



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: 14/12/16/3/3/2/1108

Enquiries: Mr Thando Booï

Telephone: (012) 399 9387, **E-mail:** TBooi@environment.gov.za

Louis van Heerden
ILEnergy Development (Pty) Ltd
P.O. Box 706,
BETTY'S BAY
7141

Cellphone number: (072) 793 9133
Email address: louis@ilenergysa.com

PER E-MAIL / MAIL

Dear Sir/ Madam

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, GN R982/983/984 AS AMENDED: PROPOSED CONSTRUCTION OF THE ALLEPAD FOUR, 100 MW PHOTOVOLTAIC SOLAR ENERGY GENERATION FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR UPINGTON WITHIN DAWID KRUIPER 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 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

MS

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;

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 or request a copy of the documents at appealsdirector@environment.gov.za.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Date: 01/07/2019

cc:	Ms Karen Jodas	Savannah Environmental (Pty) Ltd	Tel: (011) 656 3237	Email: karen@savannahsa.com
	Bryan Fisher	Northern Cape(DENC)	Tel: (053) 807 7431	Email: BFischer@ncpg.gov.za
	Elias Ntoba	Dawid Kruiper Local Municipality	Tel: (054) 338 7001	Email: manager@kharahais.gov.za





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

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

The construction of the Allepad Four, 100 MW Photovoltaic solar energy generation facility and associated infrastructure near Upington, Northern Cape Province

ZF Mgcawu District Municipality

Authorisation register number:	14/12/16/3/3/2/1108
Last amended:	First issue
Holder of authorisation:	ILEnergy Development (Pty) Ltd
Location of activity:	Remaining extent of Erf 5315 and Erf 01 of Upington, Dawid Kruiper Local Municipality of ZF Mgcawu District Municipality, Northern Cape 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.

M.S

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 –

IENERGY DEVELOPMENT (PTY) LTD

with the following contact details –

Louis van Heerden

P.O. Box 706

BETTY'S BAY

7141

Cell phone Number: (072) 793 9133

E-mail Address: louis@ilenergysa.com

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

Activity number	Activity description
<p><u>GN R. 983- Listing Notice 1: Activity 11</u></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>The project entails the construction of a new 132 KV on-site substation (up to 1ha) and a new 132 KV double circuit power line required to evacuate electricity generated by the project in the national grid. The project site is located outside of the urban edge as identified in the Dawid Kruiper Local Municipality Spatial Development Framework.</p>
<p><u>GN R. 983- Listing Notice 1: Activity 28</u></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 project comprises an industrial development, outside an urban area and will result in the transformation of approximately 250 ha of land equivalent to the size of the development footprint which is currently utilised for agricultural grazing purposes.</p>
<p><u>GN R. 984- Listing Notice 2: Activity 1</u></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</i></p> <p>(a) <i>within an urban area"</i></p> <p>(b) <i>on existing infrastructure.</i></p>	<p>The project comprises a renewable energy generation facility, which will utilise ground mounted PV technology and will have a generation capacity of up to 100MW. The project site is located outside of the urban edge as identified in the Dawid Kruiper Local Municipality Spatial Development Framework.</p>
<p><u>GN R. 984- Listing Notice 2: Activity 15</u></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>The project requires the clearance of an area of up to 250 ha (equivalent to the development footprint) of vegetation. The project is proposed on an agricultural property where the predominant</p>

Activity number	Activity description
(ii) maintenance purposes undertaken in accordance with a maintenance management plan"	land use is livestock grazing. The project would therefore result in the clearance of an area of land greater than 20ha of indigenous vegetation.

- as described in the final Environmental Impact Assessment Reports (EIAr) dated April 2019 at:

Allepad PV Four and grid connection:

Farm name: Remaining Extent of Erf 5315 and Erf 01 Upington

21 SG Code:

C	0	2	8	0	0	0	7	0	0	0	0	5	3	1	5	0	0	0	0	0
C	0	2	8	0	0	0	7	0	0	0	0	0	0	0	1	0	0	0	0	0

Project Site Co-ordinates:

	Latitude (s)	Longitude (e)
Northern extent	28°21'21.62"S	21°08'16.64"E
Western extent	28°22'05.50"S	21°22'13.23"E
South-western extent	28°23'47.45"S	21°04'36.13"E
Southern extent	28°24'20.20"S	21°08'21.81"E
Eastern extent	28°23'13.52"S	21°10'04.64"E

Power Line Corridor Co-ordinates:

	Latitude (s)	Longitude (e)
Northern extent	28°23'36.23"S	21°04'26.79"E
Eastern extent	28°24'39.30"S	21°11'42.56"E
Southern extent	28°24'48.31"S	21°11'36.54"E
Western extent	28°23'47.46"S	21°04'36.11"E

- for the proposed construction of the Allepad Four, 100 MW Photovoltaic solar energy generation facility and associated infrastructure near Upington within Dawid Kruiper Local Municipality in Northern Cape Province, hereafter referred to as "the property".

The PVSEF, which will have a maximum generating capacity of up to 100MW, which generally consist of the following:

- Arrays Photovoltaic (PV) panels with a generation capacity of up to 100MW;
- Mounting structures to support PV panel;
- Combiner boxes, on site inverters (to convert the power from Direct Current (DC) to Alternating Current (AC)), and power transformers.
- A 132kV on-site substation up to 1ha in extent to facilitate the connection between the solar energy facility and the Eskom electricity grid.
- A new 132 kV double circuit power line which will make use of a loop in and out configuration utilising a double circuit monopole construction), approximately 11.7km in length, between the on-site substation and Eskom grid connection.
- Cabling between the project's components (to be laid underground where practical).
- Meteorological measurement station.
- An energy storage area up to 2ha in extent.
- Access road and internal access road network.
- On site buildings and structures, including a control building and office, ablutions and guard house.
- Perimeter security fencing, access gates and lighting.
- Temporary construction equipment camp up to 1ha in extent, including temporary site offices, parking and chemical ablution facilities.
- Temporary laydown area up to 1ha in extent, for storage of materials during the construction and concrete batching plant.

Planned infrastructure proposed as part of Allepad PV One:

Infrastructure	Dimensions/ Details
Solar Facility	<ul style="list-style-type: none"> - PV technology. - Solar panels up to 3.5m in height. - Fixed-tilt, single-axis tracking, or dual-axis (double-axis) tracking systems. - Combiner boxes, on-site inverters (to convert the power from DC to AC), and distribution power transformers. - PV structures / modules approximately 234ha in extent (depending on the type of support structure selected for implementation (i.e. static vs tracking)). - Centralized or distributed self-contained inverter stations approximately 2m tall.

Infrastructure	Dimensions/ Details
Energy Storage	<ul style="list-style-type: none"> - Up to 2ha in extent. - Batteries will be stored in self-contained units comprising of up to 40 standard ("45 foot") specially adapted shipping containers.
Supporting Infrastructure	<ul style="list-style-type: none"> - On-site buildings and structures up to 1ha in extent, including a control building and office, - Meteorological measurement station located close the control building. - Ablutions and guard house. - Perimeter security fencing, access gates and lighting up to 2.8m in height. - Temporary construction equipment camp up to 1ha in extent, including temporary site offices, parking and chemical abluion facilities. - Temporary laydown area up to 1ha in extent, for the storage of materials during the construction including a batching plant.
On-site substation	<ul style="list-style-type: none"> - On-site substation at 132kV and approximately 120MVA capacity. - Will occupy an area up to 1ha in extent.
Grid Connection	<ul style="list-style-type: none"> - A 132kV double-circuit power line, which will make use of a loop-in and loop-out configuration utilising a double-circuit monopole construction. - The power line will be approximately 11.7km in length. - A 300m wide power line corridor (i.e. 150m on either side of the centerline of the power line) has been identified along the southern boundary of the project site, immediately north of, and running parallel to, the N10 national road, within which a power line servitude will be established. - The power line servitude will be 31m (but could be up to 36m wide i.e. up to 18m on either side of the center-line due to building restriction). - The towers required to support the power line will be 20m to 30m in height.
Access road	<ul style="list-style-type: none"> - Access to the PV site will be via the existing official farm entrance which is accessed off the N10 national road. - Permanent access roads will be constructed as follows: <ul style="list-style-type: none"> o Main access road (to be gravel) – 6m wide and approximately 4.1km in length. o Internal access road – 6m wide and approximately 8.2km in length (to be gravel). o Shared access road - 6m wide and approximately 4.5km in length (to be gravel).

MS

Infrastructure	Dimensions/ Details
Water Supply	<ul style="list-style-type: none">- Approximately 2 800m³ of water per year is required during construction (up to 18 months).o Up to 800m³ for the batching planto Up to 2 000m³ for dust suppression- Up to 2 000m³ of water is required per year for operation (anticipated for at least 20 years) for washing of the solar panels.- The following water supply options are currently being considered:<ul style="list-style-type: none">o Sourcing potable water from the Dawid Kruiper LM (already piped onsite).o Sourcing raw water from the Dawid Kruiper LM (Upington water treatment works or nearest bulk water supply point).

Conditions of this Environmental Authorisation

Scope of authorisation

1. The proposed Allepad Four, 100 MW Photovoltaic solar energy generation facility and associated infrastructure near Upington within Dawid Kruiper Local Municipality in 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 EIAr is not approved. A copy of the final site layout map must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity with the amended EMPr. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
 - 12.1. Solar panels;
 - 12.2. Steel arrays and racks on concrete foundations
 - 12.3. Inverters stations; and
 - 12.4. Internal roads
 - 12.5. All associated infrastructures; and
 - 12.6. All "no-go" and buffer areas
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

Frequency and process of updating the EMPr

14. The Environmental Management Programme (EMPr) submitted as part of the EIAr is not approved and must be amended to include the provisions of this environmental authorisation. The EMPr must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final EMPr must be submitted to the Department for written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhered to.
15. The EMPr amendment must also include the following:
 - 15.1. The final site layout map;
 - 15.2. All recommendations and mitigation measures recorded in the EIAr;
 - 15.3. All mitigation measures as listed in the specialist reports within the EIAr; and
 - 15.4. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
16. The final amended EMPr (once approved) 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.
17. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
18. 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

19. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 30 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.
20. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
21. 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.
22. 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.
23. 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

24. 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.
 - 24.1. The ECO must be appointed before commencement of any authorised activities.
 - 24.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.

- 24.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 24.4. 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

25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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

31. 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

32. 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

33. 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

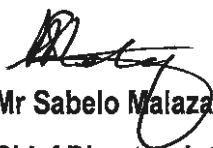
34. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
 35. Before the clearing of the site, the appropriate permits must be obtained from the Department of Agriculture, Forestry and Fisheries (DAFF) for the removal of plants 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.
 36. All areas of disturbed soil must be reclaimed using only indigenous grass and shrubs. Reclamation activities must be undertaken according to the EMPr.
 37. Topsoil from all excavations and construction activities must be salvaged and reapplied during reclamation.
 38. Cleared alien vegetation must not be dumped on adjacent intact vegetation during clearing but must be temporarily stored in a demarcated area.
 39. 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.
 40. A designated access to the site must be created and clearly marked to ensure safe entry and exit.
 41. 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.
 42. Should abnormal loads have to be transported by road to the site, a permit must be obtained from the relevant authorities.
-

43. 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.
44. 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).
45. The holder of this authorisation must take note that 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.
46. 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.
47. 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.
48. A 100m and 30m no-go buffer zones must be demarcated around site 0526 and burial site 0506.
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.
50. 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.
51. 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.
52. 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.

General

53. The recommendations of the EAP in the EIAr dated April 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.
54. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 54.1. at the site of the authorised activity;
 - 54.2. to anyone on request; and
 - 54.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
55. 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: 01/07/2019



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 12 October 2018.
- b) The information contained in the final EIAr dated April 2019.
- c) The comments received from interested and affected parties as included in the final EIAr dated March 2019.
- d) Mitigation measures as proposed in the final EIAr and the EMPr dated April 2019.
- e) The information contained in the specialist studies contained within the appendices of the final EIAr dated April 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 EIAr dated April 2019 identified all legislations and guidelines that have been considered in the preparation of the EIAr.
- d) The methodology used in assessing the potential impacts identified in the final EIAr dated April 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.

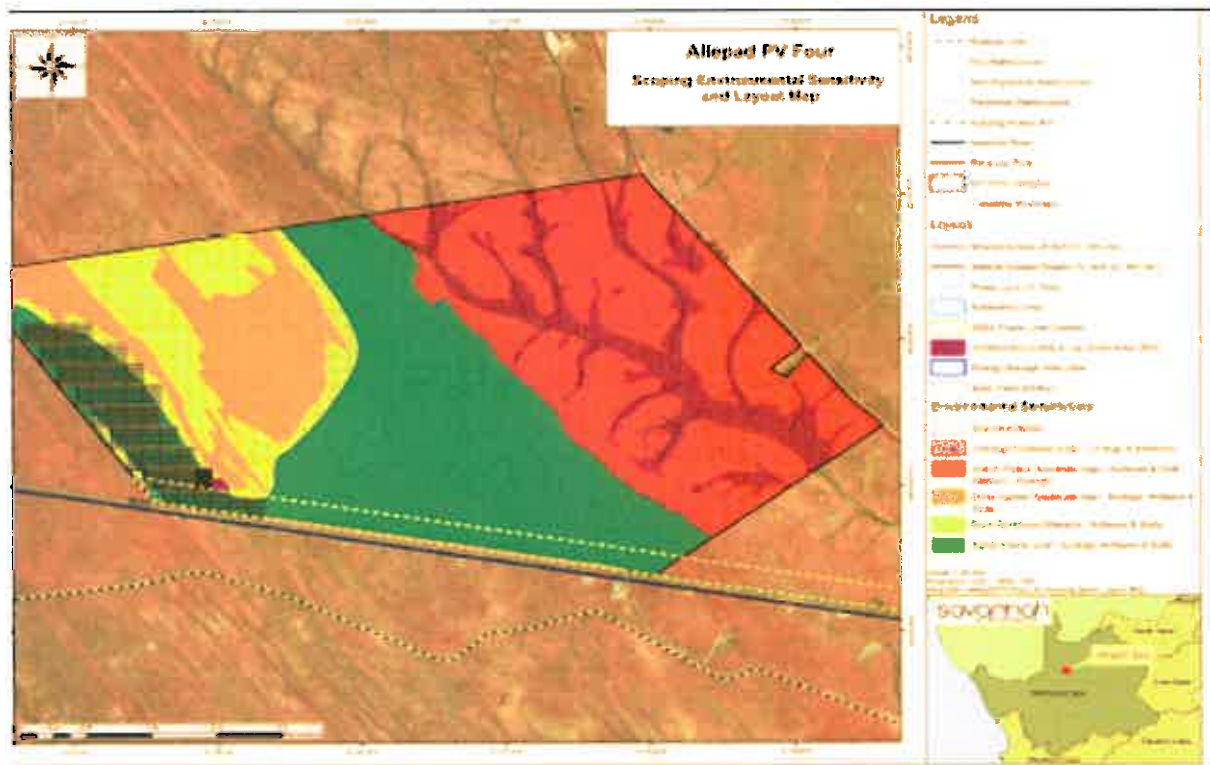
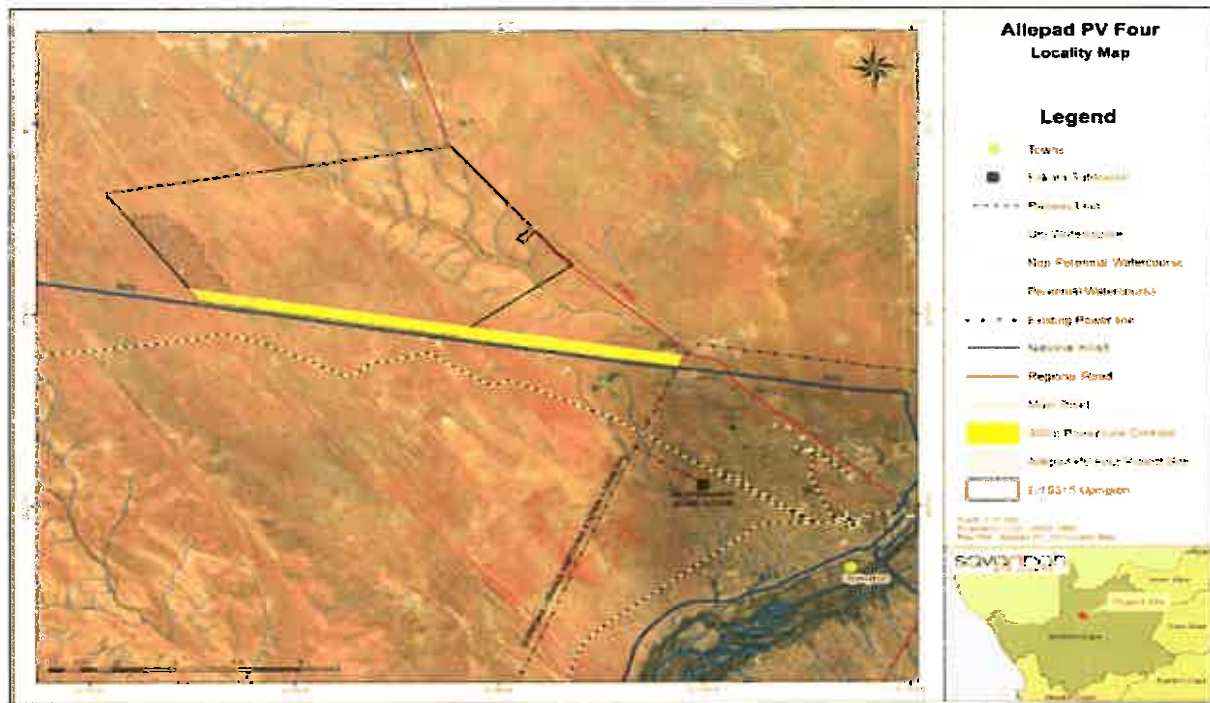
3. Findings

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 EIAR dated April 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 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 Map



MS