



## **environmental affairs**

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

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

**DEA Reference:** 14/12/16/3/3/1/2044

**Enquiries:** Mr Sizwe Mnkomo

**Telephone:** (012) 399 9431, **E-mail:** smnkomo@environment.gov.za

David Peinke  
Bloemsmond Solar 4 (Pty) Ltd  
101 Block A, West Quay Building  
7 West Quay Road  
**CAPE TOWN**  
8000

**Telephone number:** (021) 418 2596  
**Cellphone number:** (084) 401 9015  
**Email address:** david@atlanticep.com

### **PER E-MAIL / MAIL**

Dear Mr Peinke

### **ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, GN R982/983/984/985 AS AMENDED: DEVELOPMENT OF 100MW BLOEMSMOND 4 PHOTOVOLTAIC SOLAR FACILITY ON PORTION 5 AND PORTION 14 OF THE FARM BLOEMSMOND 455 WITHIN KAI! GARIB LOCAL MUNICIPALITY IN THE NORTHERN CAPE 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 14 (fourteen) days of the date of the EA, of the Department's 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 stipulates 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 abuses or compromises 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 prescribe 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: [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.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 [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za).

Yours faithfully

  
**Mr Sabelo Malaza**  
Chief Director: Integrated Environmental Authorisations  
Department of Environmental Affairs  
Date: 8/11/2019

cc:	Mr Dale Holder	Cape EAPrac	Tel: (044) 874 0365	Email: <a href="mailto:dale@cape-eaprac.co.za">dale@cape-eaprac.co.za</a>
	Mr Mandla Ndzilili	Northern Cape(DENC)	Tel: (053) 807 7300	Email: <a href="mailto:mndzilili@denc.gov.za">mndzilili@denc.gov.za</a>
	Mr J Mackay	Kai! Garib Local Municipality	Tel: (054) 4616700	Email: <a href="mailto:mackayj@kaigabib.org.za">mackayj@kaigabib.org.za</a>



## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

# **Environmental Authorisation**

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

**Development of 100MW Bloemsmond 4 photovoltaic solar facility on portion 5 and portion 14 of Farm Bloemsmond 455 within Kai! Garib Local Municipality in the Northern Cape Province**

**ZF Mgcawu District Municipality**

<b>Authorisation register number:</b>	<i>14/12/16/3/3/1/2044</i>
<b>Last amended:</b>	<i>First issue</i>
<b>Holder of authorisation:</b>	<i>Bloemsmond Solar 4 (Pty) Ltd</i>
<b>Location of activity:</b>	<i>Portion 5 and Portion 14 of Farm Bloemsmond 455 within Kai! Garib Local Municipality of ZF Mgcawu District Municipality, Northern Cape 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, 1998 and the EIA regulations.

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, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 the Department hereby authorises –

### **BLOEMSMOND SOLAR 4 (PTY) LTD**

with the following contact details –

David Peinke  
Bloemsmond Solar 4 (Pty) Ltd  
7 West Quay Road  
101, Block A, West Quay Building  
**CAPE TOWN**  
8000

Telephone number: (021) 418 2596  
Cell phone Number: (084) 401 9015  
E-mail Address: david@atlanticep.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 as amended (GN R. 983, 984 and 985 as amended):

Activity description	
<p><b><u>GN R. 983- Listing Notice 1: Activity 11</u></b></p> <p><i>"The development of facilities or infrastructure for the transmission and distribution of electricity –</i></p> <p><i>(i) Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kV.</i></p>	<p>Construction of the IPP portion of the onsite substation outside of an urban area. The facilities and infrastructure associated with Bloemsmond 4 will have a maximum capacity of 132 kilovolts.</p>
<p><b><u>GN R. 983- Listing Notice 1: Activity 12</u></b></p> <p><i>The development of—</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</i></p> <p><i>where such development occurs—</i></p> <p><i>(a) within a watercourse.</i></p>	<p>Construction of internal and perimeter roads as well as PV mounting structures across the ephemeral washes identified on Portion 5 and Portion 14 of the Farm Bloemsmond 455. These roads and structures will have a physical footprint exceeding 100 square metres</p>
<p><b><u>GN R. 983- Listing Notice 1: Activity 19</u></b></p> <p><i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse.</i></p>	<p>Construction of internal and perimeter roads as well as PV mounting structures across the ephemeral washes identified on the properties. The excavation and infilling associated with these roads and structures will exceed 10 cubic metres.</p>
<p><b><u>GN R. 983- Listing Notice 1: Activity 24</u></b></p> <p><i>The development of a road—</i></p> <p><i>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres.</i></p>	<p>Construction of the main access road to the proposed Bloemsmond 4 PV facility. The access road will have a width of 8m but with the inclusion of side drains will exceed a total width of more than 8m.</p>

<p><b><u>GN R. 983- Listing Notice 1: Activity 28</u></b></p> <p><i>“Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development:</i></p> <p>(ii) <i>will occur outside an urban area, where the total land to be developed is bigger than 1 hectare”</i></p>	<p>The Bloemsmond 4 PV facility is considered as commercial use, being proposed on an area used for agricultural purposes. Bloemsmond 4 will have a total footprint of approximately 268ha within a 360ha site.</p>
<p><b><u>GN R. 983- Listing Notice 1: Activity 56</u></b></p> <p><i>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre—</i></p> <p>(ii) <i>where no reserve exists, where the existing road is wider than 8 metres;</i></p>	<p>The existing access road will be widened by more than 6m in certain sections and will be lengthened by more than 1km to access the PV site.</p>
<p><b><u>GN R. 984- Listing Notice 2: Activity 1</u></b></p> <p><i>The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area.</i></p>	<p>The proposed Bloemsmond 4 comprises a renewable energy generation facility, which will utilise PV technology and will have a net generation capacity of up to 100MW.</p>
<p><b><u>GN R. 984- Listing Notice 2: Activity 15</u></b></p> <p><i>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</i></p> <p>(i) <i>the undertaking of a linear activity; or</i></p> <p>(ii) <i>maintenance purposes undertaken in accordance with a maintenance management plan”</i></p>	<p>Bloemsmond 4 will have a total footprint of approximately 268ha within a 360ha site.</p>
<p><b><u>GN R. 985- Listing Notice 3: Activity 4</u></b></p> <p><i>The development of a road wider than 4 metres with a reserve less than 13 metres.</i></p> <p>(g) Northern Cape</p> <p>(iii) Outside urban areas:</p>	<p>The access road to the project crosses a CBA in the South of the Property. This road will be 8m in width</p>

(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	
<p><b><u>GN R. 985- Listing Notice 3: Activity 12</u></b></p> <p><i>The clearance of an area of 300 square metres or more of indigenous vegetation.</i></p> <p>(g) Northern Cape</p> <p>(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></p> <p>(ii) <i>Within critical biodiversity areas identified in bioregional plans.</i></p>	<p>The access road to the project crosses a CBA in the South of the Property. The construction of this section of road will require the removal of approximately 21616 square metres of vegetation within this CBA.</p>
<p><b><u>GN R. 985- Listing Notice 3: Activity 14</u></b></p> <p><i>The development of—</i></p> <p>(ii) <i>infrastructure or structures with a physical footprint of 10 square metres or more.</i></p> <p>(g) Northern Cape</p> <p>(ii) <i>Outside urban areas:</i></p> <p>(ff) <i>Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</i></p>	<p>The access road to the project crosses a CBA in the South of the Property. This section of road within the CBA will have a footprint of approximately 21616 square metres.</p>

- as described in the final Basic Assessment Report (BAR) dated 09 September 2019 at:

**Bloemsmond 4 PV:**

Bloemsmond 455	Portion 5
Bloemsmond 455	Portion 14

**21 SG Code:**

C	0	2	8	0	0	0	0	0	0	0	0	0	4	5	5	0	0	0	1	4
C	0	2	8	0	0	0	0	0	0	0	0	0	4	5	5	0	0	0	0	5

**Project Site Co-ordinates:**

	Latitude (S)	Longitude (E)
North-West Corner:	28°33'33.37"S	21°00'13.55"E
North-East Corner:	28°33'34.92"S	21°01'15.32"E
South-West Corner:	28°34'56.85"S	21°00'59.66"E
South-East Corner:	28°34'46.40"S	21°01'52.04"E

- for the development of 100 MW Bloemsmond 4 Photovoltaic solar facility on portion 5 and portion 14 of farm Bloemsmond 455 within Kailash Local Municipality in the Northern Cape Province, hereafter referred to as "the property".

**The proposed project will have the following key infrastructure:**

The PV energy facility is to consist of solar photovoltaic (PV) technology, fixed-tilt-, single-axis tracking- or dual-axis tracking- mounting structures, with a net generating capacity of 100 MW as well as associated infrastructure.

- On-site switching-station / substation;
- Auxiliary buildings (gate-house and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);
- Inverter-stations, transformers and internal electrical reticulation (underground cabling);
- Access and internal road network;
- Laydown area;
- Bloemsmond 4 will connect from the on-site substation to the Upington MTS via the Bloemsmond collector substation (this basic assessment process only includes the IPP portion of the on-site substation, while the remainder of the grid connection is being assessed as part of a separate basic assessment process).
- Rainwater tanks; and
- Perimeter fencing and security infrastructure.



## Component details

Infrastructure	Dimensions/Details
<b>Location of the site</b>	Approximately 25km West of Upington along the N14
<b>PV Panel area</b>	A maximum of 250ha with a total project footprint of approximately 268ha
<b>Size of the study area</b>	360ha
<b>Development Footprint</b>	Approximately 268ha, (This includes the total footprint of PV panels, auxiliary buildings, onsite substation, inverter stations and internal roads.)
<b>Capacity of the facility</b>	100 MW
<b>Type of technology</b>	Solar photovoltaic (PV) with either of fixed-tilt, single-axis tracking or dual-axis tracking mounting structures.
<b>Structure height</b>	Solar panels a maximum of $\pm 3.5$ m from ground level
<b>Surface area to be covered</b>	Approximately 268ha, (including associated infrastructure such as roads)
<b>Structure orientation</b>	Fixed-tilt: north-facing at a defined angle of tilt single-axis: horizontal axis tracking from east to west.
<b>Laydown area dimensions</b>	Approximately 2-5ha of laydown area will be required (the laydown areas will not exceed 5ha and will be situated within the assessed footprint).
<b>SG Codes</b>	PV development on: C02800000000045500014 C02800000000045500005 Access road on: C02800000000045500025
<b>Preferred Site access</b>	The Eastern Access Alternative from the N14.
<b>Width and length of internal roads</b>	Roads - width: up to 8m, length: up to 15km

## **Conditions of this Environmental Authorisation**

### **Scope of authorisation**

1. The development of 100 MW Bloemsmond 4 Photovoltaic solar facility on portion 5 and portion 14 of farm Bloemsmond 455 within Kail! Garib Local Municipality in the Northern Cape Province is hereby approved as per the geographic coordinates indicated above.
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 five (05) 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. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

### **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. A final site layout plan submitted as part of the BAR dated 09 September 2019 is hereby approved.
13. Furthermore, a shapefile of the approved development layout/footprint must be submitted to this Department within two months from the date of this decision. The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree Format using the WGS 84 Spheroid. The shapefile must include at a minimum the following extensions i.e. .shp; .shx; .dbf; .prj; and, .xml (Metadata file). If specific symbology was assigned to the file, then the .avl and/or the .lyr file must also be included. Data must be mapped at a scale of 1:10 000 (please specify if an alternative scale was used). The metadata must include a description of the base data used for digitizing. The shapefile must be submitted in a zip file using the EIA application reference number as the title. The shape file must be submitted to:

**Postal Address:**

Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Department of Environmental Affairs  
Environment House  
473 Steve Biko, Arcadia  
Pretoria

For Attention: Mr Muhammad Essop  
Integrated Environmental Authorisations  
Strategic Infrastructure Developments  
Telephone Number: (012) 399 9406  
Email Address: MEssop@environment.gov.za

14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 09 September 2019 is hereby approved. The approved EMPr must be implemented, adhered to 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.
15. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved EMPr 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 GN R. 982. 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 GN R.982. 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 may 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 GN R.982. 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 GN R. 982.
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. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
33. Before the clearing of the site, the appropriate permits must be obtained from the Department of Environmental, Forestry and Fisheries (DEFF) for the removal of plants listed in the National Forest Act and from the relevant provincial department for the destruction of species protected in terms of the specific provincial legislation. Copies of the permits must be made available to this Department on request.
34. All areas of disturbed soil must be reclaimed using only indigenous grass and shrubs. Reclamation activities must be undertaken according to the EMPr.
35. Topsoil from all excavations and construction activities must be salvaged and reapplied during reclamation.
36. Cleared alien vegetation must not be dumped on adjacent intact vegetation during clearing but must be temporarily stored in a demarcated area.
37. Signs must be placed along construction roads to identify speed limits, travel restrictions, and other standard traffic control information. To minimize impacts on local commuters, consideration should be given to limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time.
38. A designated access to the site must be created and clearly marked to ensure safe entry and exit.
39. Construction vehicles carrying materials to the site must avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
40. Should abnormal loads have to be transported by road to the site, a permit must be obtained from the relevant authorities.
41. The holder of this authorisation must train safety representatives, managers and workers in workplace safety. The construction process must be compliant with all safety and health measures as prescribed by the relevant legislation.

42. No temporary site camps will be allowed outside the footprint of the development area as the establishment of such structures might trigger a listed activity as defined in the Environmental Impact Assessment Regulations.
43. Foundations and trenches must be backfilled with originally excavated materials as much as possible. Excess excavation materials must be disposed of only in approved areas or, if suitable, stockpiled for use in reclamation activities.
44. Appropriate dust suppression techniques must be implemented on all exposed surfaces during periods of high wind. Such measures may include wet suppression, chemical stabilisation, the use of a wind fence, covering surfaces with straw chippings and re-vegetation of open areas.
45. The washing of panels during maintenance must be done with biodegradable soaps to avoid soil contamination and poisoning of small animals must be done in an environmentally friendly manner, including avoiding the use of herbicides and using manual clearing methods wherever possible.
46. Any vegetation clearing that needs to take place as part of maintenance activities, should be done in an environmentally friendly manner, including avoiding the use of herbicides and using manual clearing methods wherever possible.
47. During operation, any electrocution and collision events that occur should be recorded, including the species affected and the date. If repeated collisions occur within the same area, then, further mitigation and avoidance measures may need to be implemented.
48. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options where appropriate. Where solid waste is disposed of, such disposal shall only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).
49. 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, the South African Heritage Resources Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources must be made.

## **General**

50. The recommendations of the EAP in the BAR dated 09 September 2019 and the specialist studies attached must be adhered to. In the event of any conflicting mitigation measures and conditions of the Environmental Authorisation, the specific condition of this Environmental Authorisation will take preference.



51. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 51.1. at the site of the authorised activity;
  - 51.2. to anyone on request; and
  - 51.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
52. 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: 8/11/2019



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

## **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 08 August 2019.
- b) The information contained in the final BAR dated 09 September 2019.
- c) The comments received from interested and affected parties as included in the final BAR dated 09 September 2019.
- d) Mitigation measures as proposed in the final BAR and the EMPr dated 09 September 2019.
- e) The information contained in the specialist studies contained within the appendices of the final BAR dated 09 September 2019.

### **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 final BAR dated 09 September 2019 identified all legislations and guidelines that have been considered in the preparation of the BAR.
- d) The methodology used in assessing the potential impacts identified in the final BAR dated 09 September 2019 and the specialist studies have been adequately indicated.
- e) 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.

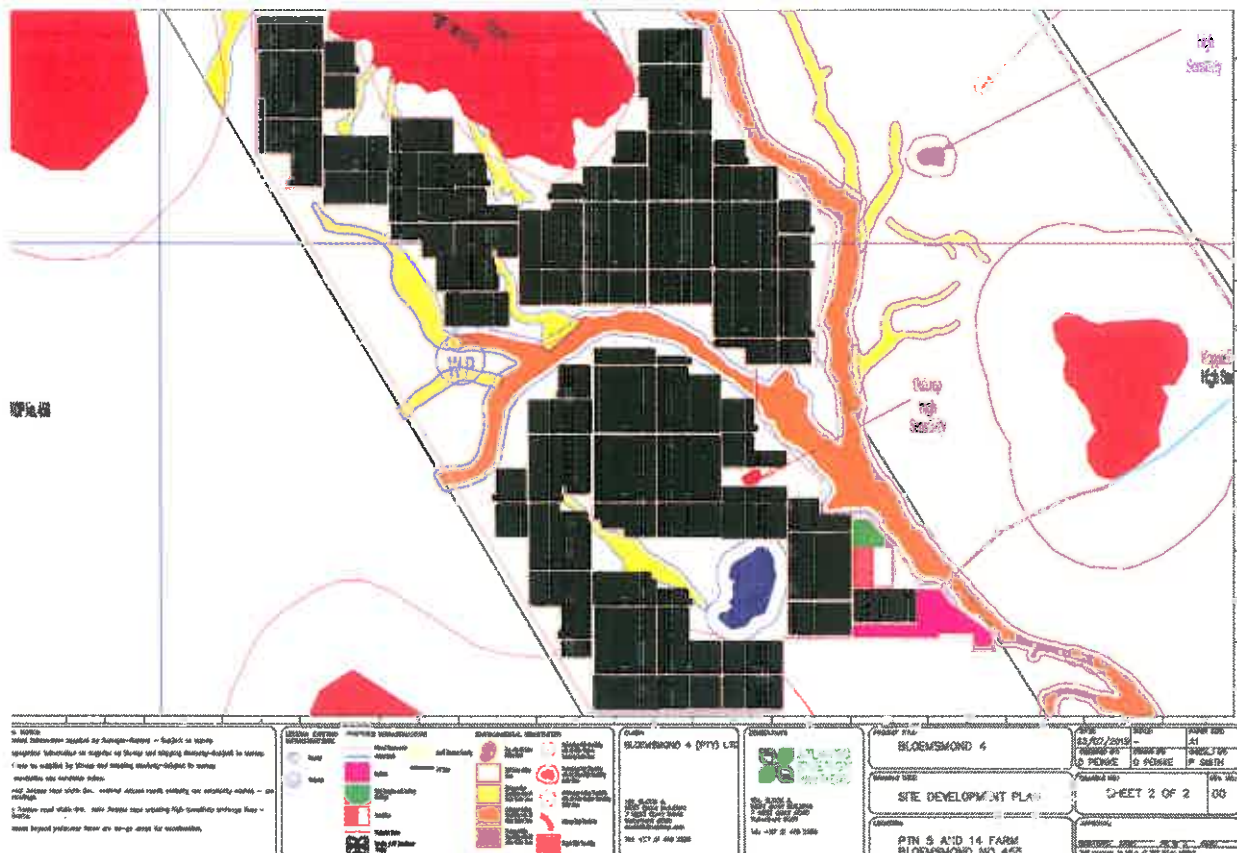
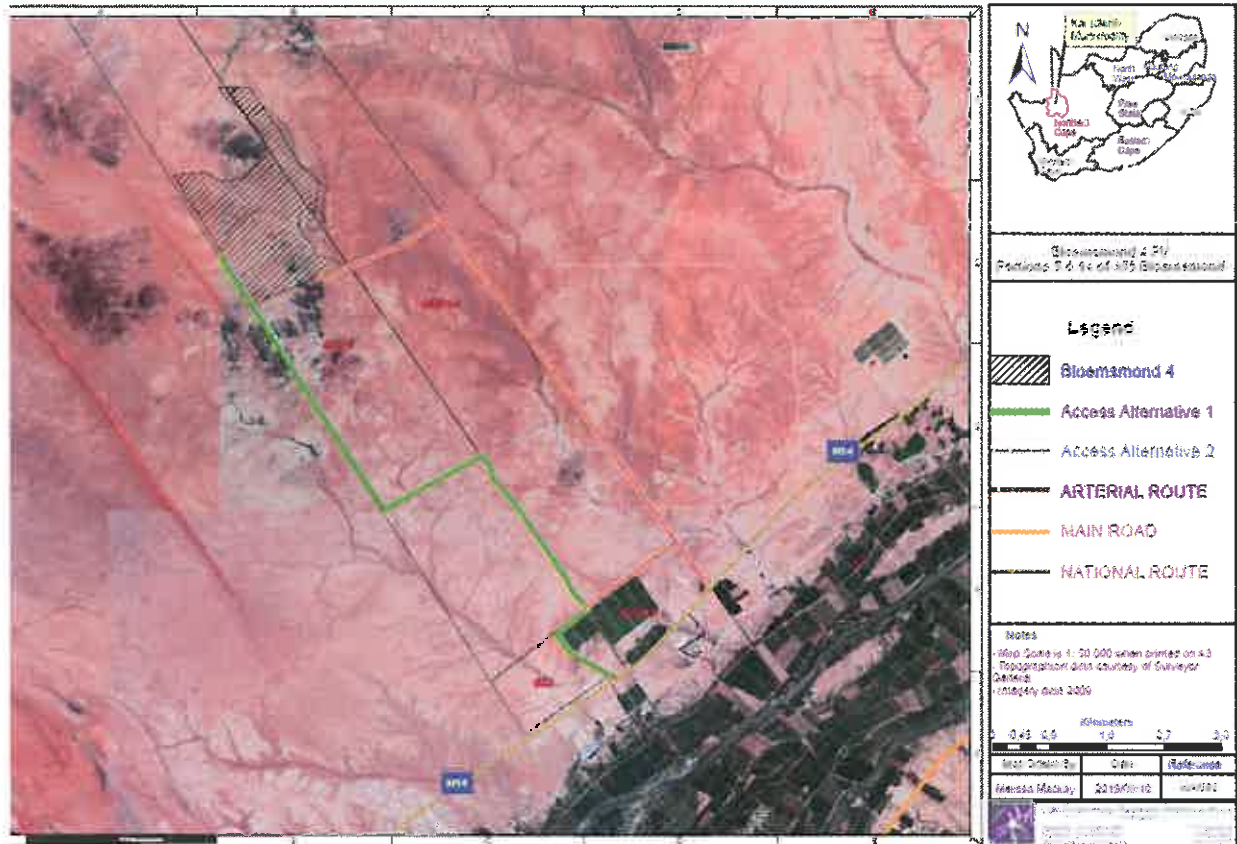
### **3. Findings**

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 BAR dated 09 September 2019 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 proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) EMPr proposed mitigation measures for the pre-construction, construction and rehabilitation phases of the development and were included in the BAR. The EMPr 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 Map



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