



# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA ·0001· Environment House ·473 Steve Biko Road, Arcadia· PRETORIA

DFFE Reference: 14/12/16/3/3/2/2079  
Enquiries: Ms Samkelisiwe Dlamini  
Telephone: (012) 399 9379 E-mail: [SDlamini@dfffe.gov.za](mailto:SDlamini@dfffe.gov.za)

Mr Willem den Heijer  
Samancor Chrome Limited  
PostNet Suite 803  
Private Bag X9  
**BENMORE**  
2010

Telephone Number: (011) 245 1000  
Email Address: [Willem.denheijer@samancorcr.com](mailto:Willem.denheijer@samancorcr.com)

## PER EMAIL / MAIL

Dear Mr den Heijer

### **APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE DEVELOPMENT OF A PHOTOVOLTAIC (PV) PLANT UP TO 100MWP GENERATION CAPACITY ASSOCIATED WITH THE TUBATSE FERROCHROME (TFC) SMELTER, FETAKGOMO TUBATSE LOCAL MUNICIPALITY LIMPOPO PROVINCE**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za);


By hand: Environment House  
473 Steve Biko  
Arcadia  
Pretoria  
0083; or

By post: Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za).

Yours faithfully



**Ms Millicent Solomons**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: 25/04/2022.

cc:	Malcolm Roods	Royal HaskoningDHV	Email: <a href="mailto:Malcolm.roods@rhdhv.com">Malcolm.roods@rhdhv.com</a>
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## forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

# Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The Development of a Photovoltaic (PV) plant up to 100MW generation capacity associated with the Tubatse Ferrochrome (TFC) Smelter, Fetakgomo Tubatse Local Municipality Limpopo Province

### Sekhukhune District Municipality

<b>Authorisation register number:</b>	<i>14/12/16/3/3/2/2079</i>
<b>Last amended:</b>	<i>First issue</i>
<b>Holder of authorisation:</b>	<i>Samancor Chrome Limited</i>
<b>Location of activity:</b>	<i>Olifantspoortje 319 KT Portion 5; Goudmyn 337 KT Portion 10; Goudmyn 337 KT Portion 0; Goudmyn 337 KT Portion 6; Goudmyn 337 KT Portion 7; Goudmyn 337 KT Portion 4; Goudmyn 337 KT Portion 11; Goudmyn 337 KT Portion 40; Goudmyn 337 KT Portion 14 within Fetakgomo Tubatse Local Municipality, Limpopo Province</i>

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

### **SAMANCOR CHROME LIMITED**

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Mr. Willem den Heijer

PostNet Suite 803

Private Bag X9

**BENMORE**

2010

Tel: (011) 245 1000

Cell: (083) 256 9640

E-mail: [Willem.denheijer@samancorcr.com](mailto:Willem.denheijer@samancorcr.com)

to undertake the following activities (hereafter referred to as “the activity”) indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
<p><u>Listing Notice 1, Item 11:</u>  <i>“The development of facilities or infrastructure for the transmission and distribution of electricity-</i>  <i>(i) outside urban areas or industrial complexes with a capacity of more than 33kV but less than 275kV.</i></p>	<p>Applicable to the new 33kV overhead powerlines between the various sites and the Tubatse East and West substation. Underground cables do not trigger this activity.</p>
<p><u>Listing Notice 1, Item 12:</u>  <i>The development of –</i>  <i>(ii) infrastructure or structures with a physical footprint of 100m<sup>2</sup> or more;</i>  <i>where such development occurs –</i>  <i>(a) within a watercourse;</i>  <i>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p>	<p>Applicable to the development of internal access roads (Site 3, 4, 5), power corridors (Site 2, 4, 5) and PV panels and inverters (Site 3, 4, 5), underground cables (Site 3, 4, 5), construction camp (Site 5).</p>
<p><u>Listing Notice 1, Item 19:</u>                      The infilling or depositing of any material of more than 10m<sup>3</sup> into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10m<sup>3</sup> from                      (i) a watercourse;</p>	<p>Applicable to the development of infrastructure (trapezoidal channels) within the two drainage lines on Site 5.</p>
<p><u>Listing Notice 1, Item 28:</u>                      Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:                      (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</p>	<p>Applicable to the development of the solar facility which will involve the transformation of approximately 162ha of agricultural zoned land. The project site is located outside an urban area.</p>

<p><u>Listing Notice 2, Item 1:</u>                  The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more</p>	<p>The electricity generation capacity of the PV plant will be up to 100MWp.</p>
<p><u>Listing Notice 2, Item 15:</u>                  The clearance of an area of 20 hectares or more of indigenous vegetation</p>	<p>Applicable to the construction of the proposed PV plant which will require the clearance of approximately 162ha of indigenous vegetation.</p>

as described in the Environmental Impact Assessment Report (EiAr) dated December 2021 at:

**SG 21 Code**

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T	0	K	T	0	0	0	0	0	0	0	0	0	3	3	7	0	0	0	0	6
T	0	K	T	0	0	0	0	0	0	0	0	0	3	1	9	0	0	0	0	6
T	0	K	T	0	0	0	0	0	0	0	0	0	3	3	7	0	0	0	0	7
T	0	K	T	0	0	0	0	0	0	0	0	0	3	3	7	0	0	0	0	4
T	0	K	T	0	0	0	0	0	0	0	0	0	3	3	7	0	0	0	1	1
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- for the development of a Photovoltaic (PV) plant up to 100MW generation capacity associated with the Tubatse Ferrochrome (TFC) Smelter, Fetakgomo Tubatse Local Municipality Limpopo Province, hereafter referred to as "the property".

The facility will comprise the following:

- Solar fields comprising of solar PV panels/ modules that convert solar radiation directly into electricity through the PV effect.
- Grid connection infrastructure - the solar fields connect to the Tubatse East- and West Substations by means of power corridors to evacuate the AC power. The power corridor will comprise of overhead lines or underground cables, or a combination thereof, at a voltage level of 33kV.
- Mounting structures for the solar panels in a fixed tilt configuration.
- Internal access road (4 - 6m wide).

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- Battery Energy Storage System (BESS) - lithium-ion is the preferred technology.
- Instrumentation and control consisting of hardware and software for remote plant monitoring and operation of the facility.
- Fencing (approximately 1.8m in height), gates and access control.
- Construction camp and laydown area.
- Guard houses at each site with ablution (such as chemical toilets) facilities, a water storage tank at each guard house.
- Channelisation of two drainage lines on Site 5.

Technical details of the PV:

<b>Component</b>	<b>Description/ Dimensions</b>
Height of PV panels	Approximately 0.8m
Total site extent	162ha
Type of PV panel	Either mono- or bi-facial panels each with a rating of 540W each
Number of inverters required	16
Area occupied by inverter/ transformers (inverters are combined with the transformers on each site)	60m <sup>2</sup>
Area occupied by both permanent and construction laydown areas	<ul style="list-style-type: none"> <li>▪ Existing capacity - Tubatse East = 62.5MW, Tubatse West = 37.5MW</li> <li>▪ 33kV indoor switchgear blocks will be added to the Tubatse East- and West Substations with a footprint of approximately 300m<sup>2</sup> respectively</li> </ul>
Area occupied by both permanent and construction laydown areas	<ul style="list-style-type: none"> <li>▪ Only one construction camp and laydown area are proposed for the project</li> <li>▪ The proposed size of laydown areas is defined as follows: 6000m<sup>2</sup> for west region (Site 3, 4 &amp; 5) and 5000m<sup>2</sup> for the east region (Site 1 &amp; 2)</li> <li>▪ The construction camp is approximately 2000m<sup>2</sup></li> </ul>
Occupation of construction camp	The proposed number of staff during construction is approximately 600 people. The management staff (less than 20) will rent houses in Steelpoort.

<p>Area occupied by buildings, switch houses, guard houses, offices, stores and workshops</p>	<ul style="list-style-type: none"> <li>▪ The construction camp is also intended to be used as an administration office and workshops during the operational phase of the project – 2000m<sup>2</sup></li> <li>▪ Five (5) guard houses are proposed at the entrance to each site</li> <li>▪ A guard house is approximately 12m<sup>2</sup>.</li> </ul>
<p>Length of internal roads</p>	<p>These roads are relatively short in distance, the approximate lengths are provided below:</p> <ul style="list-style-type: none"> <li>▪ Site 1 = 1346m</li> <li>▪ Site 2 = 1465m</li> <li>▪ Site 3 = 458m</li> <li>▪ Site 4 = 775m</li> <li>▪ Site 5 (left) = 572m</li> <li>▪ Site 5 (middle) = 900m</li> <li>▪ Site 5 (right) = 914m</li> </ul>
<p>Width of internal roads</p>	<p>Typically 5m</p>
<p>Height of and type of fencing</p>	<p>The fence height is 1.8m and the type of fence is a clear-view with overhang</p>
<p>Power corridor servitude</p>	<ul style="list-style-type: none"> <li>▪ 11m for a single corridor</li> <li>▪ Overhead line or underground cable technology can be used for the power evacuation in these corridors</li> </ul>
<p>Overhead powerline tower height</p>	<ul style="list-style-type: none"> <li>▪ Varies in length according to site location and connection point</li> <li>▪ Wood pole tower construction is proposed for the overhead 33kV powerlines</li> <li>▪ In cases where there is a double Power Corridor, either two wood pole lines will be used or a single steel monopole with a double circuit configuration</li> <li>▪ The height of the single circuit wood pole construction is 11m13m and the steel monopoles are typically 20m tall</li> </ul>
<p>Battery Energy Storage System (BESS)</p>	<ul style="list-style-type: none"> <li>▪ It is proposed to locate the BESS next to the BESS next to the 33kV connector substations.</li> <li>▪ Lithium-ion technology will be used for the BESS. The BESS will have an on-board inverter system and will</li> </ul>



	<p>connect directly to the 33kV switchboard of the connector substation</p> <ul style="list-style-type: none"><li>▪ The proposed size of the BESS combined for East and West plant locations is a minimum value of 200 MWh</li><li>▪ This will typically require a combined footprint of approximately 2-3 ha</li></ul>
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## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The development of a Photovoltaic (PV) plant up to 100MW generation capacity associated with the Tubatse Ferrochrome (TFC) smelter, Fetakgomo Tubatse Local Municipality Limpopo Province is approved as per the geographic coordinates cited in Annexure 3 of this EA.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (05) years of the commencement of the activity on site.

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9. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.

#### **Notification of authorisation and right to appeal**

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
11. The notification referred to must –
- 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the Competent Authority for the decision.

#### **Commencement of the activity**

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

#### **Management of the activity**

13. The site layout plans as attached as Appendix A (Site maps) of the EIAR dated December 2021 is approved.
14. The Environmental Management Programme (EMPr) and Generic EMPrs submitted as part of the EIAR dated December 2021 is approved and must be implemented and adhered to.
15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.

16. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
17. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAr be discovered.

#### **Frequency and process of updating the EMPr**

18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
19. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### **Monitoring**

23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the

mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.

- 23.1. The ECO must be appointed before commencement of any authorised activities.
- 23.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
- 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### **Recording and reporting to the Department**

24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
29. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

### **Notification to authorities**

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

### **Operation of the activity**

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

### **Site closure and decommissioning**

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

### **Specific conditions**

#### Conditions for Non-operational aspects

33. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
34. Prior to site clearance, a detailed 'walkthrough' must be conducted on the proposed site to ascertain the number, abundance, and physical conditions of all protected tree species.
35. A 350m buffer must be demarcated around the Wahlberg's Eagle nest.
36. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

### **General**

37. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMP, must be made available for inspection and copying-

- 37.1. at the site of the authorised activity;
- 37.2. to anyone on request; and
- 37.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 38. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 25/04/2022.



**Ms Millicent Solomons**

**Acting Chief Director: Integrated Environmental Authorisations**

**Department of Forestry, Fisheries and the Environment**

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 29 June 2021.
- b) The information contained in the EIAr dated December 2021
- c) The comments received from SAHRA, SANRAL, DFFE- Biodiversity and Conservation and interested and affected parties as included in the EIAr dated December 2021.
- d) Mitigation measures as proposed in the EIAr and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the EIAr dated December 2021 and as appears below:

Title	Prepared by	Date
Terrestrial Biodiversity Impact Assessment	Pachnoda Consulting cc	October 2021
Freshwater Ecological Impact Assessment	Scientific Aquatic Services CC	September 2021
- Avifaunal Impact Assessment	- Royal Haskoningdhv (Pty) Ltd	October 2021
- Peer Review	- Ecological Logistics (Pty) Ltd	13 October 2021
Hydrology Impact Assessment	Jeniffer Meneghelli	October 2021
Agricultural and Soils Impact Assessment	Johann Lanz	September 2021
Heritage impact assessment	PGS Heritage (Pty) Ltd	September 2021
- Climate Change Impact Assessment	- Royal Haskoningdhv (Pty) Ltd	October 2021
- Peer Review	- Themis Environmental (Pty) Ltd	19 October 2021
EMPrs	Royal Haskoningdhv (Pty) Ltd	December 2021

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## **2. Key factors considered in making the decision**

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The EIAr dated December 2021 identified all legislation and guidelines that have been considered in the preparation of the EIAr.
- d) The location of the proposed PV solar facility.
- e) The methodology used in assessing the potential impacts identified in the EIAr dated December 2021 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

## **3. Findings**

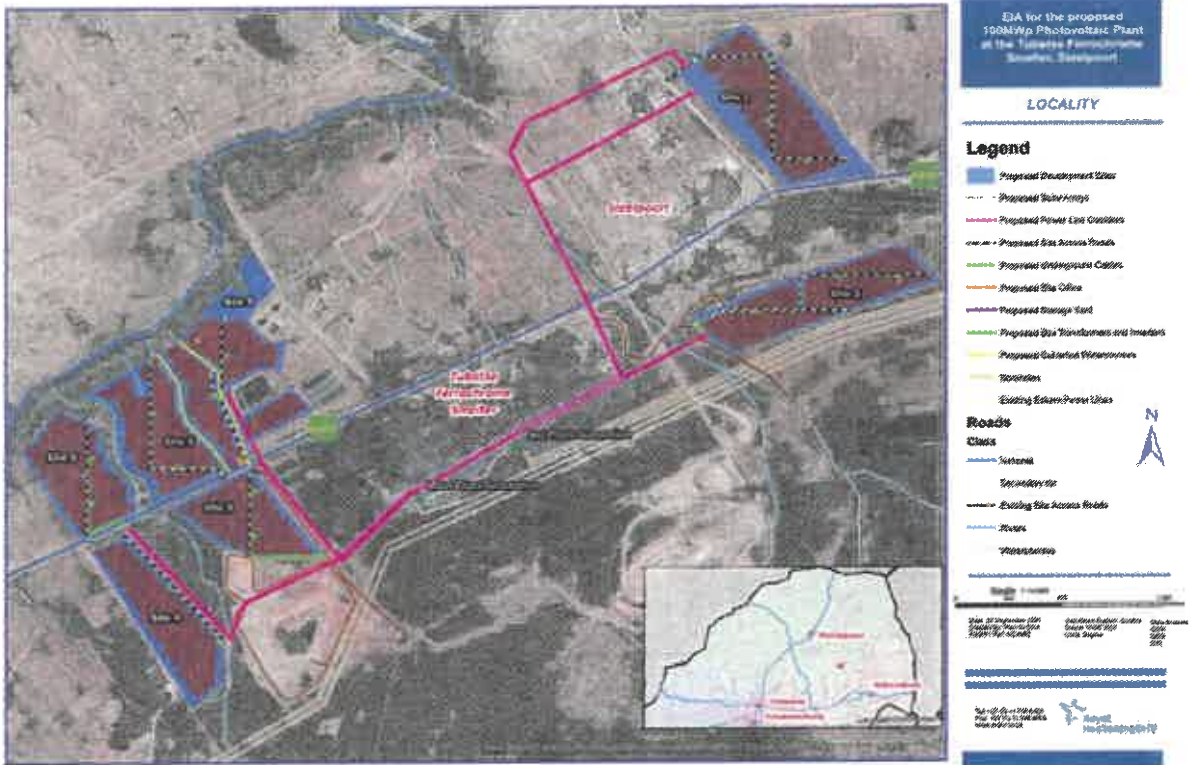
After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAr dated December 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIAr dated December 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAr and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



# Annexure 2: Locality Plan



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### Annexure 3: coordinates

Impofu North (WEF preferred site)	Latitude		Longitude
SITE 1	A	24°43'31.05"S	30°12'17.84"E
	B	24°43'23.35"S	30°12'28.72"E
	C	24°43'47.83"S	30°12'49.16"E
	D	24°43'50.05"S	30°12'35.48"E
SITE 2	A	24°44'11.91"S	30°12'20.15"E
	B	24°44'17.28"S	30°12'26.92"E
	C	24°43'59.76"S	30°12'51.39"E
	D	24°44'0.40"S	30°12'54.72"E
	E	24°44'5.58"S	30°12'58.70"E
SITE 3.	A	24°44'35.99"S	30°11'12.17"E
	B	24°44'50.39"S	30°11'23.56"E
	C	24°44'50.64"S	30°11'13.08"E
	D	24°44'49.25"S	30°11'8.31"E
	E	24°44'42.34"S	30°10'59.74"E
SITE 4	A	: 24°45'4.17"S	30°11'7.55"E
	B	24°45'10.75"S	30°11'7.77"E
	C	24°45'15.09"S	30°11'2.75"E
	D	24°44'49.91"S	30°10'47.24"E
	E	24°44'46.96"S	30°10'52.61"E
SITE 5	A	24°44'32.78"S	30°10'35.88"E
	B	24°44'31.46"S	30°10'37.95"E
	C	24°44'26.55"S	30°10'41.51"E
	D	24°44'26.10"S	30°10'42.34"E
	E	24°44'24.47"S	30°10'45.21"E
	F	24°44'19.56"S	30°10'53.38"E
	G	24°44'17.18"S	30°10'57.29"E
	H	24°44'15.37"S	30°11'0.17"E
	I	24°44'14.94"S	30°11'0.51"E
	J	24°44'11.19"S	30°11'4.38"E
	K	24°44'9.63"S	30°11'5.30"E
	L	24°44'8.99"S	30°11'5.94"E

M	24°44'8.06"S	30°11'6.34"E
N	24°44'7.38"S	30°11'7.32"E
O	24°44'5.72"S	30°11'9.58"E
P	24°44'6.44"S	30°11'9.38"E
Q	24°44'7.18"S	30°11'9.92"E
R	24°44'7.36"S	30°11'10.43"E
S	24°44'7.34"S	30°11'11.02"E
T	24°44'7.15"S	30°11'11.33"E
U	24°44'6.44"S	30°11'11.68"E
V	24°44'6.23"S	30°11'11.40"E
W	24°44'5.72"S	30°11'11.31"E
X	24°44'5.25"S	30°11'10.88"E
Y	24°44'3.80"S	30°11'10.57"E
Z	24°44'2.32"S	30°11'10.74"E
AA	24°44'1.18"S	30°11'11.76"E
AB	24°44'0.47"S	30°11'12.00"E
AC	24°44'6.00"S	30°11'15.75"E
AD	24°44'11.29"S	30°11'11.26"E
AE	24°44'15.35"S	30°11'15.67"E
AF	24°44'14.91"S	30°11'17.61"E
AG	24°44'19.89"S	30°11'16.86"E
AH	24°44'19.75"S	30°11'13.53"E
AI	24°44'23.30"S	30°11'7.90"E
AJ	24°44'27.66"S	30°11'9.82"E
AK	24°44'22.64"S	30°11'18.41"E
AL	24°44'26.44"S	30°11'21.73"E
AM	24°44'31.68"S	30°11'11.63"E
AN	24°44'34.13"S	30°11'12.76"E
AO	24°44'42.03"S	30°10'56.70"E
AP	24°44'43.26"S	30°10'54.29"E
AQ	24°44'47.65"S	30°10'45.10"E
BA	24°44'1.18"S	30°11'11.76"E
BB	24°44'0.47"S	30°11'12.00"E
BC	24°44'6.00"S	30°11'15.75"E

MS

	BD	24°44'11.29"S	30°11'11.26"E
	BE	24°44'15.35"S	30°11'15.67"E
	BF	24°44'14.91"S	30°11'17.61"E
	BG	24°44'19.89"S	30°11'16.86"E
	BH	24°44'19.75"S	30°11'13.53"E
	BI	24°44'23.30"S	30°11'7.90"E
	BJ	24°44'27.66"S	30°11'9.82"E
	BK	24°44'22.64"S	30°11'18.41"E
	BL	24°44'26.44"S	30°11'21.73"E
	BM	24°44'31.68"S	30°11'11.63"E
	BN	24°44'34.13"S	30°11'12.76"E
	BO	24°44'42.03"S	30°10'56.70"E
	BP	24°44'43.26"S	30°10'54.29"E
	BQ	24°44'47.65"S	30°10'45.10"E
Powerlines	A(start) (From Site 1):	24°43'30.41"S	30°12'19.61"E
	B (Bend Point)	24°43'27.78"S	30°12'17.11"E
	C	24°43'32.73"S	30°12'6.88"E
	D	24°43'36.48"S	30°11'59.74"E
	E (Bend Point)	24°43'39.07"S	30°11'54.44"E
	F (Bend Point)	24°43'44.21"S	30°11'51.93"E
	G (From Site 1)	24°43'34.36"S	30°12'21.04"E
	H	24°43'39.29"S	30°12'12.03"E
	I	24°43'43.24"S	30°12'5.03"E
	J	24°43'49.39"S	30°11'54.59"E
	K	24°43'58.03"S	30°11'58.60"E
	L	24°44'9.59"S	30°12'4.37"E
	M (Bend Point)	24°44'21.13"S	30°12'9.73"E

	N (From Site 2)	24°44'14.26"S	30°12'22.91"E
	O(middle)	24°44'30.09"S	30°11'53.31"E
	P	24°44'30.58"S	30°11'52.77"E
	Q (Bend Point)	24°44'40.05"S	30°11'36.85"E
	R (Bend Point)	24°44'51.22"S	30°11'25.78"E
	S	24°44'43.64"S	30°11'20.09"E
	T (Bend Point)	24°44'35.02"S	30°11'13.63"E
	U (From Site 5)	24°44'23.45"S	30°11'8.31"E
	V	24°44'54.05"S	30°11'19.11"E
	W (Bend Point)	24°44'58.02"S	30°11'11.17"E
	X	24°45'3.85"S	30°11'8.72"E
	Y	24°44'55.27"S	30°11'0.95"E
	Z (end) (From Site 4)	24°44'45.80"S	30°10'52.59"E
33kV Substation (Tubatse East)	A	24°44'30.15"S	30°11'53.24"E
	B	24°44'30.37"S	30°11'53.41"E
	C	24°44'30.62"S	30°11'52.90"E
	D	24°44'30.40"S	30°11'52.75"E
33kV Substation (Tubatse West)	A	24°44'39.51"S	30°11'36.88"E
	B	24°44'39.75"S	30°11'37.03"E
	C	24°44'40.03"S	30°11'36.53"E
	D	24°44'39.80"S	30°11'36.39"E



# forestry, fisheries & the environment

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Forestry, Fisheries and the Environment  
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Ms. Milicent Solomons  
Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

## APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devínagle Bandeman  
Deputy Director-General: RCSM (Regulatory Compliance and  
Sector Monitoring)

Date 20 April 2022

### ACKNOWLEDGEMENT

I ACCEPT / ~~DO NOT ACCEPT~~  
appointment as Acting Chief  
Director: Integrated Environmental  
Authorizations

Signed:

Date:

20/04/2022