lydenburg smelter or will be wheeled to other Glencore operations. Other possible infrastructure will include an on-site switching station, access roads covering an area of 0.72ha, energy storage system and an 132kV power lines. The proposed PV facility is located in Thaba Chweu Local Municipality (Ward 12 and 13), Ehlanzeni District Municipality, Mpumalanga Province. It was determined that an Environmental Authorization (EA) is required for the proposed activities at the PV facility. A full Environmental Impact Assessment (EIA) process is being undertaken in support of the application for EA.

The southern most part of the PV project site is location within 5 km of a Sentech tower therefore having a medium sensitivity as per the DFFE screening tool. A RFI Compliance Statement is therefore required to be completed.

The details of the EIMS EAP and consultant who compiled this compliance statement are as follows:

Table 1: EAP Details.

Name of Practitioner	John von Mayer (Project Manager/EAP)
Tel No:	+27 11 789 7170
Fax No:	+27 86 571 9047
E-mail:	john@eims.co.za
Professional Registrations:	Professional Natural Scientist with the South African Council for Natural Scientific Professions - SACNASP (400336/11). Registered EAP with the Environmental Assessment Practitioners Association of South Africa - EAPASA (2019/1247).

Mr John von Mayer is a senior consultant at EIMS and has been involved in numerous significant projects the past 15 years. He has experience in Project Management, small to large scale Environmental Impact Assessments, Environmental Auditing, Water Use Licensing, and Public Participation. He is a Registered Professional Natural Scientist (400336/11) with the South African Council Natural and Scientific Professions (SACNASP) as well as a registered Environmental Assessment Practitioners Association of South Africa (EAPASA) Environmental Practitioner (2019/1247).



2 PROJECT LOCATION

A description of the application area and location as well as the properties are included in Table 2 below.

Table 2: Locality details

Property	The proposed project is located on: Portion 143 of Farm 30 Potloodspruit; Portion 114 of Farm 31 Townlands of Lydenburg; Portion 457 of Farm 31 Townlands of Lydenburg; Portion 471 of Farm 31 Townlands of Lydenburg; Lydenburg Smelter Portion 1 of Erf 6099; Lydenburg Smelter Erf 2540; and Lydenburg Smelter Erf 2541.
Property ownership	All properties are owned by the applicant (Glencore Pty Ltd)
21-digit Surveyor General Code	TOJT0000000003100099, TOJT0000000003100080, TOJT0000000003100103, TOJT0000000003100114, TOJT0000000003100143, TOJT0000000003100457, and TOJT0000000003100471
Application Area (Ha)	The directly affected properties comprise an area of 3 750 000m ² (375ha) for Site. The exact footprint of the PV facility infrastructure will be confirmed in the EIA phase.
Magisterial District	Thaba Chweu Local Municipality (Ward 12 and 13), Ehlanzeni District Municipality, Mpumalanga Province.
Distance and direction from nearest towns	The site is located approximately 2km north of Lydenburg town central area. The Southern Section Center Point is 25° 4'26.76"S; 30°28'0.83"E and the Northern Section Center Point 25° 3'20.54"S; 30°28'17.19"E..
Surrounding land uses	The proposed development area is separated into portions by the Smelter, namely, the southern section and the northern section with the Smelter in the center. The area surrounding the study area is largely open veld to the east and west, industries and residential areas to the south, homesteads, and small lodging areas to the north.

Refer to **Error! Reference source not found.** below for a map showing the screening tool RFI sensitivity in relation to the project site.

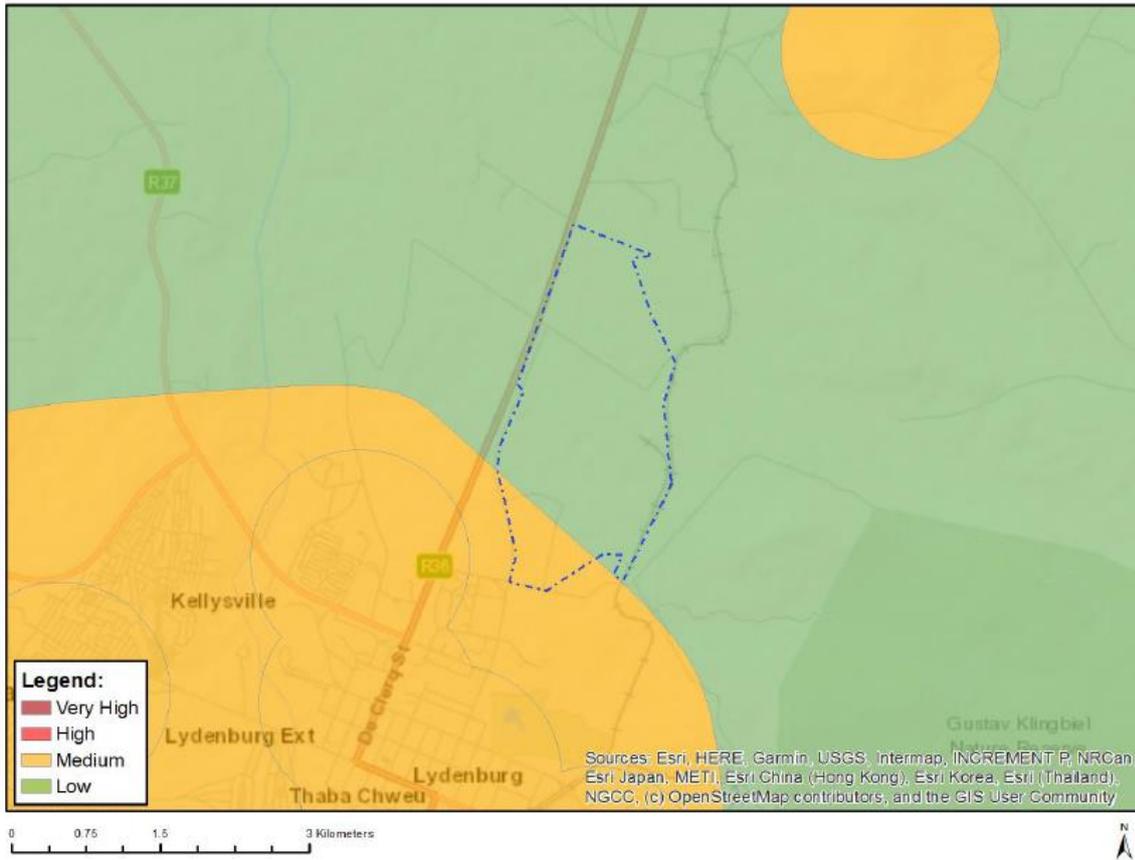


Figure 1: DFFE screening sensitivity map – project within 5km of Sentech tower

The table below provides information regarding the outcome of the Screening tool in terms of the RFI theme sensitivity associated with the proposed project and the EAP sensitivity verification.

Table 3: RFI Theme sensitivity

Theme	DFFE sensitivity	Protocol	EAP sensitivity verification
RFI	Medium	Site Sensitivity Verification Requirements where a specialist Assessment is required but no Specific Assessment Protocol has been prescribed	Low



3 RECOMMENDATIONS

No specific recommendations are applicable at this stage. Based on the location of the project (Figure 1) it is noted that a small section of the site is located within the outer edge of the 5km radius of the Sentech tower. Based on this a low risk of RFI impacts occurring is expected as a result of the Lydenburg PV project as the majority of the facility is located at a significant distance from any Sentech infrastructure. The relevant telecommunications stakeholders such as Sentech and Telkom have been included as stakeholders for the Participation Process. **A letter of no objection was received from Sentech and is included as Appendix 1.**

4 UNDERTAKING REGARDING CORRECTNESS OF INFORMATION

I **John von Mayer** herewith undertake that the information provided in the foregoing report is correct, and that the comments and inputs from stakeholders have been correctly recorded in the report.

Signature of the EAP

Date: 25 September 2024

Appendix 1 – Sentech Letter of no Objection

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2040
Enquiries
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motlhakes@sentech.co.za

EIMS

P.O. Box 2083
Pinegowrie
2123

Tel: (011) 789 7170

27 September 2024

Attention : Jolene Webber

**RE: PROPOSED ESTABLISHMENT OF GLENCORE LYDENBURG SOLAR
PHOTOVOLTAIC FACILITY**

1. The above matter refers.
2. We wish to advise that SENTECH SOC Ltd (“SENTECH”) has received an application from **EIMS** (“the applicant”), which plans to construct a solar PV facility to be located near Thaba Chweu Local Municipality in the Mpumalanga Province as described in annexure 1 hereto, hereafter referred to as “the site”, in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 (“the Act”).
3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:

Directors: Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Moropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbaso Metuse, (ED, ACEO) Tebogo Leshope, (ED & CFO) Rudzani Rasikhinya CA(SA), Flenk Mnisi (ACOO)

Company Secretary: Ephenia Motlhamme

SENTECH SOC Ltd Reg no: 1990/001791/30

- 4.1 Due to the fact that the findings made by SENTECH are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to SENTECH's attention.
- 4.2 At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, SENTECH will give the applicant 7 (seven) day's written notice to remove the cause of the interference.
- 4.3 Under no circumstances whatsoever will SENTECH be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered because of the aforementioned request and the applicant fully indemnify SENTECH.
- 4.4 SENTECH prior written consent must first be obtained before any construction activities underneath, along, across or within proximity to SENTECH infrastructure can begin and shall comply with the applicable SENTECH guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the applicant shall clearly adhere to, and ensure all installations shall be fully compliant with the Occupational Health and Safety Act No. 85 of 1993.
5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, as well as the size and positioning of structures declared in the application. If the services of SENTECH or its clients is in any way compromised by a deviation or change of this submission, the applicant shall be liable for all costs to re-establish, or relocate the services, and under no circumstances whatsoever will SENTECH be liable to the applicant or any other third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, suffered as a consequence.

6. This approval is valid and applicable between SENTECH and the applicant only. It does not include any approval for any of the other electronic communication operators which have current co-sharing agreements to utilise SENTECH's radio masts.
7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
8. The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve-month period, the application must be re-submitted to SENTECH for further evaluation and approval.
9. This approval does not imply any rights of access whatsoever to SENTECH property or use of SENTECH's access roads for construction or maintenance of the design project. Separate permission must be obtained from SENTECH in this regard. Furthermore, SENTECH reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of SENTECH's electronic broadcast and communications infrastructure.
10. The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of SENTECH's employees, contractors, representatives and its property, including the radio transmitters and links on or near the site against damages as a result of construction of the applicant's energy project.
11. The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee, contractor, representative or property of SENTECH including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project.

Directors: Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Moropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbasa Metuse, (ED, ACEO) Tebogo Leshope, (ED & CFO) Rudzani Rasikhinya CA(SA), Flenk Mnisi (ACOO)

Company Secretary: Ephenia Motlhamme

SENTECH SOC Ltd Reg no: 1990/001791/30

12. In no event will SENTECH, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any SENTECH radio network approved and/or not approved in terms of this letter, even if SENTECH has been advised of the possibility of such damages or injury.

All SENTECH rights are fully reserved.

Regards.



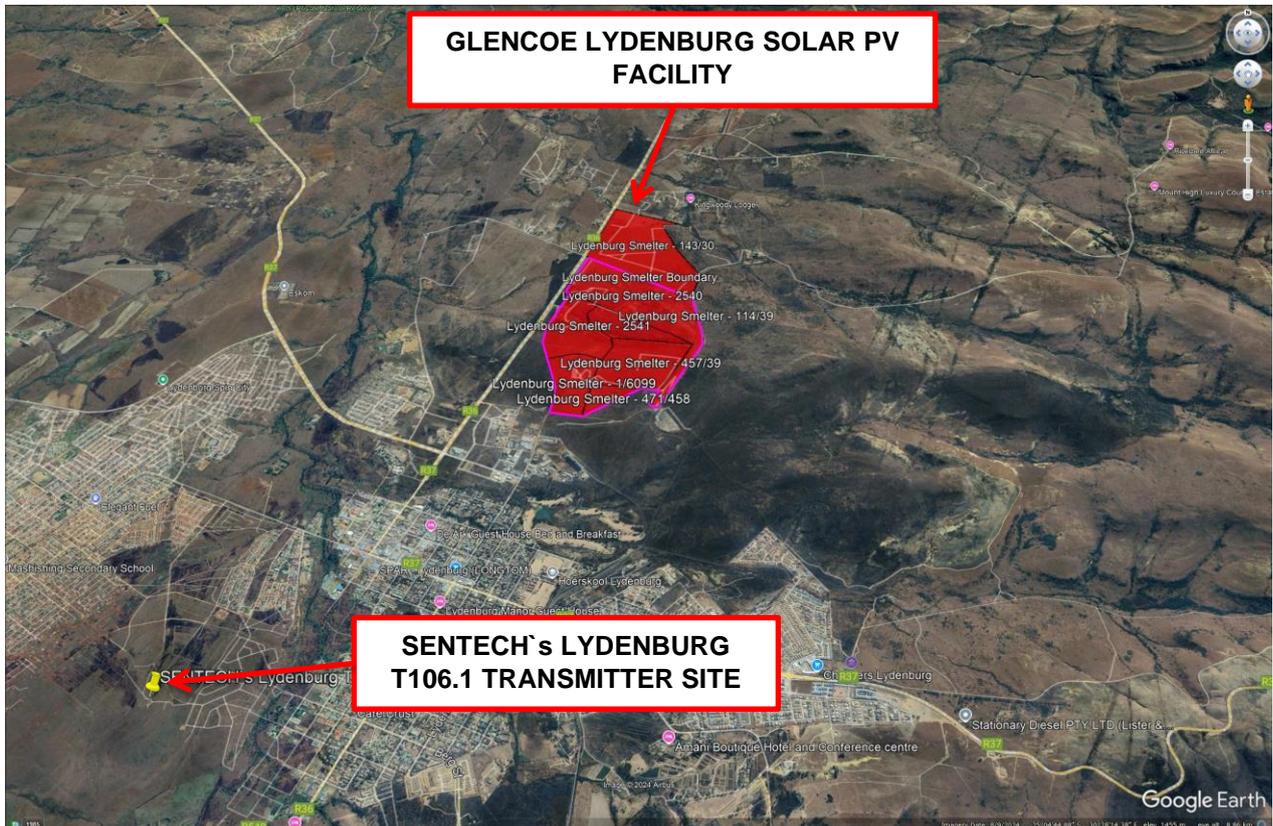
Date: 27 September 2024

Mr Serame Motlhake

Manager: SSDD and QAO

ANNEXURE 1

The planned site will be situated approximately 4.04km north-east of SENTECH's Lydenburg T106.1 transmitter site. The planned PV Facility will not cause interference to any of SENTECH's networks.



Map 1: Map indicating Glencore Lydenburg Solar PV and SENTECH's Lydenburg T106.1 Transmitter Site

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The PV plant is expected to be single axis tracking system which track the sun in one dimension. PV plant tracker tables are mounted in a north-to-south orientation and rotate about this axis tracking the sun from east-to-west. The maximum tilt from the horizontal (not vertical) is ± 55 degrees (Figure 1).

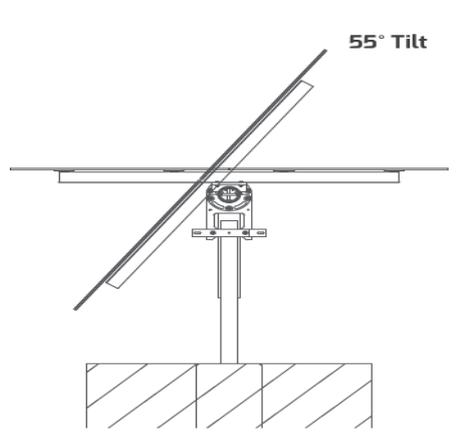


Figure 1: Maximum tilt of PV panel

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