



forestry, fisheries & the environment

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

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: +27 86 625 1042

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION – AUGUST 2023

Application submitted for 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 (*This must include local municipality and/or district municipality and province*)

Construction of a photovoltaic (PV), and Battery Energy Storage System (BESS) energy facility (known as Kareekloof Solar PV Facility and BESS) located on the Portion 1 of the farm Bas Berg 88, Portion 2 of the farm Koppy Alleen 83 and Portions 6, 11, 16 & 17 of the farm Karee Kloof 85 situated near De Aar in the Emthanjeni municipality in the Northern Cape Province..

Indicate if the DRAFT report accompanies the application <i>(tick/select one box)</i>	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Date of the pre-application meeting	29 May 2023	
Reference number of pre-application meeting held	2023-05-0021	
Were minutes compiled and submitted to the Department for approval	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
A copy of the approved pre-application meeting minutes must be appended to this application as APPENDIX 1 .		



Batho pele- putting people first

The processing of personal information by the Department of Forestry, Fisheries and the Environment is done lawfully and not excessive to the purpose of processing in compliance with the POPI Act, any codes of conduct issued by the Information Regulator in terms of the POPI Act and / or relevant legislation providing appropriate security safeguards for the processing of personal information of others.

IMPORTANT INFORMATION BEFORE COMPLETING THIS APPLICATION FORM:

1. General:

- 1.1. The appointed environmental assessment practitioner (EAP) **must be registered with Environmental Assessment Practitioners Association of South Africa (EAPASA)** in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended. Proof of such valid registration must be appended to this Application form. ([APPENDIX 6B](#)). This will be confirmed by the Competent Authority (CA) on the EAPASA website.
- 1.2. The EAP candidate may only **assist** the registered EAP and work under the supervision of a registered EAP (Regulation 14(6) in the S24H Registration Authority Regulations, 2016, as amended). The registered EAP takes full responsibility for the work conducted.
- 1.3. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Assessment Reporting where the Department of Forestry, Fisheries and the Environment (DFFE) is the Competent Authority (CA).
- 1.4. 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).
- 1.5. 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.
- 1.6. This application form is current as of August 2023. 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 accessible at <https://www.dffe.gov.za/documents/forms/legal>
- 1.7. The onus is on the Applicant/EAP to confirm whether DFFE is the Competent Authority to which this application must be submitted (Section 24C of NEMA) and to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in Listing Notice 1, 2, or 3 of the EIA Regulations, 2014 as amended, it must also form part of the Application for Environmental Authorisation.
- 1.8. An application for Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.
- 1.9. An application for environmental authorisation **must** be accompanied by a report generated by the web based environmental screening tool (in [APPENDIX 14](#)). This has been stipulated as a requirement for the submission of applications for environmental assessment in the Environmental Impact Assessment Regulations. The Screening Tool allows for the generation of a Screening Report referred to in Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations 2014, as amended, whereby a Screening Report is required to accompany any application for Environmental Authorisation.
- 1.10. If applicable, written confirmation that the CA has granted permission for the combination of application(s) for an environmental authorization in terms of the provisions of sub-regulation 11(1) of the EIA Regulations, 2014, as amended, must be attached to this application form (under [APPENDIX 15](#)).

2. Administrative Requirements:

- 2.1. An application fee is applicable (refer to 2. FEES). Proof of payment **must** accompany this application and be paid **prior** to the submission of this Application form ([APPENDIX 2](#)). 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.
- 2.2. A cover letter on your company letterhead indicating the nature of this application **must** be appended to this form for e.g. new application for Environmental Authorisation, revised updated application for Environmental Authorisation etc.
- 2.3. An electronic copy of the signed application form must be submitted of both the Applicant and EAP and the signature should not be older than 4 months. The relevant form(s) can be found on our website <https://www.dffe.gov.za/documents/forms/legal>

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- 2.4. This form must be submitted to the CA in the format as prescribed in the process to upload documents form. Note, that this CA does not accept hard copy documents since June 2020.
- 2.5. Where required, select the box required. The empty box, once selected, will replace with a .
- 2.6. 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 application being considered as incomplete as provided for in the EIA Regulations.
- 2.7. 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. The form can be found on our website <https://www.dffe.gov.za/documents/forms/legal>
- 2.8. Please note that this form must be copied to the relevant Provincial Environmental Department(s). Ensure that correct details are found/confirmed/provided.

Competent Authority Details

Online Submission only:

<https://sfiler.environment.gov.za:8443/>.

Click <https://www.dffe.gov.za/documents/forms/legal> for guidance document which must be complied with in order to upload/submit files to this Competent Authority.

Physical address:

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

For Submission enquiries: Contact the Directorate: IEA Strategic Support, Coordination and Reporting at:
Email: EIApplications@dffe.gov.za

For EIA related implementation queries:
Email: EIAdmin@dffe.gov.za

For EIA Related Interpretation queries in terms of the Listed Activities:
Email: IQ@dffe.gov.za

For SIP confirmation, please contact the SIP coordinator at the below contact details:

- Mr Alvino Wildschutt-Prins
Programme Manager: Infrastructure Pipeline Development & Management
SIP Programme Management Office
Cell: 072 650 2249
Email: alvino@presidency.gov.za
- Mr Avik Singh, Infrastructure Project pipeline (SIP Support)
AvikS@jdc.co.za

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1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:	Department of Forestry Fisheries and the Environment
Reason(s) in terms of S24C of NEMA:	The project entails the generation of electricity exceeding 100MW. In terms of Regulation 24(C)(3) – the National Department of Forestry Fisheries and the Environment, will be the competent authority in respect of this application.
Attach proof of Section 24 C (3) agreement, where applicable	Proper motivation must be attached to the application (APPENDIX 15)

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 2](#) of this application form.

Proof of payment attached	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Payment Reference Number	-30.27934/24.30095	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014 (Fee Regulations)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

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 (APPENDIX 2)	
The activity is a community based project funded by a government grant	<input type="checkbox"/>	
The applicant is an organ of state	<input type="checkbox"/>	
FEE AMOUNT		
	Fee	
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000	<input type="checkbox"/>
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000	<input checked="" type="checkbox"/>

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

<p>Payment/Refund Enquiries: Email: EIAAdmin@dffe.gov.za</p> <p>Banking details: Bank ABSA Bank Branch code 632005 Account number 1044 2400 72 Account Type Current account</p> <p>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</p>

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e.g. -33.918861/18.423300

Status: Tax exempted

3. GENERAL INFORMATION

PROJECT TITLE (This must include local municipality and/or district municipality and Province)

Construction of a photovoltaic (PV), and Battery Energy Storage System (BESS) energy facility (known as Kareekloof Solar PV Facility and BESS) located on the Portion 1 of the farm Bas Berg 88, Portion 2 of the farm Koppie Alleen 83 and Portions 6, 11, 16 & 17 of the farm Karee Kloof 85 situated near De Aar in the Emthanjeni municipality in the Northern Cape Province.

Title	Mr
Name of the Applicant	Kareekloof Energy (Pty) Ltd
Surname of the Applicant	Applicant is a legal entity and not an individual
Name of contact person for applicant (name and surname) (if other)	Marshall Mabin
Company/ Trading name (if any)	NA
Company Registration Number	2023 / 725974 / 07
Physical address	240 Main Road, Rondebosch, Cape Town
Postal address	240 Main Road, Rondebosch, Cape Town
Postal code	7700
Telephone	0714821315
Cellphone	0795784511
E-mail	marshall@merchant.energy

Name of the Landowner	Vrede Family Trust
Surname of the Landowner	Diederik J Vermeulen
Postal address	Farm Vrede, Philipstown.
Postal code	8795
Telephone	082 482 6985
Cellphone	082 482 6985
E-mail	odysfarming@gmail.com

Name of the Person in control of the land	Vrede Family Trust
Surname of the Person in control of the land	Diederik J Vermeulen
Postal address	Farm Vrede, Philipstown.
Postal code	8795
Telephone	082 482 6985
Cellphone	082 482 6985
E-mail	odysfarming@gmail.com

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as [APPENDIX 3](#).

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014) and Regulation 39 of the EIA Regulations, 2014, as amended, written consent of landowner/s must be submitted in [APPENDIX 3](#).

The signed declaration undertaking by the applicant must be submitted as [APPENDIX 4](#) (must not be older than 4 months).

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Provincial Environmental Authority:	Department of Agriculture, Environmental Affairs, Rural Development and Land Reform
Name of contact person in Environmental Section (name and surname)	Mr Denver Van Heerden
Postal address	P.O Box 28 De Aar, 7000
Postal code	7000
Telephone	087 630 0360
Cellphone	NA
E-mail	dvanheerden@daearldr.gov.za

Local Municipality	Emthanjeni
Name of contact person in Environmental Section (name and surname)	DH Molaole (Municipal Manager)
Postal address	P O Box 42 DE AAR
Postal code	7000
Telephone	053 632 9100
Cellphone	NA
E-mail:	Jdmolaole@emthanjeni.org.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 as [APPENDIX 5](#). Ensure that the details provided above are verified and valid.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner (EAP)	Cape Environmental Assessment Practitioners (Pty) Ltd
EAP name and surname	Dale Holder
EAP Qualifications and Professional affiliations	Ndip NatCon, 20 Year's experience as an EAP, EAPASA Registration # 2019/301
Physical address	17 Progress Street, George
Postal address	PO Box 2070, George
Postal code	6530
Telephone	044 874 0365
Cellphone	0824489225
E-mail	dale@cape-eaprac.co.za

In terms of section 24H of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), and the S24H Regulations as amended:

Are you a registered environmental assessment practitioner, registered with EAPASA in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended.	YES* <input checked="" type="checkbox"/>	NO** <input type="checkbox"/>
If "No**" provide proof of appointment letter clearly depicting appointment before the 08 August 2022 as per GNR 1733, Amendment of Section 24H Registration Authority Regulations, 2016,	Attached as APPENDIX 6A	

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7 February 2022. If you do not attach this proof, you may not commence further with the application, kindly refer to Section 24H Registration Authority Regulations, 2016, as amended.	
If “Yes*” please provide a valid certificate of registration (Please attach under APPENDIX 6B) Note that this will be verified with EAPASA.	Attached as APPENDIX 6B
Please provide valid EAPASA Registration number.	2019/301

The appointed EAP must meet the requirements of Regulation 13 of the EIA Regulations, 2014 as amended and Regulation 15(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended. 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 [APPENDIX 6C](#).

5. PROJECT DESCRIPTION

Please provide a **detailed** description of the project. Ensure to include all associated infrastructure related to the main facility (*note that the box will expand based on the text included*):

The Applicant, Kareekloof Energy (Pty) Ltd, is proposing the construction of a photovoltaic (PV), and Battery Energy Storage System (BESS) energy facility (known as Kareekloof Solar PV Facility and BESS) located on the Portion 1 of the farm Bas Berg 88, Portion 2 of the farm Kopy Alleen 83 and Portions 6, 11, 16 & 17 of the farm Karee Kloof 85 situated near De Aar in the Northern Cape Province.

A study site of approximately 3512 ha is being assessed as part of this Environmental Process and the infrastructure associated with the up to 900MW PV facility includes:

- PV modules and mounting structures;
- Inverters and transformers;
- Cabling;
- Battery Energy Storage System (BESS);
- Site and internal access roads;
- Auxiliary buildings (33 kV switch room, gatehouse and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);
- Perimeter fencing and security infrastructure;
- Rainwater tanks;
- Temporary and permanent laydown areas;
- Facility substation.
- Own-build grid connection solution, including on-site substations.

The final grid solution will be determined through discussions with Eskom, as part of an ongoing Cost Estimate Application process. The Kareekloof Solar PV Facility anticipates connecting to the National Grid via the proposed Hydra B Main Transmission Substation (MTS), with a planned location approximately 1.5 kilometers east of the proposed facility. This connection will be established using three double circuit 132kV conductor lines or powerlines, capable of evacuating or exporting the electricity generated by all three of the 300MVA On-Site Substations. The proposed connection will include an Electrical Grid Infrastructure (EGI) corridor for the three 132kV powerlines, running from the On-Site Substations to the MTS.

It must be noted that this application only includes the IPP Portion of the EGI (i.e. the on site substations) the remainder of the EGI (i.e. those components that will be transferred to Eskom – namely, the Eskom Side of the on-site substations and the Overhead powerlines to the MTS) is being assessed as part of a separate Basic Assessment Process that will run in parallel with the Environmental Impact Assessment phase of this Environmental Process.

5a. RENEWABLE ENERGY DEVELOPMENT ZONES:

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114 ?	YES* <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If "YES"		
• Confirm Technology	Large Scale Wind <input type="checkbox"/>	Large Scale Solar PV <input type="checkbox"/>
• Confirm Zone as per GNR 114 and GNR 142 and 144	Not Applicable	
• A map showing the proposed development (100% of the proposed footprint) within the boundary of the zone mentioned above must be generated using the screening tool. Use the "Print Map" feature available in the Screening tool to create a map as required.	YES <input type="checkbox"/>	Attached as APPENDIX 7A

5b. ELECTRICITY GRID INFRASTRUCTURE (EGI):

Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES* <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If "YES"		
• Confirm Strategic Transmission Corridor (STC) as per GNR 113	Click or tap here to enter text.	
• A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the STC mentioned above. Use the "Print Map" feature available in the Screening tool to create a map as required.	YES <input type="checkbox"/>	Attached as APPENDIX 7B
• Attach a pre-negotiated route with the landowner(s) as per Reg 5 of GNR 113. (See <i>template attached to this Application form</i>)	YES <input type="checkbox"/>	Attached as APPENDIX 7C
Does the project form part of the Standard as per GNR 2313	YES* <input type="checkbox"/>	NO** <input checked="" type="checkbox"/>
If "YES" please complete the procedure for following the Standard to apply for registration.		
If "NO", see below and provide motivation (written and illustrative using maps and/or photographic evidence, to confirm why the Standard and the exclusions therein do not apply) as APPENDIX 7D .		
• Where any part of the infrastructure occurs on an area for which the environmental sensitivity for any environmental theme is identified as being <i>very high</i> or <i>high</i> by the national web based environmental screening tool and confirmed to be such through the application of the procedures set out in the Standard	YES <input type="checkbox"/>	NO <input type="checkbox"/>
• Where the site sensitivity verification for a specific theme identifies that the <i>low</i> or <i>medium</i> sensitivity rating of the national web based environmental screening tool is in fact <i>high</i> or <i>very high</i> ;	YES <input type="checkbox"/>	NO <input type="checkbox"/>
• Where the greater part of the proposed infrastructure falls outside any strategic transmission corridor.	YES <input type="checkbox"/>	NO <input type="checkbox"/>

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Motivation for the development not falling within the Standard supplied as APPENDIX 7D	YES <input type="checkbox"/>	NO <input type="checkbox"/>
<p><i>Regulation 7 of GNR 2313 states: 'Where this Standard does not apply, either the requirements of the EIA Regulations or Government Notice No. 113, read with the EIA Regulations, where relevant, apply to the relevant theme for which the very high or high sensitivity has been identified in respect of the portion of the development or expansion which occurs on the area where the environmental sensitivity is confirmed to be very high or high, or to the entire development or expansion where the greater part of the infrastructure falls outside of the strategic transmission corridor.'</i></p>		
Does the project form part of the Electricity Grid Infrastructure (EGI) in a REDZ as per GN 145?	YES* <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If "YES*":		
<ul style="list-style-type: none"> Confirm Zone as per GNR 145 	The proposed facility is not within a REDZ or EGI	
<ul style="list-style-type: none"> A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the zone mentioned above must be generated using the screening tool. Use the "Print Map" feature available in the Screening tool to create a map as required. 	YES <input type="checkbox"/>	Attached as APPENDIX 7E
<ul style="list-style-type: none"> Attach a pre-negotiated route with the landowner(s) as per Reg 5 of GNR 145. (See <i>template attached to this Application form</i>) 	YES <input type="checkbox"/>	Attached as APPENDIX 7F

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5c. GAS TRANSMISSION PIPELINE INFRASTRUCTURE:

Does the project form part of a Gas Transmission Pipeline Infrastructure as per GN 143?	YES* <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If "YES"		
<ul style="list-style-type: none"> Confirm Strategic Gas Pipeline Corridor (SGPC) as per GNR 143 	The proposed project does not entail any gas transmission infrastructure.	
<ul style="list-style-type: none"> A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the SGPC mentioned above. Use the "Print Map" feature available in the Screening tool to create a map as required. 	YES <input type="checkbox"/>	Attached as APPENDIX 7G
<ul style="list-style-type: none"> Attach a pre-negotiated route with the landowner(s) as per Reg 3 of GNR 411. (See <i>template attached to this Application form</i>) 	YES <input type="checkbox"/>	Attached as APPENDIX 7H

5d. STRATEGIC INFRASTRUCTURE PROJECTS:

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES* <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If "YES" attach the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP as APPENDIX 8B .		
For a SIP project, kindly indicate which SIPs are applicable in APPENDIX 8A and attach the confirmation of SIP applications from the relevant sector representative in APPENDIX 8B . Should no proof be provided, the application will be considered as a normal EIA Application with associated timeframes.		
	Attached as APPENDIX 8A and APPENDIX 8B	

6. NATIONAL SECTOR CLASSIFICATION

Table 6.1. Please indicate which sector the project falls under by selecting the relevant block in the table below:

No.	Sector Classification		No.	Sector Classification	
1	Infrastructure /Transport Services/Roads – Public	<input type="checkbox"/>	42	Services/Waste Management Services/Disposal facilities - General	<input type="checkbox"/>
2	Infrastructure /Transport Services/Roads – Private	<input type="checkbox"/>	43	Services/Waste Management Services/Treatment facilities - Hazardous	<input type="checkbox"/>
3	Infrastructure /Transport Services/Rail – Public	<input type="checkbox"/>	44	Services/Waste Management Services/Treatment facilities - General	<input type="checkbox"/>
4	Infrastructure /Transport Services/Rail – Private	<input type="checkbox"/>	45	Services/Waste Management Services/Storage Facilities - General	<input type="checkbox"/>
5	Infrastructure /Transport Services/ Airport/Runways/Landing Strip/Helipad - Commercial	<input type="checkbox"/>	46	Services/Waste Management Services/ Storage Facilities - Hazardous	<input type="checkbox"/>
6	Infrastructure /Transport Services/ Airport/Runways/Landing Strip/Helipad - Private	<input type="checkbox"/>	47	Services/Waste Management Services/Storage Facilities - Nuclear	<input type="checkbox"/>
7	Infrastructure /Transport Services/ Airport/Runways/ Landing Strip/Helipad - Public Services	<input type="checkbox"/>	48	Services/Burial and cemeteries - Cemeteries	<input type="checkbox"/>
8	Infrastructure /Transport Services - Ports	<input type="checkbox"/>	49	Services/Burial and cemeteries - Cremators	<input type="checkbox"/>

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No.	Sector Classification		No.	Sector Classification	
9	Infrastructure /Transport Services - Inland Waterways	<input type="checkbox"/>	50	Services/Water services/Storage - Dams	<input type="checkbox"/>
10	Infrastructure /Transport Services - Marina	<input type="checkbox"/>	51	Services/Water services/Storage - Reservoirs	<input type="checkbox"/>
11	Infrastructure /Transport Services - Canal	<input type="checkbox"/>	52	Services/Water services - Desalination	<input type="checkbox"/>
12	Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/ Development Setback/ 100M Inland/ or coastal public property.	<input type="checkbox"/>	53	Services/Water services - Treatment & Waste Water	<input type="checkbox"/>
13	Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides	<input type="checkbox"/>	54	Services - Hospitality	<input type="checkbox"/>
14	Infrastructure /Localised infrastructure - Cableway or Funiculars	<input type="checkbox"/>	55	Mining - Prospecting rights	<input type="checkbox"/>
15	Infrastructure /Localised infrastructure – Billboards	<input type="checkbox"/>	56	Mining - Mining Permit	<input type="checkbox"/>
16	Infrastructure /Localised infrastructure/ Storage/Dangerous Goods/Hydrocarbon - Gas	<input type="checkbox"/>	57	Mining - Mining Right	<input type="checkbox"/>
17	Infrastructure /Localised infrastructure/ Storage/Dangerous Goods/ Hydrocarbon - Petroleum	<input type="checkbox"/>	58	Mining/Exploration Right - Gas or Oil Marine	<input type="checkbox"/>
18	Infrastructure /Localised infrastructure/ Storage/Dangerous good – Chemicals	<input type="checkbox"/>	59	Mining/Exploration Right - Gas or Oil Terrestrial	<input type="checkbox"/>
19	Utilities Infrastructure/Pipelines/water - Fresh/Storm Water	<input type="checkbox"/>	60	Mining/Production Right - Gas or Oil Marine	<input type="checkbox"/>
20	Utilities Infrastructure/ Pipelines/water - Waste Water	<input type="checkbox"/>	61	Mining/Production Right - Gas or Oil Terrestrial	<input type="checkbox"/>
21	Utilities Infrastructure/ Pipelines/ Dangerous Goods - Chemicals	<input type="checkbox"/>	62	Mining/Underground gasification of coal - Oil	<input type="checkbox"/>
22	Utilities Infrastructure/Pipelines/ Hydrocarbon – Petroleum	<input type="checkbox"/>	63	Mining/Beneficiation - Hydrocarbon	<input type="checkbox"/>
23	Utilities Infrastructure/Pipelines/ Hydrocarbon - Gas	<input type="checkbox"/>	64	Mining/Beneficiation - Mineral	<input type="checkbox"/>
24	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Tower	<input type="checkbox"/>	65	Agriculture/Forestry/ Fisheries - Crop Production	<input type="checkbox"/>
25	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Mast	<input type="checkbox"/>	66	Agriculture/Forestry/ Fisheries - Animal Production	<input type="checkbox"/>
26	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Receivers	<input type="checkbox"/>	67	Agriculture/Forestry/ Fisheries - Afforestation	<input type="checkbox"/>
27	Utilities Infrastructure - Marine Cables	<input type="checkbox"/>	68	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Alien	<input type="checkbox"/>
28	Utilities Infrastructure/Electricity /Generation/ Non Renewable/ Hydrocarbon – Petroleum	<input type="checkbox"/>	69	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Indigenous	<input type="checkbox"/>
29	Utilities Infrastructure/Electricity /Generation/ Non Renewable/ Hydrocarbon – Coal	<input type="checkbox"/>	70	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Alien	<input type="checkbox"/>
30	Utilities Infrastructure/Electricity /Generation/ Non Renewable - Nuclear	<input type="checkbox"/>	71	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Indigenous	<input type="checkbox"/>
31	Utilities Infrastructure/Electricity /Generation/ Renewable - Hydro	<input type="checkbox"/>	72	Agriculture/Forestry/ Fisheries - Agro-Processing	<input type="checkbox"/>
32	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	<input checked="" type="checkbox"/>	73	Transformation of land - Indigenous vegetation	<input type="checkbox"/>
33	Utilities Infrastructure/Electricity	<input type="checkbox"/>	74	Transformation of land - From open space or	<input type="checkbox"/>

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No.	Sector Classification		No.	Sector Classification	
	/Generation/Renewable/Solar - CSP			Conservation	
34	Utilities Infrastructure/Electricity /Generation/Renewable - Wind	<input type="checkbox"/>	75	Transformation of land - From agriculture or afforestation	<input type="checkbox"/>
35	Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels	<input type="checkbox"/>	76	Transformation of land - From mining or heavy industrial areas	<input type="checkbox"/>
36	Utilities Infrastructure/Electricity /Generation/Renewable - Wave	<input type="checkbox"/>	77	Any activities within or close to a watercourse	<input type="checkbox"/>
37	Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	<input type="checkbox"/>	78	Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	<input type="checkbox"/>
38	Utilities Infrastructure/Electricity /Distribution and Transmission – Substation	<input type="checkbox"/>	79	Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	<input type="checkbox"/>
39	Utilities Infrastructure/Gas /Distribution and Transmission – Compressor Station	<input type="checkbox"/>	80	Activity requiring permit or licence - Marine Effluent	<input type="checkbox"/>
40	Services/Waste Management Services/Disposal facilities - Hazardous	<input type="checkbox"/>	81	Activity requiring permit or licence - Fresh Water Effluent	<input type="checkbox"/>
82	Release of Genetically Modified Organisms	<input type="checkbox"/>			<input type="checkbox"/>

Table 6.2.

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g., a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that form's part there of	Not Applicable	

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7. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Northern Cape
District Municipality/ies	Pixley Ka Seme
Local Municipality/ies	Emthanjeni Municipality
Ward number/s	6
Nearest town/s	De Aar
Farm name/s and number/s	Portion 1 of the farm Bas Berg 88, Portion 2 of the farm Kopy Alleen 83 and Portions 6, 11, 16 & 17 of the farm Karee Kloof 85
Portion number/s	Portion 1 of the farm Bas Berg 88, Portion 2 of the farm Kopy Alleen 83 and Portions 6, 11, 16 & 17 of the farm Karee Kloof 85

Surveyor General 21 digit code:

(If there are more than 4, please attach a list with the rest of the codes as [APPENDIX 9](#). Where the 21-digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in [APPENDIX 9](#).

Bas Berg 1/88: C0570000000008300002				
Kopy Alleen 2/83: C0570000000008300002				
Karee Kloof 6/85: C0570000000008500006				
Karee Kloof 11/85: C0570000000008500011				
Karee Kloof 16/85: C0570000000008500016				
Karee Kloof 17/85: C0570000000008500017				
1	2	3	4	5

Coordinates of Property/ies boundary (corner points or start, middle, end)

Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

FEATURE	LATITUDE (S)			LONGITUDE (E)		
	DEG	MIN	SEC	DEG	MIN	SEC
12	°	'	''	°	'	''
	°	'	''	°	'	''
	°	'	''	°	'	''

N.B. This template/table must be used to provide additional coordinates for relevant infrastructure which must be included in [APPENDIX 9](#).

Locality map and Project Plan:

Locality map:	A locality map must be attached to the application form, as APPENDIX 10 . The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must be legible and of high resolution. The map must include the following:
---------------	--

¹ The activity includes multiple co-ordinates as it consists of several spatially segregated footprints. Co-ordinates are included in appendix 10.

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	<ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • scale indicator; • a legend (which explains all symbols used on the map); • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The seconds should be to at least two decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection).
<p>Project Plan (e.g. Gantt chart)</p>	<p>A project schedule must be submitted as APPENDIX 11, and must include relevant milestones for:</p> <ul style="list-style-type: none"> • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments); • the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; • the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). <p>Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations, as amended. Possible appeals may impact on project timeframes/milestones. Regulation 45 states that “An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7).” It is recommended that the Competent Authority be approached for guidance on the process to be followed, prior to submitting an application.</p>

8. ACTIVITIES APPLIED FOR

For an application for environmental authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
11(i)	The development of facilities or infrastructure for the transmission and distribution of electricity— (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;	Electricity will be transmitted from the PV arrays via 33kV underground powerlines, to the three On-Site / Facility Substations. At the On-Site / Facility Substations the 33kV electricity will be transformed to 132kV. The three onsite substations will have a capacity of up to 300MVA each
12(ii)(c)	The development of— (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	The existing Road access point 3 crosses a watercourse identified by the Aquatic Biodiversity Specialist. The project will require the construction of a causeway/bridge at this existing river crossing.
14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and	The BESS proposed (Particularly the Vanadium Redox Flow technology) will include the storage

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	handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.	of dangerous goods in excess of the threshold of this activity. The final volumes associated with the storage, and storage and handling of dangerous goods will be dependant on the mix of battery technologies deployed.
28(ii)	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;	The proposed PV and BESS Development constitutes Commercial / Industrial use and will occur on a property currently used for limited agricultural purposes.
48	The expansion of— (i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	The existing Road access point 3 crosses a watercourse identified by the Aquatic Biodiversity Specialist. The project will require the construction of a causeway/bridge at this existing river crossing which will expand the existing road by more than 100 square metres.
Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
1	The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more.	The proposed Kareekloof Energy Project will have an Electricity Footprint of up to 900 megawatts.
4	The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.	The BESS proposed (Particularly the Vanadium Redox Flow technology) will include the storage of dangerous goods in excess of the threshold of this activity. The final volumes associated with the storage, and storage and handling of dangerous goods will be dependant on the mix of battery technologies deployed.
15	The clearance of an area of 20 hectares or more of indigenous vegetation.	The proposed Kareekloof Energy Solar PV and BESS project will have a total development footprint of 1530ha and will require the clearance of more than 20ha of indigenous vegetation.
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
18(g)(ii)(ii)	The widening of a road by more than 4m, or the lengthening of a road by more than 1km. g. Northern Cape ii. Outside urban areas: (ii) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland; or	The local public gravel roads are sufficiently maintained and wide enough to access the road access points. From the public gravel road access points to the laydowns and buildings/facilities there is 6.25km of 7m wide Access road that is needed. 4.3km of this will be new access routes and about 2km are existing farm roads. 10km of the internal roads follow existing farm tracks that will need to be widened to 4m and 165km will be new internal road routes.

main road.

- Photographic evidence and the location of these notices will be included in the Draft Scoping Report.

(b) giving written notice, in any of the manners provided for in section 47D of the Act, to -

(i) the occupiers of the site and, if the proponent or applicant is not the owner or person in control of the site on which the activity is to be undertaken, the owner or person in control of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;

- The landowner has been requested to notify any tenants on the property. There are no tenants that fall within the footprint of the proposed PV.

(ii) owners, persons in control of, and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;

- Owners of adjacent properties have been notified of this environmental process. Such owners have been requested to inform the occupiers of the land of this environmental process. Copies of these notifications will be included in the Draft Scoping Report.

(iii) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;

- The ward councillor (Ward 6) will be notified of this environmental process.

(iv) the municipality which has jurisdiction in the area;

- The Bergrivier municipality (Planning, Environmental and Technical Services) as well as the West Coast District Municipality will be notified of this environmental process.

(v) any organ of state having jurisdiction in respect of any aspect of the activity; and

- All organs of state that have jurisdiction in respect of this activity will be notified of this environmental process.

(vi) any other party as required by the competent authority;

- The DFFE has been given an opportunity to comment on this Draft BAR, any other parties identified will be given an opportunity to comment.

(c) placing an advertisement in -

(i) one local newspaper; or

(ii) any official Gazette that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;

- An advert notifying potential I&AP's will be placed in the Weslander local newspaper.
- There is currently no official Gazette that has been published specifically for the purpose of providing public notice of applications

(d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the metropolitan or district municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official Gazette referred to in paragraph (c)(ii);and

- Adverts were not placed in provincial or national newspapers, as the potential impacts will not extend beyond the borders of the municipal area.

(e) using reasonable alternative methods, as agreed to by the competent authority, in those instances where a person is desirous of but unable to participate in the process due to -

(i) illiteracy;

(ii) disability; or

(iii) any other disadvantage.

- Notifications have included provision for alternative engagement in the event of illiteracy, disability or any other disadvantage. In such instances, Cape EAPrac will engage with such individuals in such a manner as agreed on with the competent authority.

(3) A notice, notice board or advertisement referred to in sub regulation (2) must -
(a) give details of the application or proposed application which is subjected to public participation; and
(b) state -
(i) whether basic assessment or S&EIR procedures are being applied to the application;
(ii) the nature and location of the activity to which the application relates;
(iii) where further information on the application or proposed application can be obtained; and
(iv) the manner in which and the person to whom representations in respect of the application or proposed application may be made. Please refer to Annexure F3.

(4) A notice board referred to in sub regulation (2) must -

(a) be of a size at least 60cm by 42cm; and

(b) display the required information in lettering and in a format as may be determined by the competent authority.

- Three Site Notices have been Placed on the property boundary along the R399. Details of these are included in the Draft Scoping Report.

(5) Where public participation is conducted in terms of this regulation for an application or proposed application, sub regulation (2)(a), (b), (c) and (d) need not be complied with again during the additional public participation process contemplated in regulations 19(1)(b) or 23(1)(b) or the public participation process contemplated in regulation 21(2)(d), on condition that -

(a) such process has been preceded by a public participation process which included compliance with sub regulation (2)(a), (b), (c) and (d); and

(b) written notice is given to registered interested and affected parties regarding where the -

(i) revised basic assessment report or, EMPr or closure plan, as contemplated in regulation 19(1)(b);

(ii) revised environmental impact report or EMPr as contemplated in regulation 23(1)(b); or

(iii) environmental impact report and EMPr as contemplated in regulation 21(2)(d);

may be obtained, the manner in which and the person to whom representations on these reports or plans may be made and the date on which such representations are due.

- This will be complied with if revised reports are produced later on in the environmental process.

(7) Where an environmental authorisation is required in terms of these Regulations and an authorisation, permit or licence is required in terms of a specific environmental management Act, the public participation process contemplated in this Chapter may be combined with any public participation processes prescribed in terms of a specific environmental management Act, on condition that all relevant authorities agree to such combination of processes

All reports that are submitted to the competent authority will be subject to a public participation process. These include:

- Draft Scoping Report
- Draft Environmental Impact Report
- Draft EMPr

All specialist reports that form part of this environmental process.

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10. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If YES, please indicate the following:			
Competent Authority	Not Applicable.		
Application Reference Number			
Project Name			
Please provide details of the steps taken to ascertain this information: DDFE REA Database, Discussions with affected landowners.			
Explain whether the above approval(s) will be in conflict with the proposed development.			

11. OTHER LEGISLATION/APPROVAL

Applications in terms of the National Environmental Management Act (“NEMA”) & specific environmental management Acts (“SEMA”):

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
Is Section 50(5) of the National Environmental Management: Protected Areas Act applicable to your proposed development? (The proposed development is within a proclaimed protected area as defined the Act.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Water Act (Act No. 36 of 1998)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Environmental Management: Waste Act (Act No. 59 of 2008)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others: Please specify National Heritage Resources Act	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**. **An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities;**
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority **prior** to an Application for Environmental Authorisation being lodged with the Competent Authority. This approval must be attached as [APPENDIX 12](#); and

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- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form as [APPENDIX 13](#). If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

12. LIST OF APPENDICES

		SUBMITTED	
		YES	NO
APPENDIX 1	Copy of the pre-application meeting minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 2	Proof of Payment / Motivation for exclusion	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 3	List of landowners (with contact details) and written consent of landowners. <i>If more than 1 landowner consent is attached, use sub-number 3a, 3b, 3c to denote the associated document.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 4	Declaration of Applicant	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 5	List of Local/Provincial Authority involved (with contact details)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 6A	Proof of appointment of EAP before 8 August 2022	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 6B	Valid EAPASA Registration Certificate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 6C	Declaration of EAP and undertaking under oath or affirmation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 7A	Renewable Energy Development Zone Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7B	EGI in Strategic Transmission Corridor Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7C	Pre-Negotiated Route Agreement for EGI	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7D	Motivation pertaining to the Standard as per GNR 2313	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7E	EGI in Renewable Energy Development Zone Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7F	Pre-Negotiated Route Agreement for EGI in REDZ	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7G	Gas Transmission Pipeline Infrastructure Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 7H	Pre-Negotiated Route Agreement for Gas Transmission Pipeline	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 8A	List of Strategic Infrastructure Projects	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 8B	SIP Confirmation Letter from SIP Coordinator	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 9	List of SGIDs and coordinates	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 10	Locality map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 11	Project schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 12	Section 50(5) of NEM:PAA approval	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 13	Notice of Intent in terms of NHRA 25 of 1999	<input type="checkbox"/>	<input checked="" type="checkbox"/>
APPENDIX 14	Screening Tool Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>
APPENDIX 15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

Please refer to digital upload for copies of pre application meeting presentation.

APPENDIX 2
PROOF OF PAYMENT / ~~MOTIVATION FOR EXCLUSION~~

Proof of payment of application fee is appended to digital submission.

APPENDIX 3 LIST OF LANDOWNERS

(with contact details) and written consent of landowners. If more than 1 landowner consent is attached, use sub-number 3a, 3b, 3c to denote the associated document.

Name of the Landowner	Vrede Family Trust
Surname of the Landowner	Diederik J Vermeulen
Postal address	Farm Vrede, Philipstown.
Postal code	8795
Telephone	082 482 6985
Cellphone	082 482 6985
E-mail	odysfarming@gmail.com

Name of the Person in control of the land	Vrede Family Trust
Surname of the Person in control of the land	Diederik J Vermeulen
Postal address	Farm Vrede, Philipstown.
Postal code	8795
Telephone	082 482 6985
Cellphone	082 482 6985
E-mail	odysfarming@gmail.com

*If more than 1 activity applies to the same farm portion/property and same landowner, One (1) landowner consent form may be submitted, which clearly outlines all the relevant activities specific to said property and landowner.

APPENDIX 3 (a/b/c etc)

CONSENT FROM THE LANDOWNER / PERSON IN CONTROL OF THE LAND, ON WHICH THE ACTIVITY IS TO BE UNDERTAKEN

Landowner consent is included in Appendix 3a. It must be noted that the same landowner applies to all properties.

Submitted in terms of the requirements of sub-regulation 39(1) of the Environmental Impact Assessment Regulations, 2014 (if the applicant is not the owner or person in control of the land on which the activity is to be undertaken).

KINDLY NOTE THAT:

1. This document should be attached as Appendix 3 to: The application form for Environmental Authorization in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998).
2. This form is current as of August 2023. It is the responsibility of the Applicant / Environmental Assessment Practitioner ("EAP") to ascertain whether subsequent versions of the form have been released by the Department.
3. One form must be filled in per landowner.

1. DETAILS OF APPLICANT:

Project Applicant	Click or tap here to enter text.
Trading name (if any)	Click or tap here to enter text.
Contact person	Click or tap here to enter text.
Physical address	Click or tap here to enter text.
Postal address:	Click or tap here to enter text.
Postal code	Click or tap here to enter text.
Telephone/ cell:	Click or tap here to enter text.
E-mail:	Click or tap here to enter text.

2. DETAILS OF LANDOWNER:

(where the applicant is not the landowner or person in control of the land)

Landowner or person in control of the land:	Click or tap here to enter text.
Contact person	Click or tap here to enter text.
Physical address	Click or tap here to enter text.
Postal address:	Click or tap here to enter text.
Postal code	Click or tap here to enter text.
Telephone/ cell:	Click or tap here to enter text.
E-mail:	Click or tap here to enter text.

3. PROJECT DETAILS AND ACTIVITIES APPLIED FOR:

Project title

3.1. Activities applied for:

Describe each listed activity in Listing Notices 1, 2 or 3 (GNR 983 -985, 04 December 2014) which is being applied for as per the project description

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint

		applicable.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

4. PROPERTY DESCRIPTION:

Property Description

Click or tap here to enter text.
(Farm name, portion etc.) Where a large number of properties are involved), please attach a full list to this application.

Town(s) or district(s):
Physical (street) address of project:

Click or tap here to enter text.
Click or tap here to enter text.

5. CONSENT FROM LANDOWNER OR PERSON IN CONTROL OF THE LAND TO UNDERTAKE THE ACTIVITY/IES:

I, [Click or tap here to enter text](#) declare that, I:-

1. Am the landowner or person in control of the property described in Section 4 of this document; and
2. That I hereby give consent to the applicant [Click or tap here to enter text](#), as described in section 1 of this document to undertake the activity/ies as described in section 3 of this document on the property described in section 4.

Signature of the landowner or person in control of the land

Monday, 03 July 2023

APPENDIX 4 DECLARATION OF APPLICANT

I, Marshall Mabin declare that –

- a) I am, or represent³, the applicant in this application;
- b) I have appointed a valid, EAPASA registered Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP⁴;
- c) I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent, affiliated with the relevant professional body e.g. EAPASA/SACNASP etc and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- d) I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
- e) I will be responsible for the costs incurred in complying with the EIA Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the Competent Authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the Competent Authority;
- f) I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
- g) I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
- h) I hereby indemnify the Government of the Republic of South Africa, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- i) I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these EIA Regulations;
- j) I will perform all obligations as expected from an applicant in terms of the EIA Regulations;
- k) All the particulars furnished by me in this form are true and correct;
- l) 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 NEMA Act; and
- m) I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.



Signature of the applicant/ Signature on behalf of the applicant

Kareekloof Energy 2023

Name of company (if applicable)

22 Apr 2024

Date

³ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

⁴ If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

APPENDIX 5
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED
(WITH CONTACT DETAILS)

Provincial/Local authority:

Department of Agriculture, Environmental Affairs, Rural Development and Land Reform.

Contact person:

Mr Denver van Heerden

Postal/Physical address:

P.O Box 28 De Aar, 7000

Telephone/Cell:

087 630 0360

E-mail:

dvanheerden@daeardlr.gov.za

APPENDIX 6A
PROOF OF APPOINTMENT OF EAP BEFORE 8 AUGUST 2022

Not Applicable – The EAP was appointed after 08 August 2022, but is EAPASA registered.

APPENDIX 6B
VALID EAPASA REGISTRATION CERTIFICATE

Environmental Assessment
Practitioners Association
of South Africa



Registration No. 2019/301

Herewith certifies that

Dale Holder

is registered as an

Environmental Assessment Practitioner

*Registered in accordance with the prescribed criteria of Regulation 15. (1)
of the Section 24H Registration Authority Regulations
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the
National Environmental Management Act (NEMA), Act No. 107 of 1998, as
amended).*

Effective: 01 March 2023

Expires: 29 February 2024

Chairperson

Registrar



APPENDIX 6C
DECLARATION OF EAP AND UNDERTAKING UNDER OATH OR AFFIRMATION

I, Dale Holder, declare that –

- a) I act as the independent, registered in terms of EAPASA, environmental assessment practitioner in this application;
- b) I have expertise in conducting environmental impact assessments, including knowledge of the Act, EIA Regulations and any guidelines that have relevance to the proposed activity;
- c) I will comply with the Act, EIA Regulations and all other applicable legislation;
- d) I am aware that I must be registered with Environmental Assessment Practitioners Association of South Africa (EAPASA) in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended.**
- e) I am aware that a candidate EAP may only assist the registered EAP and work under the supervision of a registered EAP (regulation 14(6) in the S24H Registration Authority Regulations, 2016, as amended) such as myself. I take full responsibility for the work conducted.
- f) 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;
- g) I will take into account, to the extent possible, the matters listed in Regulation 13 of the EIA Regulations and Regulation 14 of S24H of Section 24H Registration Authority Regulations, 2016, as amended, when preparing the application and any report relating to the application;
- h) 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) I will perform all obligations as expected from an environmental assessment practitioner in terms of the EIA Regulations and S24H of NEMA ; and
- j) 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 and EIA Regulations and Regulation 18 and 20 of S24H Registration Authority Regulations, 2016, as amended.

Disclosure of Vested Interest (delete whichever is not applicable)

- k) 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 EIA Regulations;
- l) ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~
Click or tap here to enter text.



Signature of the registered environmental assessment practitioner

Cape Environmental Assessment Practitioners

Name of company:

Monday, 22 April 2024

Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, **Dale Holder** ~~swear under oath~~ / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

A handwritten signature in black ink, consisting of several overlapping loops and a horizontal line extending to the left.

Signature of the registered Environmental Assessment Practitioner

Cape Environmental Assessment Practitioners (Pty) Ltd

Name of Company

22 April 2024

Date

**APPENDIX 7A
RENEWABLE ENERGY DEVELOPMENT ZONE MAP**

The proposed Facility is not within a REDZ

APPENDIX 7B
EGI IN STRATEGIC TRANSMISSION CORRIDOR MAP

Activity does not include EGI

**APPENDIX 7C
PRE-NEGOTIATED ROUTE AGREEMENT FOR EGI**

Activity does not include EGI

APPENDIX 7D
MOTIVATION PERTAINING TO THE STANDARD AS PER GNR 2313

Activity does not include EGI

APPENDIX 7E
EGI IN RENEWABLE ENERGY DEVELOPMENT ZONE MAP

Activity does not include EGI

**APPENDIX 7F
PRE-NEGOTIATED ROUTE AGREEMENT FOR EGI IN REDZ**

Activity does not include EGI

APPENDIX 7G
GAS TRANSMISSION PIPELINE INFRASTRUCTURE MAP

Activity does not include GAS Transmission or Infrastructure

APPENDIX 7H
PRE-NEGOTIATED ROUTE AGREEMENT FOR GAS TRANSMISSION PIPELINE

Activity does not include GAS Transmission or Infrastructure

APPENDIX 8A
LIST OF STRATEGIC INFRASTRUCTURE PROJECTS

Activity is not a SIP

SIP NUMBER	SIP NAME

APPENDIX 8B
SIP CONFIRMATION LETTER FROM SIP COORDINATOR

Activity is not a SIP

APPENDIX 9 LIST OF SGIDS AND COORDINATES

The co-ordinates of the preferred alternative⁵ are reflected in the table below.⁶

Layout Alternative 2 - Preferred	Latitude	Longitude
Area 1	024° 19' 26.24" E	30° 17' 05.81" S
	024° 19' 08.48" E	30° 17' 00.86" S
	024° 19' 03.68" E	30° 16' 53.48" S
	024° 18' 15.28" E	30° 16' 53.41" S
	024° 18' 07.53" E	30° 16' 48.95" S
	024° 18' 10.42" E	30° 16' 43.92" S
	024° 18' 03.60" E	30° 16' 16.82" S
	024° 17' 59.34" E	30° 16' 16.82" S
	024° 17' 59.25" E	30° 16' 11.29" S
	024° 18' 05.53" E	30° 16' 02.81" S
	024° 18' 12.78" E	30° 16' 00.71" S
	024° 19' 09.99" E	30° 16' 19.17" S
	024° 19' 59.96" E	30° 16' 59.69" S
	024° 19' 41.89" E	30° 17' 03.00" S
	024° 19' 26.24" E	30° 17' 05.81" S
Area 2	024° 19' 34.73" E	30° 17' 54.63" S
	024° 18' 48.10" E	30° 17' 44.32" S
	024° 18' 48.37" E	30° 17' 34.27" S
	024° 18' 31.79" E	30° 17' 33.97" S
	024° 18' 33.11" E	30° 17' 11.11" S
	024° 18' 47.65" E	30° 17' 19.48" S
	024° 18' 50.47" E	30° 17' 19.43" S
	024° 18' 50.37" E	30° 17' 28.01" S
	024° 19' 01.72" E	30° 17' 27.76" S
	024° 19' 01.79" E	30° 17' 16.98" S
	024° 20' 04.62" E	30° 17' 05.80" S
	024° 19' 53.40" E	30° 17' 45.56" S
	024° 19' 34.73" E	30° 17' 54.63" S
Area 3	024° 18' 33.05" E	30° 18' 14.64" S
	024° 17' 59.41" E	30° 18' 14.47" S
	024° 17' 54.94" E	30° 17' 52.95" S
	024° 18' 10.62" E	30° 17' 39.64" S
	024° 18' 19.92" E	30° 17' 47.18" S
	024° 18' 23.10" E	30° 17' 52.99" S
	024° 18' 34.56" E	30° 17' 52.90" S

⁵ The Preferred alternative will be refined further in the Environmental Impact Reporting Phase of the Environmental Process.

⁶ This Environmental Assessment Process includes consideration and assessment of the IPP portion of the on-site substations only. The powerline and remainder of infrastructure needed to connect this facility to the national grid is being considered as part of a separate Basic Assessment Process that will run in parallel with the environmental impact assessment phase of this environmental process.

Layout Alternative 2 - Preferred	Latitude	Longitude
	024° 18' 44.13" E	30° 17' 46.73" S
	024° 19' 24.59" E	30° 17' 56.00" S
	024° 19' 16.38" E	30° 17' 59.12" S
	024° 19' 09.02" E	30° 18' 03.34" S
	024° 19' 03.09" E	30° 18' 09.97" S
	024° 18' 33.05" E	30° 18' 14.64" S
Area 4.	024° 18' 31.36" E	30° 17' 10.10" S
	024° 18' 29.43" E	30° 17' 38.73" S
	024° 18' 15.00" E	30° 17' 38.55" S
	024° 18' 15.06" E	30° 17' 34.30" S
	024° 18' 04.11" E	30° 17' 27.96" S
	024° 18' 04.02" E	30° 17' 10.51" S
	024° 17' 53.10" E	30° 17' 10.44" S
	024° 17' 52.82" E	30° 17' 21.25" S
	024° 17' 32.64" E	30° 17' 09.21" S
	024° 17' 38.86" E	30° 16' 46.93" S
	024° 17' 51.70" E	30° 16' 46.77" S
024° 18' 31.36" E	30° 17' 10.10" S	
Area 5.	024° 16' 46.92" E	30° 15' 51.84" S
	024° 16' 34.40" E	30° 15' 30.68" S
	024° 16' 34.58" E	30° 15' 16.11" S
	024° 17' 15.33" E	30° 14' 59.18" S
	024° 17' 23.40" E	30° 15' 13.35" S
	024° 17' 22.98" E	30° 15' 28.06" S
	024° 17' 25.24" E	30° 15' 32.18" S
	024° 17' 25.58" E	30° 15' 51.76" S
024° 16' 46.92" E	30° 15' 51.84" S	
Area 6	024° 16' 48.49" E	30° 15' 54.54" S
	024° 17' 24.79" E	30° 15' 54.66" S
	024° 17' 26.84" E	30° 15' 55.26" S
	024° 17' 26.92" E	30° 16' 00.39" S
	024° 17' 23.28" E	30° 16' 05.30" S
	024° 17' 23.23" E	30° 16' 07.82" S
	024° 17' 11.92" E	30° 16' 18.56" S
	024° 16' 58.44" E	30° 16' 11.02" S
024° 16' 48.49" E	30° 15' 54.54" S	
Area 7	024° 15' 57.60" E	30° 15' 39.97" S
	024° 16' 37.58" E	30° 16' 03.41" S
	024° 16' 37.94" E	30° 16' 10.57" S
	024° 16' 49.16" E	30° 16' 10.30" S
	024° 16' 55.37" E	30° 16' 13.87" S
	024° 16' 52.79" E	30° 16' 36.96" S
	024° 16' 41.58" E	30° 16' 47.68" S
	024° 15' 56.39" E	30° 16' 25.67" S
024° 15' 37.22" E	30° 15' 57.75" S	

Layout Alternative 2 - Preferred	Latitude	Longitude
	024° 15' 57.60" E	30° 15' 39.97" S
Area 8	024° 15' 10.85" E	30° 15' 12.41" S
	024° 15' 54.29" E	30° 15' 37.89" S
	024° 15' 35.28" E	30° 15' 54.49" S
	024° 15' 09.18" E	30° 15' 15.95" S
	024° 15' 10.85" E	30° 15' 12.41" S
Area 9	024° 15' 54.65" E	30° 15' 36.53" S
	024° 15' 11.48" E	30° 15' 11.21" S
	024° 15' 13.79" E	30° 15' 06.41" S
	024° 15' 54.29" E	30° 15' 06.21" S
	024° 15' 54.65" E	30° 15' 36.53" S
Area 10	024° 16' 06.18" E	30° 15' 43.25" S
	024° 16' 12.14" E	30° 15' 35.06" S
	024° 16' 25.14" E	30° 15' 35.04" S
	024° 16' 37.54" E	30° 15' 55.93" S
	024° 16' 37.65" E	30° 16' 01.61" S
	024° 16' 06.18" E	30° 15' 43.25" S
Access Road ⁷	Latitude	Longitude
Access 1 (RAP 1)	024° 18' 28.70" E	30° 17' 43.62" S
Access 2 (RAP 2)	024° 20' 04.39" E	30° 17' 01.67" S
Access 3 (RAP 3)	024° 17' 40.06" E	30° 14' 55.92" S
IPP Substation ⁸	Latitude	Longitude
Substation 1	24° 16' 42.60" E	30° 15' 55.81" S
Substation 2	24° 18' 29.80" E	30° 16' 57.26" S
Substation 3	24° 19' 04.38" E	30° 17' 05.68" S
BESS Area ⁹	Latitude	Longitude
BESS 1	24° 16' 36.88" E	30° 15' 42.49" S
BESS 2	24° 18' 42.37" E	30° 17' 01.12" S
BESS 3	24° 18' 54.39" E	30° 17' 02.66" S

⁷ This table depicts the position of the proposed road access points (RAP's) to the PV footprints. The Access road from the R48 to the point where it enters the PV footprints is existing.

⁸ This table depicts the approximate center point of the IPP portion of the on site substations.

⁹ This table depicts the approximate center-point of the proposed BESS Areas.

**APPENDIX 10
LOCALITY MAP**

Please refer to digital submission

**APPENDIX 11
PROJECT SCHEDULE**

Please refer to digital submission

APPENDIX 12
SECTION 50(5) OF NEM:PAA APPROVAL

Not applicable – site is not within a protected area

APPENDIX 13
NOTICE OF INTENT IN TERMS OF NHRA 25 OF 1999

To be initiated in parallel with scoping process

**APPENDIX 14
SCREENING TOOL REPORT**

Please refer to digital submission

APPENDIX 15

None