



# 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:** 14/12/16/3/3/1/2737

**Enquiries:** Ms Nyiko Nkosi

**Telephone:** (012) 399 9392 **E-mail:** [nnkosi@dffe.gov.za](mailto:nnkosi@dffe.gov.za)

Mr Matteo Giulio Luigi Brambilla  
Antlia Energy (Pty) Ltd  
Postnet Suite 150  
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8012

**Telephone Number:** (021) 418 3940  
**Cell Number:** (072) 212 1531  
**Email Address:** [m.logan@redrocket.energy](mailto:m.logan@redrocket.energy)

## PER EMAIL / MAIL

Dear Mr Brambilla

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR PROPOSED GOOD HOPE 132KV OVERHEAD POWERLINE (OHPL) AND ASSOCIATED INFRASTRUCTURE, TO CONNECT THE AUTHORISED GOOD HOPE SOLAR PARK TO THE NATIONAL GRID LOCATED NEAR DEALESVILLE, TOKOLOGO LOCAL MUNICIPALITY, FREE STATE 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.

MS

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

  
**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: *28/08/2023*

cc:	Ms Natasha Williams	Terramanzi Group (Pty) Ltd	Email: <a href="mailto:environmental@terramanzi.co.za">environmental@terramanzi.co.za</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 construction of Good Hope 132kV Overhead Powerline (OHPL) and associated infrastructure, to connect the authorised Good Hope Solar Park to the National Grid located near Dealesville, Tokologo

Local Municipality, Free State Province

Lejweleputswa District Municipality

<b>Authorisation register number:</b>	14/12/16/3/3/1/2737
<b>Last amended:</b>	First issue
<b>Holder of authorisation:</b>	Antlia Energy (Pty) Ltd
<b>Location of activity:</b>	Portion 00000 of Farm 00001029 of Boshof Rd (Farm Gedenksrust); Portion 00000 of Farm 00000305 of Boshof Rd (Farm Klipfontein); Portion 00000 of Farm 00000535 of Boshof Rd, (Farm Klipkoppan ) Portion 00000 of Farm 00001216 of Boshof Rd (Farm Epsom Downs) & Portion 00000 of Farm 00001216 of Boshof Rd (Farm Epsom Downs), Within Ward 4 of the Tokologo Local Municipality, Free State Province

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 –

### **ANTLIA ENERGY (PTY) LTD**

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

with the following contact details –

Mr Matteo Giulio Luigi Brambilla

Antlia Energy (Pty) Ltd

Postnet Suite 150

Private Bag X3

Roggebaai

**CAPE TOWN**

8012

**Telephone Number:** (021) 418 3940

**Cell Number:** (072) 212 1531

**Email Address:** [m.logan@redrocket.energy](mailto:m.logan@redrocket.energy)

to undertake the following activities (hereafter referred to as “the activity”) indicated in Listing Notice (LN) 1 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 33 but less than 275 kilovolts;</i></p>	<p>The proposed Overhead Power Line (OHPL) and substation will have a distribution capacity of up to 132kV. The project site is located outside of an urban area.</p>
<p><u>Listing Notice 1, Item 12</u>  <i>The development of –</i>  <i>(ii) Infrastructure or structures with a physical footprint of 100 square metres or more;</i>  <i>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p>	<p>The proposed Good Hope OHPL will consist of steel transmission structures and the individual lattice / monopole structures. The combined footprint of the towers will exceed the 100-square meters, and some of the towers may be located within 32 m of a watercourse.</p>
<p><u>Listing Notice 1, Item 14</u>  <i>The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</i></p>	<p>The development of the substation will require the construction and operation of facilities and infrastructure for the storage and handling of dangerous goods (combustible and flammable liquids, such as oils, lubricants, solvents) associated with the onsite substation where such storage will occur inside containers with a combined capacity exceeding 80 cubic meters but not exceeding 500 cubic meters.</p>
<p><u>Listing Notice 1, Item 19</u>  <i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of</i></p>	<p>The proposed powerline route will traverse a watercourse Infilling / depositing 10 cubic</p>

<p><i>soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse.</i></p>	<p>metres material into / from a watercourse may be required for installation.</p>
<p><u>Listing Notice 1, Item 27</u>  <i>The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation</i></p>	<p>The construction of the Good Hope OHPL &amp; substation will likely involve the clearance of an area of more than 1, but less than 20 hectares of indigenous vegetation.</p>
<p><u>Listing Notice 1, Item 28</u>  <i>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.</i></p>	<p>The construction of the 132kV Good Hope OHPL and Substation will likely impact an area larger than 1 hectare outside an urban area. within an area currently zoned for agriculture.</p>
<p><u>Listing Notice 3, Item 12</u>  <i>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i>  <i>b. Free State</i>  <i>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</i>  <i>ii. Within critical biodiversity areas identified in bioregional plans; iii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning; or</i></p>	<p>300 square metres or more of indigenous vegetation may be required to be cleared for the installation of the proposed 132kV powerline and substation. The substation is located within the CBA 1.</p>

<p><i>iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.</i></p>	
<p><u>Listing Notice 3, Item 14</u> <i>The development of:</i> <i>(ii) Infrastructure or structures with a physical footprint of 10 square meters or more. Where such development occurs</i> <i>c) If no development setback has been adopted, within 32 meters of a watercourse, measured from the edge of a watercourse.</i></p>	<p>The development of the Good Hope OHPL and associated infrastructure will traverse a watercourse. Some towers may need to be located within 32 m of the water course.</p>

as described in the Basic Assessment Report (BAR) dated July 2023.

**Farm Name and SG Codes:**

Farm Name	SG Codes
<b>Powerline</b>	
Portion 00000 of Farm 00001029 of Boshof Rd (Farm Gedenksrust)	F004/0000/00001029/00000
Portion 00000 of Farm 00000305 of Boshof Rd (Farm Klipfontein)	F004/0000/00000305/00000
Portion 00000 of Farm 00000535 of Boshof Rd, (Farm Klipkoppan)	F004/0000/00000535/00000
Portion 00000 of Farm 00001216 of Boshof Rd (Farm Epsom Downs)	F004/0000/00001216/00000
<b>Substation</b>	
Portion 00000 of Farm 00001216 of Boshof Rd (Farm Epsom Downs)	F004/0000/00001216/00000

For the construction of the 132kV, Overhead Powerline (OPHL) and associated infrastructure, to connect the authorised Good Hope Solar Park to the National Grid, near Dealesville within Tokologo Local Municipality, within Lejweleputswa District Municipality in the Free State Province, hereafter referred to as "the property". (coordinates attached as Annexure 2).

Technical details of the proposed project will include:

Infrastructure	Details
Substation development area	7 ha area for the establishment of an approximately 1,5 ha substation footprint.
OHPL corridor	a 400 m wide, 8,6 km long corridor within which to establish the 132 kV Powerline with a servitude width of 33 m

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The construction of the 132kV, Overhead Powerline (OPHL) and associated infrastructure, to connect the authorised Good Hope Solar Park to the National Grid, near Dealesville within Tokologo Local Municipality, within Lejweleputswa District Municipality in the Free State Province, is approved as per the geographic coordinates attached as Annexure 2 below.
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 affected. 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.

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

9. 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.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

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

11. 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**

12. The site layout plans as attached as Appendix A of the BAR dated July 2023 is approved.

13. The Generic Environmental Management Programme (EMPr) for powerline and Generic EMPr for Substation submitted as part of the BAR dated July 2023 is approved and must be implemented and adhered to.
14. The generic EMPrs 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.
15. Changes to the approved Generic EMPrs must be submitted in accordance to the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved Generic EMPrs should any impacts that were not anticipated or covered in the BAR be discovered.

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

17. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 24 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.
18. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
19. 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.
20. 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.
21. 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

22. 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.
  - 22.1. The ECO must be appointed before commencement of any authorised activities.
  - 22.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
  - 22.3. The ECO must keep record of all activities on site, problems identified, transgressions noted, and a task schedule of tasks undertaken by the ECO.
  - 22.4. 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

23. 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.
24. 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.
25. 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.
26. 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.
27. 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.

28. 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**

29. 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**

30. 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**

31. 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**

32. 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.
33. Smaller feeder streams and drainage lines must have no-go buffer area of at least 35 m from the centre of these streams to ensure these aquatic ecosystems are not impacted by the proposed activities.



34. The existing road infrastructure must be utilised as far as possible to minimise the overall disturbance created by the proposed project.
35. Where new access routes need to be constructed through the watercourses, the disturbance of the channels must be limited to a single jeep track that minimises disturbance of cover vegetation and hardening of surfaces must be used.
36. Anti-collision devices such as bird flappers must be installed where powerlines cross avifaunal corridors. The input of an avifaunal specialist must be obtained for the fitting of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged.
37. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
38. Should any archaeological sites, artefacts, paleontological fossils or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, SAHRA must be informed, and the services of an accredited heritage professional obtained for an assessment of the heritage resources must be made.
39. Construction must include design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
40. 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).
41. The holder of Environmental Authorisation must prevent the occurrence of nuisance conditions or health hazards.
42. No effluent must be discharged into any storm water drain or furrow, whether by commission or by omission.

### **General**

43. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying:
  - 43.1. at the site of the authorised activity.
  - 43.2. to anyone on request.
  - 43.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
44. 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: 24/08/2023



**Mr Sabelo Malaza**

**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 31 March 2023.
- b) The information contained in the BAR dated July 2023.
- c) The recommendations made by the EAP in the BAR dated July 2023.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated July 2023 and as appears below:

### 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 proposed Overhead Powerline, and associated infrastructure for the project is directly linked to the need for the 200 MW Good Hope Solar Photovoltaic Energy Facility (PVSEF), consisting of the 100 MW Good Hope 1 Solar PVSEF and 100 MW Good Hope 2 PVSEF (DFFE Reference: 14/12/16/3/3/1/2484 and EA:14/12/16/3/3/1/2485) Authorised in June 2022.
- c) The main purpose of the proposed project is to support the development of the Solar Photovoltaic Energy facilities, specifically the grid infrastructure is required to connect with infrastructure coming from the Good Hope Solar Photovoltaic Energy Facility which connects to the National Grid.
- d) The BAR dated July 2023 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- e) The methodology used in assessing the potential impacts identified in the BAR dated July 2023 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.

## 2. 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 BAR dated July 2023 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 BAR dated July 2023 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 BAR 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: Coordinates

The co-ordinates of the preferred Good Hope Substation development footprint.

Point	Latitude	Longitude
Good Hope SS site central co-ordinates	28°38'45"S	25° 46' 15"E
A	28°38'40.45"S	25° 46' 10.14"E
B	28°38'43.71"S	25° 46' 18.57"E
C	28°38'51.15"S	25° 46' 14.88"E
D	28°38'47.88"S	25° 46' 6.44"E

The central GPS co-ordinates of the proposed Good Hope OHPL corridor (Preferred Alternative)

Point	Latitude	Longitude
<b>Good Hope OHPL Corridor</b>		
Start (Good Hope PVSEF)	28°38'44"S	25° 46' 23"E
Turn 1 (SW)	28°39'23"S	25° 45' 59"E
Turn 2	28°39'32"S	25° 45' 37"E
Turn 3	28°40'29"S	25° 45' 34"E
Turn 4	28°40'24"S	25° 45' 15"E
Turn 5	28°40'51"S	25° 43' 53"E
Turn 6	28°40'33"S	25° 43' 33"E
End (Artemis SS)	28°40'11"S	25° 43'33"E

The GPS co-ordinates of the preferred Good Hope OHPL alignment with final tower positions

Point	Latitude	Longitude
Tower position 1	28°38'46.75"S	25° 46' 17.06"E
Tower position 2	28°38'47.56"S	25° 46' 18.97"E
Tower position 3	28°38'55.02"S	25° 46' 15.27"E
Tower position 4	28°39'2.45"S	25° 46' 11.58"E
Tower position 5	28°39'9.89"S	25° 46' 7.88"E

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Point	Latitude	Longitude
Tower position 6	28°39'15.00"S	25° 46' 5.35"E
Tower position 7	28°39'18.62"S	25° 46' 3.21"E
Tower position 8	28°39'23.98"S	25° 45' 58.95"E
Tower position 9	28°39'25.59"S	25° 45' 53.96"E
Tower position 10	28°39'28.44"S	25° 45' 45.34"E
Tower position 11	28°39'30.68"S	25° 45' 38.61"E
Tower position 12	28°39'32.90"S	25° 45' 36.34"E
Tower position 13	28°39'40.99"S	25° 45' 35.54"E
Tower position 14	28°39'49.07"S	25° 45' 34.71"E
Tower position 15	28°39'52.15"S	25° 45' 34.38"E
Tower position 16	28°39'58.04"S	25° 45' 35.67"E
Tower position 17	28°40'4.60"S	25° 45' 38.84"E
Tower position 18	28°40'11.13"S	25° 45' 42.00"E
Tower position 19	28°40'17.22"S	25° 45' 39.57"E
Tower position 20	28°40'23.43"S	25° 45' 33.64"E
Tower position 21	28°40'29.42"S	25° 45' 34.42"E
Tower position 22	28°40'29.41"S	25° 45' 29.37"E
Tower position 23	28°40'26.75"S	25° 45' 20.08"E
Tower position 24	28°40'24.66"S	25° 45' 14.91"E
Tower position 25	28°40'30.16"S	25° 45' 12.20"E
Tower position 26	28°40'35.28"S	25° 45' 7.49"E
Tower position 27	28°40'37.61"S	25° 44' 58.99"E
Tower position 28	28°40'39.54"S	25° 44' 50.05"E
Tower position 29	28°40'41.53"S	25° 44' 41.15"E
Tower position 30	28°40'43.53"S	25° 44' 31.91"E
Tower position 31	28°40'45.26"S	25° 44' 22.90"E
Tower position 32	28°40'47.00"S	25° 44' 13.89"E
Tower position 33	28°40'48.74"S	25° 44' 4.92"E
Tower position 34	28°40'50.47"S	25° 43' 55.91"E
Tower position 35	28°40'51.03"S	25° 43' 52.92"E
Tower position 36	28°40'46.70"S	25° 43' 45.12"E
Tower position 37	28°40'42.73"S	25° 43' 37.33"E
Tower position 38	28°40'38.07"S	25° 43' 29.53"E

*MS*

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Point	Latitude	Longitude
Tower position 39	28°40'30.90"S	25° 43' 33.89"E
Tower position 40	28°40'21.60"S	25° 43' 39.57"E
Tower position 41	28°40'13.34"S	25° 43' 42.91"E