



EA AMENDMENT APPLICATION FORM

for

HOTAZEL 2 SOLAR ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE

In terms of the
**National Environmental Management Act, 1998 (Act No.
107 of 1998), as amended & Environmental Impact
Regulations 2014**

Prepared for Applicant: Hotazel Solar Facility 2 (Pty) Ltd

Date: 12 October 2022

Author of Report: Dale Holder

Author Email: dale@cape-eaprac.co.za

Report Reference: JMO637/13

Department Reference: 14/12/16/3/3/2/2017 (2022-09-0036)

Case Officer: Mathlodi Mogorosi

Cape EA Prac

Cape Environmental Assessment Practitioners

Tel: +27 44 874 0365 PO Box 2070, George 6530
Fax: +27 44 874 0432 17 Progress Street, George

www.cape-eaprac.co.za



APPOINTED ENVIRONMENTAL ASSESSMENT PRACTITIONER:

Cape EAPrac Environmental Assessment Practitioners

PO Box 2070

George

6530

Tel: 044-874 0365

Fax: 044-874 0432

Report written & compiled by: Mr Dale Holder (Ndip NatCon), who has 18 years' experience as an environmental practitioner.

Registration: Director **Louise-Mari van Zyl** (MA Geography & Environmental Science [US]; Registered Environmental Assessment Practitioner with the Environmental Assessment Practitioners of South Africa, EAPSA, Registration Number **2019/1444**. Ms van Zyl has over sixteen years' experience as an environmental practitioner.

PURPOSE OF THIS REPORT:

Application for Amendment of an Environmental Authorisation

APPLICANT:

Hotazel Solar Facility 2 (Pty) Ltd

CAPE EAPRAC REFERENCE NO:

JMO637/13

SUBMISSION DATE

12 October 2022

EA AMENDMENT APPLICATION FORM

in terms of the
National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended &
Environmental Impact Regulations 2014

Hotazel 2 Solar Energy Facility and Associated Infrastructure

The Remaining Extent (Portion 0) of the farm York A 279, and associated infrastructure on Portion 11 of Farm York A 279, Remaining Extent of Portion 3 of the Farm York 279 and the Remaining Extent (Portion 0) of the Farm Hotazel 280 situated in the District of Hotazel in the Northern Cape Province.

Submitted for:

Stakeholder Review & Comment

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Report Issued by:

Cape Environmental Assessment Practitioners

Tel: 044 874 0365
Fax: 044 874 0432
Web: www.cape-eaprac.co.za

PO Box 2070
17 Progress Street
George 6530

ORDER OF REPORT

EA Amendment Application

- Appendix 1 : Approval of Public Participation Plan¹
- Appendix 2 : Certified Copies of EA and any Amendments
- Appendix 3 : Proof of Payment / ~~Motivation for Exclusion~~
- Appendix 4 : Landowner Consent
- Appendix 5 : Strategic Infrastructure Projects
- Appendix 6 : EAP Declaration of Independence
- Appendix 7 : Amendment Assessment Report
- Appendix 8 : Updated layout plan showing the position of the BESS
- Appendix 9 : Power of attorney for new contact details of holder of EA.

¹ Confirmation from the competent authority that a pre-application meeting is not necessary is attached.

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forestry, fisheries & the environment

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

APPLICATION FORM FOR AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION

Application for amendment to a valid Environmental Authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Hotazel 2 on Remainder Farm York A 279 and associated infrastructure on Portion 11 of Farm York A 279, Remaining Extent of Portion 3 of the Farm York 279 and the Remaining Extent (Portion 0) of the Farm Hotazel 280 situated in the District of Hotazel in the Northern Cape Province.

Indicate if the **DRAFT** report accompanies the application

YES	✓
NO	

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	YES		NO	✓
Date of the pre-application meeting	No pre application was held in respect of this application.			
Reference number of pre-application meeting held	None			
Was minutes compiled and submitted to the Department for approval	YES		NO	✓

The competent Authority has confirmed that no pre application meeting is required. This is attached in Appendix 1.

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

1. This form must be used to apply for the Amendment of an Environmental Authorisation where this Department is the Competent Authority. An amendment includes:
 - a) adding, substituting, removing or changing a condition or requirement of an Environmental Authorisation, or
 - b) updating or changing any details or correcting a technical error.
2. This form is current as of **April 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.
4. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.
5. An electronic copy of the signed application form must be submitted of both the Applicant and EAP.
6. This form must be marked **“for Attention: Chief Director: Integrated Environmental Authorisations”** and submitted to the Department at the format as prescribed in the process to upload documents form.
7. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).
8. Where applicable black out the boxes that are not applicable in the form.
9. The use of the phrase “not applicable” in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the rejection of the application as provided for in the Regulations.
10. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
11. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
12. Please note that this form must be copied to the relevant Provincial Environmental Department(s).
13. Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form.
14. An application for Amendment of the Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

Departmental Details

Online Submission:

EIAapplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to be submitted to this Department.

Postal address:

Department of Forestry, Fisheries and the Environment

Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1 COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

National Department of Forestry, Fisheries and the Environment (DFFE).

Reason(s) in terms of S24C of NEMA:

DFFE was the competent authority who took the decision on 14/12/16/3/3/2/2017 and remains as such in respect of this application. Furthermore, the project is for the generation and distribution of electricity in terms of the IRP and as such, has National Competence

2 FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 3** of this application form.

Proof of payment attached	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Payment Reference Number	14/12/16/3/3/2/2017	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an Amendment of an Environmental Authorisation	<input checked="" type="checkbox"/> R2 000

Department of Department of Forestry, Fisheries and the Environment banking details for the payment of application fees:

Payment Enquiries:

Email: eiafee@environment.gov.za

Banking details:

ABSA Bank

Branch code: 632005

Account number: 1044 2400 72

Current account

Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude

eg. -33.918861/18.423300

Status: Tax exempted

3 GENERAL INFORMATION

Name in which the EA was issued to	Hotazel Solar Facility 2 (Pty) Ltd		
Name of the Applicant:	Hotazel Solar Facility 2 (Pty) Ltd		
RSA Identity/ Passport Number:	Applicant is juristic person and not an individual.		
Name of contact person for applicant (if other):	Zandri Hill		
RSA Identity/ Passport Number:	920611 0151 085		
Responsible position, e.g. Director, CEO, etc.:	Senior Project manager		
Company/ Trading name (if any):	NA		
Company Registration Number:	2019/506341/07		
BBBEE status:	NA		
Physical address:	Unit B1 Mayfair Square, Century Way, Century City, Cape Town		
Postal address:	Unit B1 Mayfair Square, Century Way, Century City, Cape Town		
Postal code:	7441	Cell:	+27 (0)76 104 1372
Telephone:	021 276 3620	Fax:	086 595 4668
E-mail:	Cape-town@abo-wind.com		

Name of the landowner:	Jansen Boerdery Trust		
Name of contact person for landowner (if other):	Mr PAC Jansen		
Postal address:	PO Box 235 Kuruman		
Postal code:	8460	Cell:	082 319 6095

Telephone:	082 319 6095	Fax:	NA
E-mail:	Pac.jansen@vodamail.co.za		

Name of Person in control of the land:	Jansen Boerdery Trust		
Name of contact person for person in control of the land:	Mr PAC Jansen		
Postal address:	PO Box 235 Kuruman		
Postal code:	8460	Cell:	082 319 6095
Telephone:	082 319 6095	Fax:	NA
E-mail:	Pac.jansen@vodamail.co.za		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 4**.

Certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form

Provincial Environmental Authority:	Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land Reform		
Name of contact person:	Mr Denver van Heeden (Head of Department)		
Postal address:	Private Bag X6120, Kimberly		
Postal code:	8420	Cell:	083 625 6437
Telephone:	053 807 7306	Fax:	053 832 7842
E-mail:	dvaheeden@ncpg.gov.za		

Local Municipality:	Joe Morolong Local Municipality		
Name of contact person in (Environmental Section)	Mr Tshepo Mac Donald Bloom (Municipal Manager)		
Postal address:	Private Bag X117, Mothibistad		
Postal code:	8474	Cell:	NA
Telephone:	053 773 9300	Fax:	053 773 9350
E-mail:	registry@joemorolong.gov.za		

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/ Provincial Authorities with their contact details.

4 ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	Cape Environmental Assessment Practitioners (Cape EAPrac)		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
			100
EAP name:	Ms Louise-Mari van Zyl		
EAP Qualifications:	Dale Holder – project assistant: Ndip NatCon 18 years experience as an EAP.		

Professional affiliation/registration:	Director Louise-Mari van Zyl (MA Geography & Environmental Science [US]; Registered Environmental Assessment Practitioner with the Environmental Assessment Practitioners of South Africa, EAPSA, Registration Number 2019/1444 . Ms van Zyl has over nineteen years' experience as an environmental practitioner.		
Physical address:	17 Progress Street, George, 6529		
Postal address:	PO Box 2070, George		
Postal code:	6530	Cell:	071 603 4132
Telephone:	044 874 0365	Fax:	044 874 0432
E-mail:	dale@cape-eaprac.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

If appointed, the declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as

5 DETAILS OF IMPLEMENTATION OF PREVIOUS ENVIRONMENTAL AUTHORISATION

Reference Number of EA:	14/12/16/3/3/2/2017
Date EA issued:	02 August 2021
Reference Number of all amendments issued with its respective dates:	None
<u>Date EA expires:</u> N.B. Regulation 28(1)(A) of the EIA Regulations 2014, as amended states that <i>“The competent authority shall not accept or process an application for amendment of an environmental authorisation if such environmental authorisation is not valid on the day of receipt of such amendment application...”</i>	02 August 2031

Was the activity commenced with during the validity period of the environmental authorisation? If yes, please describe the implementation of the previous environmental authorisation to date:	YES	✓NO
No physical activities have commenced on site. The EA however remains valid until 02 August 2031.		

6 AMENDMENTS APPLIED FOR AND RELATED INFORMATION

Please indicate if the amendment being applied for falls within the ambits of a Part 1 of Part 2 amendment, as outlined in Chapter 5 of the EIA Regulations, 2014 as amended.

Part 1	Part 2
	✓

Please note, that whilst this has been indicated, the Department will when acknowledging receipt agree or disagree with the amendment being applied for, and the process to be followed must be that as outlined in the official acknowledgement letter.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	YES	✓NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES	✓NO
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	✓NO
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP	YES	✓NO

If **YES**, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
- For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 5 and attach the** confirmation of SIP applications from the relevant sector representative in **APPENDIX 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

Please indicate which of the following is relevant:

6.1. The holder of an environmental authorisation may at any time apply to the relevant Competent Authority for the amendment of the authorisation if:

(a) there is a material change in the circumstances which existed at the time of the granting of the environmental authorisation;	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(b) there has been a change of ownership in the property and transfer of rights and obligations must be provided for; or	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
(c) any detail contained in the environmental authorisation must be amended, added, substituted, corrected, removed or updated.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Describe the amendments that are being applied for:
<p>The applicant is proposing the following changes to the existing environmental authorisation:</p> <ul style="list-style-type: none"> - Updating the contact details of the Holder of the EA. - addition of a Battery Energy Storage System of up to 5ha within the authorised footprint of the facility. <p>In order accommodate these proposed changes, the following amendments to the EA are required.</p>
AMENDMENT 1
Page 2 of the EA, reflects the contact details of the holder of the EA as follows:
<p>Mr Robert Wagener Hotazel Solar Facility 2 (Pty) Ltd Unit B1 Mayfair Square Century Way CENTURY CITY 7441</p> <p>Telephone number: (021) 276 3620</p> <p>E-mail address: robert.wagener@abo-wind.com</p>
<u>This should be amended to:</u>

Ms Zandri Hill
Hotazel Solar Facility 2 (Pty) Ltd
Unit B1 Mayfair Square
Century Way
CENTURY CITY
7441
Telephone Number: 021 276 3620
Email Address: cape-town@abo-wind.com

AMENDMENT 2

Page 5 of the EA describes the associated infrastructure as follows:

The associated infrastructure will comprise the following:

- On-site substation / collector switching station;
- Auxiliary buildings (gatehouse and security offices, control centre, office, 2 x warehouses, canteen & visitors centre, workshops, staff lockers and ablution facilities);
- Inverter-stations, transformers and internal electrical reticulation (underground cabling);
- Access and internal road network;
- Construction laydown area;
- Rainwater tanks; and
- Perimeter fencing and security infrastructure.

This should be amended with the addition of:

- Battery Energy Storage System with a footprint of up to 5ha.

AMENDMENT 3

Technical details of the PV Solar Energy Facility:

Component	Description/ Dimensions
Capacity of facility (in MW)	Export Capacity (AC) of up to 100MW
Type of technology	PV (including mono or bifacial) with fixed, single, or double axis tracking technology.
Height of PV Structures	Up to 4m
Surface Area to be covered (including associated infrastructure such as roads)	Up to 230ha

Environmental Authorisation Reg. No. 14/12/10/3/37/2011	
Number of overhead power lines	1
Voltage of overhead power line	Up to 132kV
Height of the power line	Up to 32m
Length of power line	±6.7km overhead powerline from the Hotazel 2 on-site substation/ collector switching station to the Eskom Hotazel Substation.
Capacity of the facility	Up to 100MWac
Area occupied by both permanent and construction laydown areas	Up to 7ha of temporary laydown area. A permanent laydown area of less than 1ha will remain in place for operations
Additional Infrastructure	Auxiliary buildings of approximately 2ha. The functions within these buildings include (but are not limited to) a gate house, ablutions, workshops, storage and warehousing area, site offices, substation, and control centre. Perimeter Fencing not exceeding 5m in height.
Access roads	Access to the site will be via a new access point from the R31 <ul style="list-style-type: none"> • Main access road - width: 8m (will exceed 8m with the inclusion of side drains), length: ±100m. • Secondary internal roads – width: 5m, length: ±17 km. <p>There will be some minor works on the existing R31 in order to accommodate the new access point to the site (i.e. expansion / widening by more than 6m, where the R31 intersects with the new access point).</p>
<u>This table should be updated by the addition of:</u>	
Battery Energy Storage System	Footprint of up to 5ha

Please provide the reasons and/or a motivation for the application for amendment:

AMENDMENT 1

Amendment 1 is an administrative change to update of the contact details to the person who has power of attorney on behalf of the SPV. Please refer to appendix 9 for a copy of the Power of Attorney.

It is important to note that the Holder of the Environmental Authorisation Remains unchanged and that only the contact details are being updated.

AMENDMENT 2 and 3

Amendment 2 and 3 proposes the addition of a battery Energy Storage System with an up to 5ha footprint within the authorised footprint of the facility.

South Africa has recognised the need to expand electricity generation capacity within the country and to improve reliability and resilience of electrical supply. This is based on national policy and informed by ongoing planning undertaken by the Department of Energy (DoE) and the National Energy Regulator of South Africa (NERSA).

The Integrated Resource Plan (IRP 2019) sets the direction for the energy sector, with a shift away from coal, increased adoption of renewables and gas, and an end to the expansion of nuclear power. One of the main challenges faced by Eskom is managing and balancing electricity demand supply. While renewable resources can now achieve lower costs than fossil fuels, photovoltaic (PV) arrays have variable electricity production, since they rely on energy inputs that cannot be controlled, particularly at peak consumption periods.

Cost reductions of energy storage technologies and the wider deployment of battery, particularly lithium-type installations globally, have stimulated interest in combining renewable energy generation with energy storage to provide dispatchable energy (energy on demand) and reliable capacity.

Technology

Unlike conventional energy storage facilities such as pumped hydro, battery storage has the advantage of being flexible in terms of site location and sizing. They can be easily incorporated into and in close proximity to a solar facility and can be scaled and designed to meet specific needs.

Different battery storage technologies, such as lithium-ion (Li-ion), zinc hybrid cathode, sodium ion, flow (zinc iron or zinc bromine), sodium sulphur (NaS), zinc air and lead acid batteries can be used for grid applications. Compared to other battery options, Li-ion batteries are highly efficient, have a high energy density and are lightweight. As a result of declining costs, Li-ion technology now accounts for more than 90% of battery storage additions globally (IRENA, 2019).

In line with this practise, the applicant is proposing the use of Lithium Battery Technologies, such as Lithium Iron Phosphate (LFP) or Lithium Nickel Manganese Cobalt oxides (NCM).

Location & Size

The proposed BESS will have a footprint of up to 5ha

This will be achieved by consolidating and altering auxiliary footprint areas identified in the approved EA to accommodate the BESS. The approved footprint will not increase in size. Please refer to appendix 8 showing the proposed position of the BESS in relation to other project components.

General Components

The exact design specifications will depend on the battery manufacturer, however traditional utility scale Li-ion battery storage facility include the following main components:

1. Battery cells → modules → packs → racking system (DC)

2. Storage container (HVAC system, thermal management, monitors and controls, fire suppression, switchgear and energy management system).
3. Power conversion system (bidirectional inverter to convert AC to DC for battery charging and DC to AC for discharging).
4. Transformer to step up inverter output.

The inclusion of a BESS into renewable energy facilities is an important step in securing peak demand energy in South Africa. It falls in line with all the relevant policies and programmes that are driving renewable energy development

Should the amendment being requested result due to **6.1 (b)** above, you are required to furnish the Department with a written undertaking that the new holder of the environmental authorisation is willing and able to assume responsibility of the environmental authorisation issued. Provide a short motivation and explanation below:

The proposed amendments do not constitute a change in ownership nor transfer of rights of the EA. Please note that the amendments do however propose the updates to the contact details of the applicant. A power of attorney giving affect to this update is attached in Appendix 9;

7 ENVIRONMENTAL IMPACTS

Describe any negative environmental impacts that may occur if the application for amendment is granted, amongst others information on any increases in air emissions, waste generation, discharges to water and impacts of the natural or cultural environment must be included.

Amendment 1 is an administrative change and will not result in any environmental impacts.

BESS (Amendment 2 and 3) has been determined by the Department of Environmental Affairs (DEA) as not triggering a listed activity in terms of the National Environmental Management Act (NEMA, Act 107 of 1998) and the 2014 EIA Regulations.

Although this is the case, the department has indicated that a Part 2 Amendment Application is required as it is deemed a change in scope of the EA. Public participation is also required to fulfil the intent of the Promotion of Administrative Justice Act (PAJA, Act 3 of 2000).

Since the BESS will be located within the approved footprint of the facility, it is unlikely that any new negative environmental impacts are likely to be generated.

Please refer to the amendment assessment report attached in appendix 7 for the following additional information on potential impacts:

- A High Level BESS Risk Assessment
- Addendum to Environmental Management Programme to include the management outcomes and actions for the BESS.
- Statements from all participating specialists confirming that the proposed addition of the BESS to Hotazel 2 will not increase the level or nature of the impacts originally Assessed.

This environmental process has not identified any fatal flaws nor major irreversible impacts with the proposed amendments. As such, it is the EAP's view that the proposed amendments can be considered for authorisation.

All participating specialists have confirmed that the inclusion of the BESS is unlikely to result in any additional impacts nor increase any of the respective impacts previously assessed.

All registered I&AP's have been requested to review the Draft Amendment Assessment Report and the associated appendices, and provide comment, or raise issues of concern, directly to Cape EAPrac within the specified 30-day comment period.

All comments received during this comment period will be considered and incorporated into the Final Amendment Assessment Report that will be submitted to DFFE for decision making.

Based on the outcomes of this assessment (which includes input from the participating specialists), as well as the outcome of the risk assessment, it is Cape EAPrac's reasoned opinion that the application for amendment of the Environmental Authorisation be granted, subject to the following conditions:

1. That the BESS Addendum to the EMPr be adopted and implemented for the life cycle of the project;
2. That the additional mitigation measures detailed in section 8 of the assessment report (Appendix 8) be adopted and implemented; and
3. That the additional mitigation measures identified in the Risk Assessment be implemented.

Describe any negative environmental impacts that may occur if the application for amendment is not granted.

It is unlikely that any negative environmental impacts on the site will occur if the application is not granted. However, in terms of sustainability and commitment to the NDP and the development of renewable energy in South Africa, the BESS and the increase in generation capacity will have a very positive impact on energy delivery. This has positive long term benefits to society.

Describe any positive environmental impacts that may occur if the application for amendment is granted, amongst others information on any reduction in the ecological footprint, air emissions, waste generation and discharges to water must be included.

The introduction of the BESS or the increase in generation capacity will neither increase nor decrease the approved footprint of the development and it will have a neutral impact in general. It will in terms of sustainability and commitment to the NDP and the development of renewable energy in South Africa, have a very positive impact on energy delivery. This has positive long term benefits to society

8 AUTHORISATION FROM OTHER GOVERNMENT DEPARTMENTS

Are any permission, licenses or other authorisations required from any other departments before the requested amendments can be effected?	YES	✓NO
---	-----	-----

If yes, please complete the table below.

Name of department and contact person	Authorisation required	Authorisation applied for (Yes/No)

9 RIGHTS OR INTERESTS OF OTHER PARTIES

In your opinion, will this proposed amendment adversely affect the rights and interests of other parties?	YES	<input checked="" type="checkbox"/> NO
Please provide a detailed motivation of your opinion.		
<p>This project has undertaken multiple consultation exercises during the Environmental Impact Assessment process, during which time support for the concept has been positive. It must be noted that the inclusion of the BESS or the increase in generation capacity is unlikely to cause further negative environmental impacts that were not considered and assessed during the EIA processes. There are however potential risk mitigations that will be proposed to ensure safety on the site and in light of the intent of the Promotion of Administrative Justice Act (PAJA, Act 3 of 2000), all registered I&APs that were registered for the EIA process, have been approached comment on the Risk Assessment, EMPr amendments and amendment assessment report for this proposal. This will further ensure that no rights or interests of other parties are affected.</p>		

NOTE: The Department is entitled to request further information if it believes it is necessary for the consideration of the application. If the application is for a substantive amendment or if the rights or interests of other parties are likely to be adversely affected, the Department will instruct the applicant to conduct a public participation process and to conduct any investigations and assessments that it deems necessary.

10 LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes ²	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

² Includes confirmation from the Competent authority that no pre-application meeting is necessary in respect of this application.

APPENDIX 2	Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto or original commissioned Affidavit/Affirmation under oath	✓YES	NO
APPENDIX 3	Proof of Payment / Motivation for exclusion	✓YES	NO
APPENDIX 4	List of land owners (with contact details) and land owners consent	✓YES	NO
APPENDIX 5	Strategic Infrastructure Projects	YES	✓NO
APPENDIX 6	Declaration of independence of the EAP and undertaking under oath or affirmation, if appointed	✓YES	NO

11 DECLARATION

I, **Zandri Hill**, declare that I will comply with all my legal obligations in terms of this application and provide accurate information to everyone concerned in respect to this application.

Signed declaration appended to digital submission

Signature of the Applicant:

Hotazel Solar Facility 2 (Pty) Ltd

Name of Company or Organisation:

Dated declaration appended to digital submission.

Date:

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

RE: 2022-09-0036



Matlhodi Mogorosi <MMOGOROSI@dffe.gov.za>

To Dale Holder

Cc Sindiswa Dlomo



2022/09/28

Start your reply all with:

[Thank you!](#)

[Will do, thank you.](#)

[Will do.](#)

[Feedback](#)

Dear Dale,

You can proceed with the submission of the application.

Regards

Ms Matlhodi Mogorosi

Department of Forestry, Fisheries and the Environment

Designation: Environmental Officer: Specialised Production

Directorate: National Infrastructure Development

Tel: (012) 399 9388

APPENDIX 2

**CERTIFIED COPY/IES OF THE ENVIRONMENTAL AUTHORISATION AND ALL SUBSEQUENT AMENDMENTS
THERETO OR ORIGINAL COMMISSIONED AFFIDAVIT/AFFIRMATION UNDER OATH**

APPENDIX 3
PROOF OF PAYMENT/ ~~MOTIVATION FOR EXCLUSION~~

APPENDIX 4
LIST OF LAND OWNERS AND LAND OWNERS CONSENT

Landowner consent appended to digital submission			
Name of the landowner:	Jansen Boerdery Trust		
Name of contact person for landowner (if other):	Mr PAC Jansen		
Postal address:	PO Box 235 Kuruman		
Postal code:	8460	Cell:	082 319 6095
Telephone:	082 319 6095	Fax:	NA
E-mail:	Pac.jansen@vodamail.co.za		

APPENDIX 5
STRATEGIC INFRASTRUCTURE PROJECTS

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> ●— Unlock mineral resources ●— Rail, water pipelines, energy generation and transmission infrastructure ●— Thousands of direct jobs across the areas unlocked ●— Urban development in Waterberg—first major post-apartheid new urban centre will be a “green” development project ●— Rail capacity to Mpumalanga and Richards Bay ●— Shift from road to rail in Mpumalanga ●— Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> ●— Strengthen the logistics and transport corridor between SA’s main industrial hubs ●— Improve access to Durban’s export and import facilities ●— Integrate Free State Industrial Strategy activities into the corridor ●— New port in Durban ●— Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> ●— New dam at Mzimvubu with irrigation systems ●— N2 Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains ●— Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape ●— A manganese sinter (Northern Cape) and smelter (Eastern Cape) ●— Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> ●— Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure ●— Enabling reliable supply and basic service delivery ●— Facilitate development of mining, agricultural activities and tourism opportunities ●— Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> ●— Integrated rail and port expansion ●— Back-of-port industrial capacity (including an IDZ) ●— Strengthening maritime support capacity for oil and gas along African West Coast ●— Expansion of iron ore mining production and beneficiation. 	
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	

<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p>SIP 8: Green energy in support of the South African economy</p> <p>Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p><i>Indicate capacity in MW:</i></p>	
<p>SIP 9: Electricity generation to support socioeconomic development</p> <p>Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p><i>Indicate capacity in MW:</i></p>	
<p>SIP 10: Electricity transmission and distribution for all</p> <p>Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.</p> <p>Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p>SIP 11: Agri-logistics and rural infrastructure</p> <p>Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh produce facilities, packing houses); transport links to main networks (rural roads, branch train line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities</p> <p>Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme</p> <p>A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure</p>	

<p>Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology</p> <p>Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infraco fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas.</p> <p>While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.</p> <p>The school roll-out focus is initially on the 125 Dinaledi (science and maths focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p>SIP 16: SKA & Meerkat</p> <p>SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	
<p>SIP 17: Regional integration for African cooperation and development</p> <p>Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p> <p>The projects involving transport, water and energy also provide competitively priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.</p> <p>All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	
<p>SIP 18: Water and sanitation infrastructure</p> <p>A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.</p> <p>The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	
<p>SIP 19: Water and Sanitation</p> <p>a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng</p> <p>b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo</p> <p>c. uMkhomazi Water Project: KwaZulu Natal</p>	

<p>d. Olifants River Water Resource Development Project – Phase 2: Limpopo</p> <p>e. Vaal Gamagara: Northern Cape</p> <p>f. Mzimvubu Water Project: Eastern Cape</p> <p>g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape & North West</p> <p>h. Groot Letaba River Water Development Project – Nwamitwa Dam: Limpopo</p> <p>i. Berg River Voëlvlei Augmentation Scheme: Western Cape</p> <p>j. Rustfontein Water Treatment Works: Free State</p> <p>k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State</p>	
<p>SIP 20: Energy</p> <p>a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National</p> <p>b. Small IPP Power Purchase Procurement Programme (100MW): National</p> <p>c. Embedded Generation Investment Programme (EGIP)-400MW: National</p>	
<p>SIP 21: Transport</p> <p>a. N1 Windburg Interchange to Windburg Station: Free State</p> <p>b. N1 Musina Ring Road: Limpopo</p> <p>c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo</p> <p>d. N1 Ventersburg to Kroonstad: Free State (2 projects in One)</p> <p>e. N2 Mtunzini Toll Plaza to Empangeni T Junction: KwaZulu Natal</p> <p>f. N3 Cato Ridge to Dardanelles: KwaZulu Natal</p> <p>g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal</p> <p>h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal</p> <p>i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal</p> <p>j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal</p> <p>k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal</p> <p>l. N2 EB Cloete Interchange: KwaZulu Natal</p> <p>m. Small Harbours Development: National</p> <p>n. N3 New alignment via De Beers Pass: Free State</p> <p>o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape</p>	
<p>SIP 22: Digital Infrastructure</p> <p>a. National Spatial Infrastructure Hub</p>	
<p>SIP 23: Agriculture and Agro-processing</p> <p>a. Marine Tilapia Industry: Eastern Cape</p> <p>b. Natural Dehydrated Foods: Mpumalanga</p>	

<p>SIP 24: Human Settlements</p> <p>a. Greater Cornubia: KwaZulu-Natal</p> <p>b. Vista Park II & III: Free State</p> <p>c. Lufhereng: Gauteng</p> <p>d. Malibongwe Ridge: Gauteng</p> <p>e. N2 Nodal Development: Eastern Cape</p> <p>f. Matlosana N12 West: North West</p> <p>g. Green Creek: Gauteng</p> <p>h. Mooikloof Mega Residential City: Gauteng</p> <p>i. Fochville Extension 11: Gauteng</p> <p>j. Germiston Ext 4 Social Housing Project: Gauteng</p> <p>k. Newcastle Hospital Street Social Housing Project: KwaZulu-Natal</p> <p>l. Hull Street Social Housing Project Phase 1: Northern Cape</p> <p>m. Kwandokuhle Social Housing Project: Mpumalanga</p> <p>n. Phola Heights – Tembisa Social Housing Project: Gauteng</p> <p>o. Sondela Phase 2: Gauteng</p> <p>p. Willow Creek Estate: Mpumalanga</p> <p>q. Joe's Place Social Housing: Gauteng</p> <p>r. Jeppetown Social Housing Project (Unity House): Gauteng</p>	
SIP 25: Rural Bridges “Welisizwe” Programme	
SIP 26: Rural Roads Upgrade Programme	
SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme	
SIP 28: PV and Water Savings on Government Buildings Programme	
SIP 29: Comprehensive Urban Management Programme	
SIP 30: Digitising of Government Information Programme	
SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme	
SIP 32: National Upgrading Support Programme (NUSP)	
SIP 33: Solar Water Initiatives Programme	

SIP 34: Student Accommodation	
SIP 35: SA Connect Phase 1B Programme	
SIP 36: Salvokop Precinct	

PLEASE ATTACH PROOF FROM THE RELEVANT SIP CO-ORDINATOR FOR EACH OF THE SIP PROJECT SELECTED.

**APPENDIX 6
DECLARATION OF THE EAP**

I, **Ms Louise-Mari van Zyl**, declare that –

- I act as the independent environmental assessment practitioner in this application;
- **I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;**
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- **I will take into account, to the extent possible, the matters listed in Regulation 14 of the Regulations when preparing the application and any report relating to the application;**
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- ~~I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;~~
- I have a vested interest in the proposed activity proceeding, such vested interest being:

Signed Declaration appended to digital submission

Signature of the environmental assessment practitioner

Cape Environmental Assessment Practitioners (Cape EAPrac)

Name of company:

Dated Declaration appended to digital submission

Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, **Ms Louise-Mari van Zyl**, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

Signed declaration appended to digital submission.

Signature of the environmental assessment practitioner

Cape Environmental Assessment Practitioners

Name of company

Dated declaration appended to digital submission

Date