

Scoping and Environmental Impact Assessment
for the Proposed Development of the 240 MW
Kaladokhwe Wind Energy Facility 2 near Nxuba
(Cradock) in the Eastern Cape

DRAFT SCOPING REPORT

APPENDIX E:
Pre-Consultation with the
Competent Authority

- Appendix E.1: Pre-Application Meeting Request Form
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Approval of the Pre-Application Meeting
Presentation and Notes



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E. 1: Pre-Application Meeting Request Form



forestry, fisheries
& the environment

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

PRE-APPLICATION MEETING REQUEST

Request for a pre-application meeting in terms of Regulation 8 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

- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Cradock in the Eastern Cape Province.
- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Cradock in the Eastern Cape Province.
- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Cradock in the Eastern Cape Province.
- Scoping and Environmental Impact Assessment for the proposed development of the Electrical Grid Infrastructure (EGI) in support of the proposed Kaladokhwe WEFs 1-3, near Cradock in the Eastern Cape Province.

Note from the CSIR: This pre-application meeting request form is being submitted to discuss 4 x projects (as listed above). Note that all 4 x projects will be discussed in one pre-application meeting to enhance efficiency. The proposed projects have similar technical components, will take place in the same geographic area, will be located on adjacent land parcels, and will connect to a newly proposed Main Transmission Substation. This, along with the current constrained energy landscape, serves as adequate motivation to discuss all four projects in one pre-application meeting. The Department of Forestry, Fisheries, and the Environment (DFFE) is kindly requested to invite and include all assigned case officers at the pre-application meeting.

Four separate Applications for Environmental Authorisation (EA) along with four separate Scoping Reports and four separate EIA Reports will be submitted to the DFFE for consideration following the pre-application meeting.

Kindly note the following:

1. This form must always be used for pre-application meeting requests where this Department is the Competent Authority.
2. This application 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. The onus on Applicant/EAP 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 GN R983, R984 and R98 of 04 December 2014, as amended, it must also form part of the Application for Environmental Authorisation.
4. Be reminded that it is not compulsory in terms of the EIA Regulations that a pre-application meeting must take place prior to an application being lodged with the Department.
5. This form must be lodged with the Department at least **one (1) month** prior to the requested meeting date.
6. Please note that the proposed date and time will be confirmed prior to the meeting.
7. A detailed motivation and agenda must be appended to this meeting request.
8. This form must be marked **“for Attention: Chief Director: Integrated Environmental Authorisations”** and submitted to the Department via email.
9. All fields are compulsory.
10. 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).
11. **Note that the EAP is required to submit minutes of the meeting to the Department for approval as per the timeframes agreed to in the meeting.**
12. The Department reserves the right to refuse the pre-application meeting based on the information provided in this request.

Departmental Details

Online Submission:

EIAapplications@environment.gov.za

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

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. APPLICANT CONTACT DETAILS

Name of the Applicants:	Kaladokhwe Wind 1 (Pty) Ltd Kaladokhwe Wind 2 (Pty) Ltd Kaladokhwe Wind 3 (Pty) Ltd
RSA Identity/ Passport Number:	Not Applicable
Name of contact person for applicant (if other):	Mr Joachim Altpeter

DRAFT SCOPING REPORT: Scoping and Environmental Impact Assessment for the proposed development of the 240 MW Kaladokhwe Wind Energy Facility 2, near Nxuba (previously Cradock) in the Eastern Cape

RSA Identity/ Passport Number:	C5YPTJV4K		
Responsible position, e.g. Director, CEO, etc.:	Director		
Company/ Trading name (if any):	N/A		
Company Registration Number:	Kaladokhwe Wind 1 (Pty) Ltd 2022/256625/07 Kaladokhwe Wind 2 (Pty) Ltd 2022/256655/07 Kaladokhwe Wind 3 (Pty) Ltd 2022/256664/07		
BBBEE status:	N/A		
Physical address:	101, Block A, West Quay Building 7 West Quay Road Waterfront Cape Town 8001		
Postal address:	PO Box 51060 Waterfront Cape Town		
Postal code:	8001	Cell:	+971 588 359 883
Telephone:	+971 588 359 883	Fax:	
E-mail:	joachim.altpeter@wearejph.com		

2. ENVIRONMENTAL ASSESSMENT PRACTITIONER CONTACT DETAILS

Company of Environmental Assessment Practitioner:	Council for Scientific and Industrial Research (CSIR)			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition	135 %
EAP name:	Paul Lochner			
EAP Qualifications:	<ul style="list-style-type: none"> ▪ B.Sc. Civil Engineering (awarded with Honours), University of Cape Town ▪ M. Phil. Environmental Science, University of Cape Town 			
Professional affiliation/registration:	Registered EAP (2019/745) with the Environmental Assessment Practitioners Association of South Africa (EAPASA)			
Physical address:	11 Jan Celliers Street, Stellenbosch, 7599			
Postal address:	PO Box 320, Stellenbosch			
Postal code:	7599	Cell:	084 442 3646	
Telephone:	021 888 2486	Fax:	021 888 2693	
E-mail:	PLochner@csir.co.za LKellerman@csir.co.za			

3. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

Reason(s) in terms of S24C of NEMA:

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

The National DFFE, based in Pretoria, will be the Competent Authority (CA). This is based on the Government Gazette 40110, Government Notice 779, dated 1 July 2016, published by the then Minister of Environmental Affairs, which stipulates that the Minister of Environmental Affairs (now Forestry, Fisheries, and the Environment) is the CA for the consideration and processing of Environmental Authorisations (EAs) and amendments thereto for activities related to the Integrated Resource Plan (IRP) 2010 – 2030, and any updates thereto.

4. MEETING DETAILS

<p>Purpose of the meeting request</p>	<p>The purpose of the meeting request is to introduce and discuss the following proposed projects with the DFFE and to obtain confirmation on the proposed scope, approach, and schedule of the Scoping and Environmental Impact Assessment (S&EIA) processes to be undertaken:</p> <ul style="list-style-type: none"> ▪ S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Cradock, Eastern Cape. ▪ S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Cradock, Eastern Cape. ▪ S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Cradock, Eastern Cape. ▪ S&EIA for the proposed development of the Electrical Grid Infrastructure (EGI) in support of the Kaladokhwe WEFs 1-3, near Cradock, Eastern Cape. <p>In particular, the purpose of the pre-application meeting includes the following:</p> <ul style="list-style-type: none"> ▪ To provide the DFFE with an overview of the project description for the abovementioned projects; ▪ To clarify any uncertainties and issues that need to be addressed during the S&EIA Processes; ▪ To discuss the integrated public participation process that will be undertaken in compliance with the 2014 NEMA EIA Regulations (as amended); ▪ To discuss and confirm the listed activities and specialist studies (including compliance statements) that will be undertaken during the S&EIA Processes; ▪ To discuss and confirm the specialist studies that will be motivated against being undertaken as part of the S&EIA Processes; ▪ To discuss and confirm the proposed project schedule and overall process for the S&EIAs, including the applicable Listed Activities and Cumulative Impact Assessment approach (i.e., assess cumulative impacts based on a 50 km buffer and based on Renewable Energy projects with a positive EA issued at the start of these S&EIAs (i.e., August 2022)).
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Any advice requested before from the Department on this project i.e. from IQ or via email (attached response received)		No
Applicant Category	Application by Parastatal	
	Organ of State	
	Private Individual/Parties	✓
Application type	Application for EA	✓
	Application for Integrated EA	
	Application for Amendment EA	
Proposed meeting date and time-slot. Provide three alternative dates and time-slots (<i>note that the Department requires at least a month due to logistical arrangements</i>)		
Note from the CSIR: The CSIR acknowledges that the DFFE has a considerable number of applications to process. We are humbly requesting alternative dates prior to the one-month clause above based on the strategic nature of the project and the approaching Bidding Windows of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). Additional date and time options have also been provided.		
Date	Time-slot	
	Start time	End time
1. Thursday, 22 September 2022	10h00	12h00
2. Friday, 23 September 2022	11h00	13h00
3. Monday, 26 September 2022	09h00	11h00
Duration of the meeting	1.5 - 2 Hours	
Estimated number of people attending meeting	8 - 10	

Please attach a proposed agenda as **APPENDIX 1**. If the Applicant or EAP intends to discuss several projects in one meeting, separate agendas must be drafted for each proposed project and the project details for each project. Please note that a detailed agenda is required.

Note from the CSIR: Note that all 4 x projects will be discussed in one pre-application meeting to enhance efficiency. The proposed projects are of the same type, have similar technical components, will take place in the same geographic area, are located on adjacent land parcels, and will connect to a newly proposed Main Transmission Substation (MTS). This, along with the current constrained energy landscape, serves as adequate motivation to discuss all projects in one pre-application meeting. The meeting agenda is therefore the same for all 4 x projects, hence once combined agenda has been provided.

5. PROJECT DETAILS

Project description	<p><u>INTRODUCTION</u></p> <p>The Project Developer, Atlantic Renewable Energy Partners (Pty) Ltd, is proposing the development of a commercial wind farm cluster that is expected to comprise three WEFs, namely Kaladokhwe Wind 1, Kaladokhwe Wind 2 and Kaladokhwe Wind 3 (hereinafter referred to as “the Applicants”), with a potential generating output capacity of up to 240 MW per wind energy facility (WEF) as well as the associated electrical grid, road network and battery energy storage infrastructure, near Cradock in the Eastern Cape Province. In order to facilitate the connection of the proposed Kaladokhwe WEF 1, Kaladokhwe WEF 2 and Kaladokhwe WEF 3 projects to the national electrical grid network, the Project Developer is proposing the construction of one 132 kV overhead transmission powerline, to be located within a 300 m assessment corridor, and its associated EGI from the onsite substations at each WEF to a newly proposed 132 kV / 400 kV Main Transmission Substation (MTS) located northeast of the Kaladokhwe Wind Farm Cluster, including a 400 kV Loop-In-Loop-Out (LILO) connection from the proposed MTS to the two existing Hydra – Poseidon 400 kV powerlines.</p> <p>Details of the proposed projects are specified below:</p> <ul style="list-style-type: none"> • WEF 1, WEF 2 and WEF 3; • 1 x Grid Connection; • 4 x Applications for Environmental Authorisation (EA); • 4 x Separate Scoping Reports; • 4 x Separate EIA Reports; and • 4 x Separate EAs (should they be granted). <p><u>Kaladokhwe WEF 1, WEF 2 and WEF 3 including its associated infrastructure</u></p> <p>A preferred study area with a total extent of approximately 28 000 ha has been identified as a technically suitable project site for the development of the three WEF projects. It is proposed that Kaladokhwe WEF 1 will comprise up to 41 turbines, Kaladokhwe WEF 2 will comprise of up to 43 turbines and Kaladokhwe WEF 3 will comprise of up to 32 turbines, with a total generation capacity of up to 240 MW each. It is anticipated that Kaladokhwe WEF 1, Kaladokhwe WEF 2 and Kaladokhwe WEF 3 will have an actual (permanent) development footprint of up to 65 ha, 70 ha and 55 ha, respectively.</p> <p>The Kaladokhwe WEF 1 project site covers approximately 7 400 ha in extent, the Kaladokhwe WEF 2 project site covers approximately 11 800 ha in extent and Kaladokhwe WEF 3 project site covers approximately 5000 ha in extent.</p> <p>The study area comprising all relevant farm portions to be affected by the development of the three proposed WEFs will be studied by the specialists in order to identify and confirm environmental features and associated sensitivities that need to be avoided. The location of the proposed projects and the citing of the project infrastructure within the assessed study area will be informed by the recommendations of the specialists following their field assessments, where relevant.</p> <p>The proposed three WEF projects will each consist of the components listed below. It is important to note at the outset that the exact specifications of the proposed project components will be determined during the detailed engineering design phase prior to construction (subsequent to the issuing of an EA, should such an authorisation be granted</p>
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for each of the proposed projects), but that the information provided below is seen as the worst-case scenario for each project.

- Number of wind turbines:
 - Kaladokhwe WEF 1 – up to 41 wind turbines,
 - Kaladokhwe WEF 2 – up to 43 wind turbines, and Kaladokhwe WEF 3 – up to 32 wind turbines
- Maximum hub height of each turbine - up to 160 m;
- Rotor blade diameter - up to 200 m;
- A transformer at the base of each turbine;
- Concrete turbine foundations;
- Turbine, crane and blade hardstands;
- Temporary laydown areas (with a combined footprint of up to 12.5 ha for Kaladokhwe WEF1, up to 18 ha for Kaladokhwe WEF2 and up to 15 ha for Kaladokhwe WEF 3) which will accommodate the boom erection, storage and assembly area;
- Battery Energy Storage System (BESS) (with a footprint of up to 5 ha at each WEF);
- Electrical cabling between the turbines, to be laid underground where practical;
- An on-site substation with a footprint of up to 3 ha at each WEF project site to facilitate the connection between the WEF and the national electricity grid network;
- Access roads to the site and between project components inclusive of stormwater infrastructure. A 12 m wide road corridor may be temporarily impacted upon during construction and rehabilitated to 6 m wide after construction. Kaladokhwe WEF 1 and 2 will have a total access road network of up to 50 km in length, and Kaladokhwe WEF 3 will have a total access road network of 40 km in length.
- A temporary construction camp area and concrete batching plants (with a footprint of up to 2 ha at each WEF); and
- Operation and Maintenance buildings (with a footprint of up to 2 ha at each WEF) including a gate house, security building, control centre, offices, warehouses, and a workshop.

Kaladokhwe EGI

The proposed Kaladokhwe Wind Farm Cluster is located approximately 50 km southeast of two existing 400 kV overhead transmission powerlines that run between the existing Hydra and Poseidon Main Transmission Substations (MTS), which are two significant substations located in the Northern Cape and Eastern Cape, respectively.

There is an existing Iziko Series Capacitor Station located along the 400 kV Hydra/Poseidon powerlines, that is situated northwest of the proposed Kaladokhwe Wind Farm Cluster. Eskom's Grid Access Unit (GAU) has confirmed that Eskom will be establishing a new MTS north of the existing Poseidon MTS, due to the existing Poseidon MTS being physically constrained. This aligns to Eskom's Transmission Development Plan (TDP) 2022-2031 that identifies this proposed MTS as the "Poseidon North 132 kV / 400 kV Substation", proposed to be located at or near the Iziko Series Capacitor Station.

In order to evacuate the energy generated by the proposed WEFs to the national grid, a separate S&EIA Process will be undertaken to assess the grid connection route which consists of a 132 kV overhead transmission powerline, to be located within a 300 m wide

	<p>assessment corridor of approximately 52 km in length from the on-site Switching Station to the newly proposed 132 kV / 400 kV Poseidon North MTS to be located northeast of the Kaladokhwe Wind Farm Cluster, including a 400 kV Loop-In-Loop-Out (LILO) connection from the proposed MTS to the two existing Hydra – Poseidon 400 kV powerlines.</p> <p>The proposed grid connection is likely to consist of the components listed below. It is important to note at the outset that the exact specifications of the proposed EGI components will be determined during the detailed engineering design phase (subsequent to the issuing of an EA, should such an authorisation be granted for the proposed EGI), but that the information provided below is seen as the worst-case scenario for the EGI.</p> <ul style="list-style-type: none"> • Voltage of overhead transmission powerlines between the WEF and MTS: 132 kV • Voltage of overhead transmission powerlines between the MTS and the two existing Hydra and Poseidon 400 kV powerlines: 400 kV • 132 kV Pylon height: A maximum of 32 m • 400 kV Pylon height: A maximum of 55 m • Pylon type: Preferably monopole carrying up to three separate powerlines, otherwise lattice structure • 132 kV Servitude width: 31 - 36 m servitude • 400 kV Servitude width: 55 - 90 m servitude <p>In order to identify sensitivities and environmental features that need to be avoided, the specialists will assess an approximately 300 m wide corridor (150 m on either side of the proposed powerline routing) for this proposed 132 kV overhead powerline.</p> <p>It is proposed that an Application for EA will be submitted to the DFFE for the proposed grid connection separately from the Application for EAs to be submitted for each of the three WEFs.</p> <p><u>STRATEGIC ALIGNMENT</u></p> <p>The proposed Kaladokhwe WEF projects are not located within any of the Renewable Energy Development Zones (REDZs) gazetted in Government Gazette 41445, GN R114 on 16 February 2018; and Gazette 44191, GN R144 on 26 February 2021. The proposed 132 kV / 400kV overhead transmission powerline and associated infrastructure will not be located within any of the Strategic Transmission Corridors gazetted in Government Gazette 41445, GN R113 on 16 February 2018. As such, the proposed WEFs and associated grid connections will require separate S&EIA Processes to be undertaken and will be subjected to a decision-making timeframe of 107 days.</p>
<p>Indicate if any screening has taken place on site</p>	<p>The National Web-Based Environmental Screening Tool (hereafter “Screening Tool”) has been carefully studied by the EAP, the Project Developer, and the specialist team at the onset of the Scoping and EIA processes. The specialists have subsequently undertaken a detailed screening of the proposed project sites to verify environmental sensitivities through field-based assessment in order to inform their studies. The relevant sensitivities from the Screening Tool in addition to the specialists’ findings will be discussed in detail in the Scoping and EIA Reports.</p>
<p>Physical Address where the development will take place</p>	<p>The proposed Kaladokhwe WEFs and associated infrastructure will be located approximately 30 km northeast of the town of Cradock in the Eastern Cape Province. Access to the proposed project sites will be facilitated via existing public roads off the R390 provincial tar road connecting Cradock and Hofmeyr and the R56 road connecting</p>

	<p>Cradock and Tarkastad. The main access road to the wind farm cluster will comprise a gravel road that is 8 – 10 m wide. The length of the main access road is yet to be confirmed. A list of the affected farm portions where the proposed developments will take place are provided below.</p>
<p>Farm name(s)/ Erf No</p>	<p>The Kaladokhwe WEF 1 project site will comprise the following farm portions:</p> <ul style="list-style-type: none"> • Remaining Extent of the Farm Dwars Pad Leegte No.114; • Portion 5 of the Farm Dwars Pad Leegte No.114; • Portion 4 of the Farm Dwars Pad Leegte No.114; • Portion 6 of the Farm Dwars Pad Leegte No.114; • Portion 1 of the Farm Beesjes Bult North No.118; • Portion 2 of the Farm Beesjes Bult North No.118; • Portion 1 of the Farm Beesjes Bult South No.115; • Remaining Extent of the Farm Beesjes Bult South No.115; • Portion 4 (a portion of Portion 2) of the Farm Beesjes Bult North No.118; • Remaining Extent (Portion 0) of the Farm Springbokvlei No. 38; • Portion 1 of the Farm Springbokvlei No. 38; • Portion 1 of the Farm Welverdiend No. 129; • Remaining Extent (Portion 0) of the Farm Welverdiend No. 129; • Remainder of Portion 6 of the Farm DuRands Leegte No. 130; • Remainder of Portion 7 of the Farm DuRands Leegte No. 130; • Remaining Extent of the Farm Paarde Kraal East No. 35; • Portion 1 of the Farm Paarde Kraal East No. 35; • Portion 3 of the Farm Paarde Kraal East No. 35; and • Remaining Extent of the Farm Palmietfontein No. 133. <p>The Kaladokhwe WEF 2 project site will comprise the following farm portions:</p> <ul style="list-style-type: none"> • Portion 1 of the Farm Ossen Kraal No. 40; • Remaining Extent (Portion 0) of the Farm Groote Dam No. 48; • Remaining Extent (Portion 0) of the Farm Wilde Honde Fontein No. 132; • Portion 1 of the Farm Ruigte Fontein No. 150; • Remaining Extent of the Farm Ruigte Fontein No. 150; • Portion 2 (a portion of Portion 1) of the Farm No. 43; • Remaining Extent of the Farm Middel Water No. 42; • Portion 1 of the Farm Middel Water No. 42; • Portion 4 of the Farm Groote Dam No. 47; • Remaining Extent of the Farm Palmietfontein No. 133; • Remaining Extent of the Farm Palmietfontein No. 134; • Remainder of Portion 6 of the Farm DuRands Leegte No. 130; • Remaining Extent of the Farm No. 50; • Remaining Extent of the Farm No. 136; • Remaining Extent of the Farm No. 568; • Remaining Extent of the Farm Groote Dam No. 47; • Remaining Extent of the Farm No. 135; • Remaining Extent of the Farm No. 136; • Portion 5 of the Farm Groote Dam No. 47; • Remaining Extent of the Farm Ossen Kraal No. 40; • Remaining Extent of the Farm Roland No. 41; • Portion 1 of the Farm Lange Rif No.44;

	<ul style="list-style-type: none"> • Portion 3 of the Farm Lange Rif No.44; • Portion 6 of the Farm Lange Rif No.44; • Portion 5 of the Farm 137; • Portion 4 of the Farm Lange Rif No.44; • Portion 7 of the Farm Lange Rif No.44; and • Remaining Extent of the Farm No. 49. <p>The Kaladokhwe WEF 3 project site will comprise the following farm portions:</p> <ul style="list-style-type: none"> • Portion 1 of the Farm Ossen Kraal No. 40; • Portion 6 of the Farm Ossen Kraal No. 40; • Portion 1 of the Farm Ruigte Fontein No. 150; • Remaining Extent of the Farm Ruigte Fontein No. 150; • Portion 3 of the Farm Ruigte Fontein No. 150; • Remaining Extent of the Farm Langehoek No. 183; • Portion 7 of the Farm Lange Hoek No.171; • Remaining Extent (Portion 0) of the Farm 607; • Remaining Extent of the Farm Roland No. 169; • Remaining Extent of the Farm De Bruins Requist No. 168; • Portion 1 (Remaining Extent) of the Farm Gunsteling No.165; • Portion 1 of the Farm No.166; and • Portion 2 of the Farm No.166.
Local Municipality	Inxuba Yethemba Local Municipality and Enoch Mgijima Local Municipality
District Municipality	Chris Hani District Municipality

Locality map:	<p>A locality map must be attached to the application form, as APPENDIX 2. 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 include the following:</p> <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; • a legend; • the prevailing wind direction; • 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 and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
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6. ACTIVITIES APPLIED FOR

For an application for 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.

The table below is applicable to the proposed Kaladokhwe WEFs 1 - 3 and associated electrical grid infrastructure:

Note from the CSIR: The listed activities for all three proposed WEF projects (i.e., Kaladokhwe WEF 1, Kaladokhwe WEF 2 and Kaladokhwe WEF 3) are identical at this stage of the process, as they have identical project components and infrastructure. Hence one consolidated list of listed activities has been provided below. However, a separate list of listed activities, considering site specific environmental features for each project, will be included in the Application for EA Form as well as the S&EIA Reports, respectively.

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.
Activity 11 (i)	<p>The development of facilities or infrastructure for the transmission and distribution of electricity –</p> <p>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts or more;</p> <p>excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is –</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	<p>The three proposed Kaladokhwe WEF projects will each entail the construction of one onsite substation hub with a footprint of up to 3 ha, a 132 kV overhead transmission powerline to facilitate the connection between the wind farms and the grid connection as well as a Loop-In-Loop-Out (LILO) between the proposed MTS and existing 400 kV overhead transmission powerlines. The proposed projects will be constructed across various farm portions with Kaladokhwe WEFs 1 and 2 located approximately 30 km north and northeast of Cradock, respectively, and Kaladokhwe WEF 3 located approximately 20 km northeast of Cradock, in the Eastern Cape Province. Therefore, the proposed projects are situated outside of an urban area and this activity would be triggered.</p>
Activity 12 (ii) (a) and (c)	<p>The development of:</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs -</p> <p>a) within a watercourse;</p> <p>b) in front of a development setback; or</p> <p>c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding -</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will</p>	<p>The proposed projects will be constructed across various farm portions with Kaladokhwe WEFs 1 and 2 located approximately 30 km north and northeast of Cradock, respectively, and Kaladokhwe WEF 3 located approximately 20 km northeast of Cradock within the Inxuba Yethemba Local Municipality and Chris Hani District Municipality, in the Eastern Cape Province. Hence the proposed</p>

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	<p>not increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>	<p>projects will take place outside of an urban area.</p> <p>The three proposed WEFs will entail the construction of built infrastructure and structures (such as wind turbines, hardstands, offices, workshops, Operations and Maintenance (O&M) buildings, ablution facilities, onsite substations, laydown areas and security enclosures etc.). The infrastructure and structures are expected to exceed a footprint of 100 m² and some may occur within small drainage features and 32 m of the watercourses.</p> <p>The National Web-based Screening Tool shows some rivers and wetlands are present within the study area. Refer to the map included in Appendix 2 of this form. This will be confirmed and verified during the detailed specialist assessments.</p>
<p>Activity 19</p>	<p>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving-</p> <p>a) will occur behind a development setback;</p> <p>b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</p> <p>c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</p> <p>d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	<p>The three proposed WEF projects will entail the excavation, removal and moving of more than 10 m³ of soil, sand, pebbles, or rock from nearby watercourses on site, mainly for the purpose of constructing access roads. As a result, the proposed WEF projects could potentially also entail the infilling of more than 10 m³ of material into the nearby watercourses. The National Web-based Screening Tool shows some rivers and wetlands are present within the study area. Refer to the map included in Appendix 2 of this form. This will be confirmed and verified during detailed specialist assessments. Details of the infilling of and excavations from the to be affected watercourses/drainage features will be confirmed during the detailed engineering design phase.</p>
<p>Activity 24 (ii)</p>	<p>The development of road with (ii) a road reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 m.</p>	<p>A temporary road corridor of up to 15 m will be impacted during the construction phase. This will be rehabilitated after the completion of construction activities to allow for a permanent 6 m wide road surface, with side drains on one or both sides where necessary.</p>

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Activity 27	The clearance of an area of 1 hectare (ha) or more, but less than 20 ha of indigenous vegetation, except where such clearance of indigenous vegetation is required for (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	The proposed WEF projects will entail the construction of infrastructure with a combined physical footprint of more than 1 ha that will require clearance of indigenous vegetation. This activity is therefore applicable.
Activity 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 three proposed WEF projects will take place outside of an urban area and across several adjoining farm portions. The three proposed WEFs, which are considered as commercial/industrial developments, will each have an estimated total development footprint of more than 20 ha. The proposed projects will also entail the construction of onsite substations (combined footprint of up to 3 ha at each WEF), as well as a BESS (up to 5 ha footprint), and various associated structures and infrastructure. This will constitute infrastructure with a total physical footprint of more than 1 ha at each WEF.
Activity 48 (i) (a) and (c)	The expansion of (i) infrastructure or structures where the physical footprint is expanded by 100 square metre or more, (a) within a watercourse and (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse.	The proposed projects will require the upgrading of existing roads within the project area, as well as watercourse crossing upgrades, where such upgrades may take place within watercourses and within 32 m from the edge of these watercourses. The total footprint of the upgrades to be undertaken on the existing roads would be in excess of 100 m ² within a watercourse, or within 32 m of a watercourse.
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.
Activity 4 (a) (i) and (ee)	The development of a road wider than 4 metres with a reserve less than 13,5 metres. a. Eastern Cape i. Areas outside urban areas: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	A 15 m road corridor may be temporarily impacted upon during construction and rehabilitated to 6 m wide after construction. The Kaladokhwe WEF 1 and 2 will have a total road network of up to 50 km and Kaladokhwe WEF 3 will have a total road network of 40 km. The proposed projects will take place outside of an urban area in the Eastern Cape, on sites that appear to contain

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		indigenous vegetation, as well as Ecological Support Areas (ESAs) and Critical Biodiversity Areas (CBAs) in terms of the 2019 Eastern Cape Biodiversity Conservation Plan (ECBCP).
Activity 10 (a) (i) (ee)	<p>a. Eastern Cape</p> <p>i. Outside urban areas:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>The three proposed WEFs will each include the installation of a BESS. The BESS will comprise of a selection of electrochemical batteries together with chargers, inverters, and related equipment. The BESS will cover an area of up to five (5) ha at each WEF, have a maximum height of 8 m (as recommended) and have a capacity of 1000 MWh.</p> <p>The proposed projects will take place outside of an urban area in the Eastern Cape, on sites that contain ESAs and CBAs in terms of the 2019 ECBCP.</p>
Activity 12 (a) and (ii)	<p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>a. Eastern Cape</p> <p>ii. Within critical biodiversity areas identified in bioregional plans;</p>	<p>The three proposed WEFs will each have an estimated total development footprint of more than 20 ha. As a result, more than 300 m² of indigenous vegetation could be removed for the construction of the proposed WEFs and associated infrastructure.</p> <p>The proposed projects will take place outside of an urban area in the Eastern Cape, on sites that contain ESAs and CBAs in terms of the 2019 ECBCP.</p>
Activity 14 (ii) (a) and (c); (a), (i) and (ff)	<p>The development of –</p> <p>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</p> <p>where such development occurs –</p> <p>(a) within a watercourse;</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>a. Eastern Cape</p> <p>i. Outside urban areas:</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans</p>	<p>The proposed projects will be constructed across various farm portions with Kaladokhwe WEFs 1 and 2 located approximately 30 km north and northeast of Cradock, respectively, and Kaladokhwe WEF 3 located approximately 20 km northeast of Cradock within the Inxuba Yethemba Local Municipality and Chris Hani District Municipality, in the Eastern Cape Province. Hence the proposed project will take place outside of an urban area.</p> <p>The three proposed WEFs will entail the construction of built infrastructure and structures (such as a temporary site camp, concrete batching plants, offices, workshops, O&M buildings, ablution facilities, project substations, laydown</p>

		<p>areas and security enclosures etc.). The infrastructure and structures are expected to exceed a footprint of 10 m² and some may occur within small drainage features and 32 m of the watercourses.</p> <p>The National Web-based Screening Tool shows some rivers and wetlands are present within the study area. Refer to the map included in Appendix 2 of this form. This will be confirmed and verified during detailed specialist assessments.</p> <p>The three proposed WEF projects will take place outside of an urban area in the Eastern Cape, on sites that contain ESAs and CBAs in terms of the 2019 ECBCP.</p>
Activity 18 (a) (i) and (ee)	<p>The widening of a road by more than 4 meters, or the lengthening of a road by more than 1 kilometer.</p> <p>a. Eastern Cape</p> <p>i. All areas outside urban areas:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans</p>	<p>Existing roads will be used as far as practically achievable and will be upgraded where needed. There is a possibility that the existing roads will be widened by more than 4 m or lengthened by more than 1 km.</p> <p>The three proposed WEF projects will take place outside of an urban area in the Eastern Cape, on sites that may contain indigenous vegetation and contain ESAs and CBAs in terms of the 2019 ECBCP.</p>
Activity No(s):	Provide the relevant Scoping and EIR 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.
Activity 1	<p>The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs —</p> <p>(a) within an urban area; or (b) on existing infrastructure.</p>	<p>The proposed projects will entail the development of three WEFs. The proposed WEFs will comprise a maximum generation capacity of 240 MW each (i.e., facility for the generation of electricity from a renewable resource). This activity is therefore applicable.</p> <p><u>Note that GN 114 states that Applications for EA for large scale Wind and Solar PV energy facilities, when such facilities trigger Activity 1 of Listing Notice 2 of 2014 of the 2014 NEMA EIA Regulations (as amended) and any other listed and specified activities necessary for the realisation of such facilities, and where the entire proposed facility is to occur in such REDZs, must follow a BA Process, in order to obtain EA.</u></p> <p>Since none of the proposed WEFs (Kaladokhwe WEF 1, Kaladokhwe WEF 2</p>

		and Kaladokhwe WEF 3) are situated within a REDZ or a strategic power corridor, full S&EIA Processes will be undertaken for each WEF and associated electrical infrastructure. The proposed WEF projects will take place outside of an urban area.
Activity 9	The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is — (a) temporarily required to allow for maintenance of existing infrastructure; (b) 2 kilometres or shorter in length; (c) within an existing transmission line servitude; and (d) will be removed within 18 months of the commencement of development.	A new 132 kV overhead transmission powerline and its associated EGI will be constructed from the onsite substations at each WEF to a newly proposed 132 kV / 400 kV Main Transmission Substation (MTS) located northeast of the Kaladokhwe wind farm cluster, including a 400 kV Loop-In-Loop-Out (LILO) connection from the proposed MTS to the two existing Hydra – Poseidon 400 kV powerlines. A corridor of approximately 52 km in length and 300 m wide will be subject to detailed specialist assessment during the S&EIA Processes. This activity is therefore applicable.
Activity 15	The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for – (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	The total development footprint of each of the proposed WEFs is expected to be more than 20 ha. As a result, more than 20 ha of indigenous vegetation may be removed for the construction of the proposed projects. This activity is therefore applicable.

Be reminded that the onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity.

7. ADDITIONAL INFO, IF ANY

Please attach any additional information as **APPENDIX 3**.

8. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Proposed Agenda	YES	
APPENDIX 2	Locality map and Sensitivity map	YES	
APPENDIX 3	Additional info		NO

APPENDIX 1

PRE-APPLICATION MEETING AGENDA

(Please note that a generic agenda will not be accepted. Please submit a detailed agenda)

Note from the CSIR: This pre-application meeting request form is being submitted to discuss 4 x newly proposed projects that require EA. All applications will be discussed in one pre-application meeting in order to improve efficiency. Separate Application Forms for EA will be submitted to the DFFE along with separate Scoping and separate EIA Reports once the projects commence. Each application requires its own EA (should it be granted).

The proposed projects have the same project description and components, and they take place on proximal farm properties. Based on this, one single combined, detailed proposed agenda for the pre-application meeting has been compiled and included below.

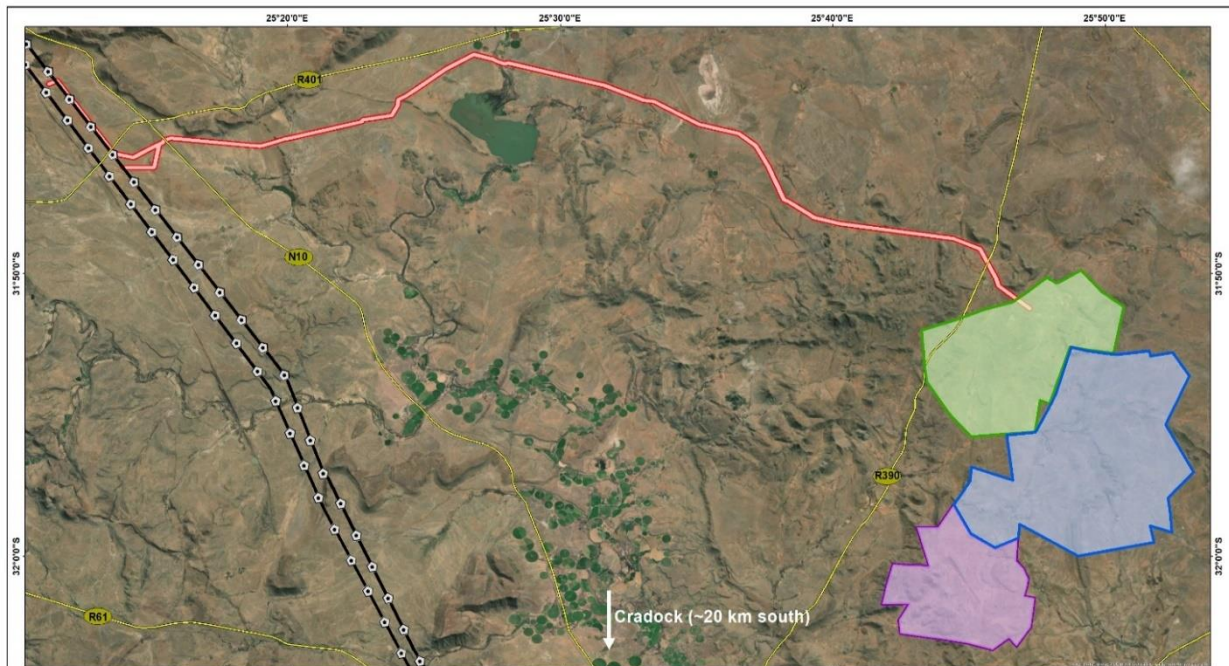
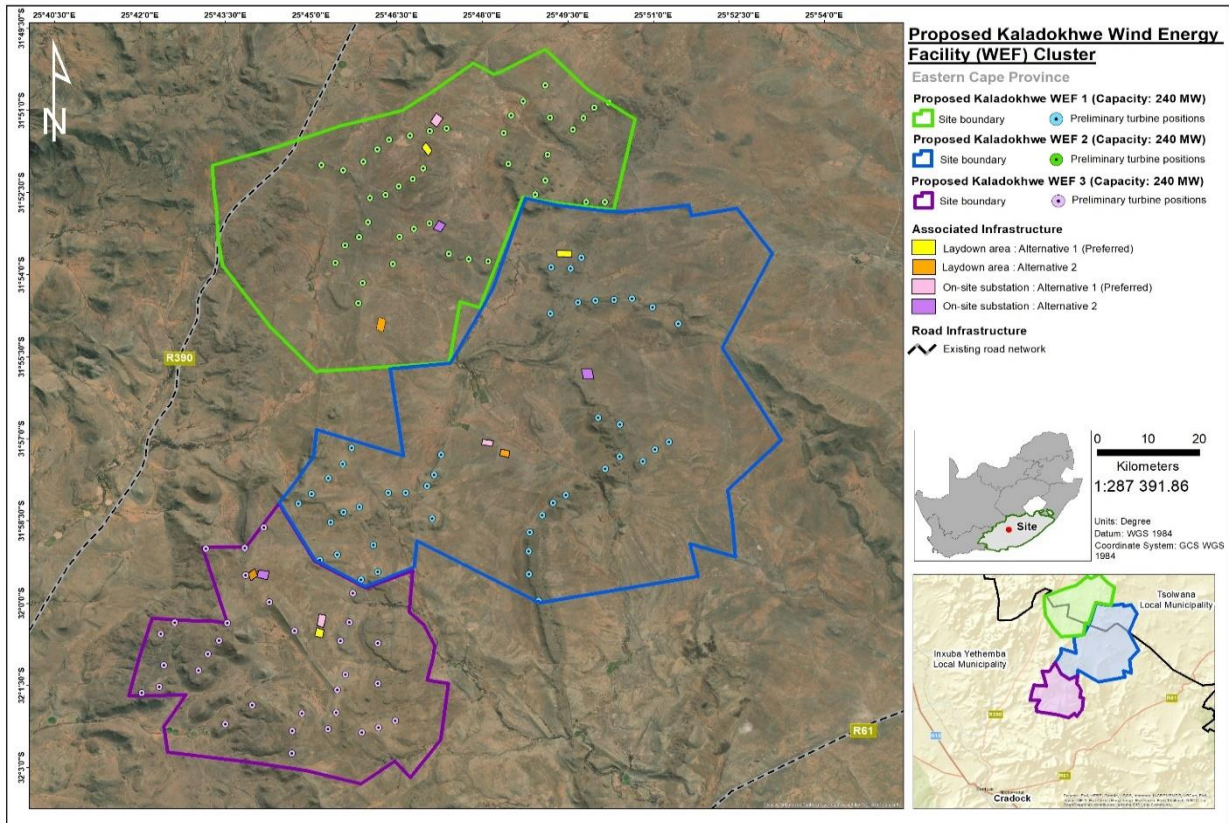
Item	Description	Time	Presenter
1	Welcome, Introduction and Outline of Meeting Proceedings		DFFE
2	Description of the proposed projects: <ul style="list-style-type: none"> S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Cradock, Eastern Cape. S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Cradock, Eastern Cape. S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Cradock, Eastern Cape. S&EIA for the proposed development of the Electrical Grid Infrastructure (EGI) in support of the Kaladokhwe WEFs 1-3, near Cradock, Eastern Cape. 		CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
3	Discussion and clarification on any uncertainties and issues that need to be addressed during the S&EIA Phases.		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd
4	Discussion and confirmation of the plan for the public participation processes that will be undertaken in compliance with the 2014 NEMA EIA Regulations (as amended).		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd
5	Discussion and confirmation of the listed activities and specialist assessments to be undertaken as part of the S&EIA Processes.		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd
6	Discussion and confirmation of the specialist studies that will be motivated against being undertaken as part of the S&EIA Processes.		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd
7	Discussion and confirmation of the proposed schedule and overall process for the EIA and BA Processes, including applicable Listed Activities and Cumulative Impact Assessment Approach (i.e., assess cumulative impacts based on a 50 km buffer and based on Renewable Energy projects with a positive EA issued at the start of this BA and EIA (i.e., August 2022)).		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd

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Item	Description	Time	Presenter
8	Questions		CSIR, DFFE and Atlantic Renewable Energy Partners (Pty) Ltd
9	Way Forward and Closure		DFFE

APPENDIX 2-1

LOCALITY MAP



Proposed Kaladokhwe Grid Connection

Eastern Cape Province

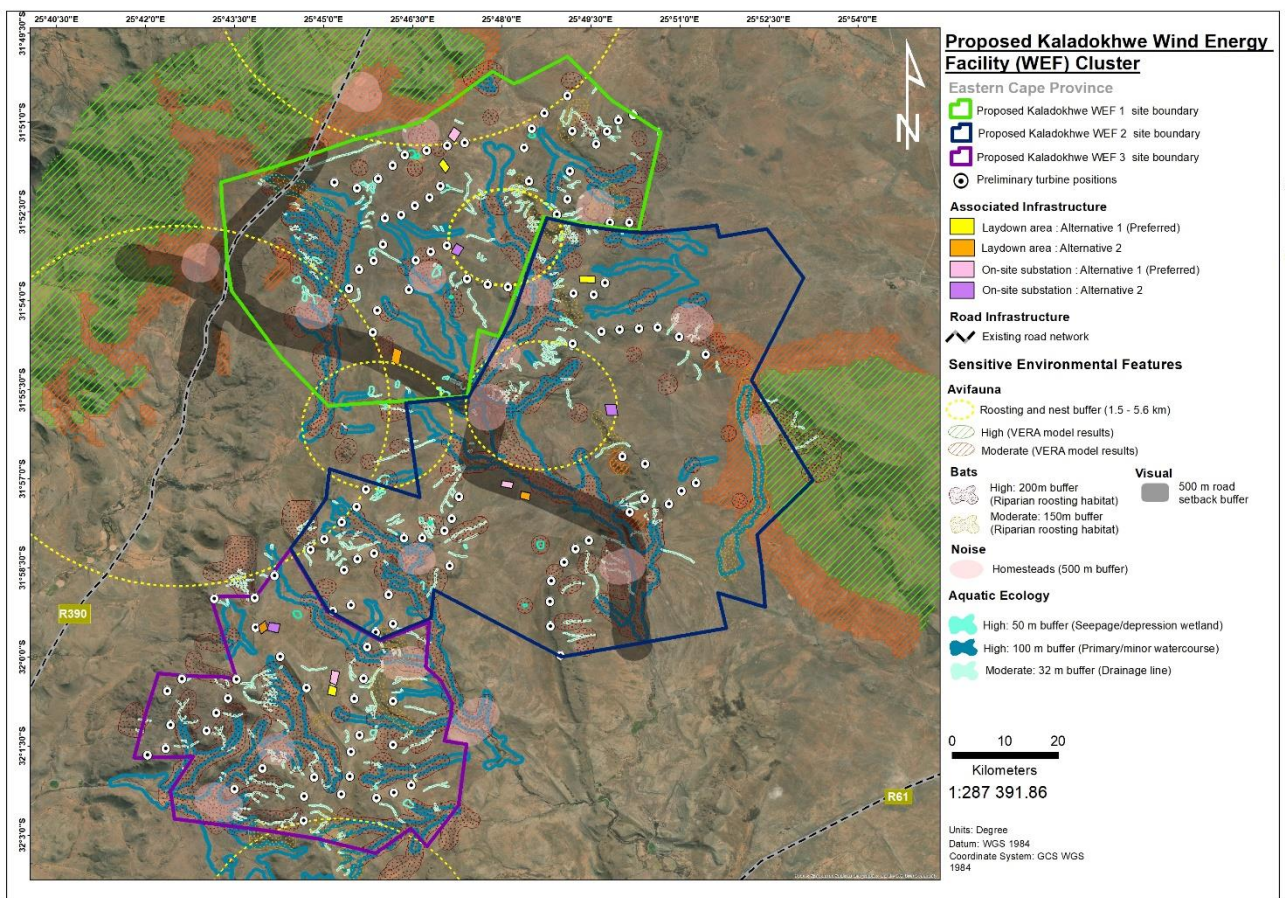
Proposed electrical grid assessment corridor (300 m)

Proposed Kaladokhwe Wind Energy Facility 1



APPENDIX 2-2

INDICATIVE SENSITIVITY MAP



APPENDIX 3

ADDITIONAL INFO, IF ANY

N/A

E. 2: Pre-Application Meeting Presentation

Proposed development of Kaladokhwe Wind Energy Facilities 1-3 and associated Electrical Grid Infrastructure, near Nxuba (Cradock) in the Eastern Cape

Applicants: Kaladokhwe Wind 1 (Pty) Ltd, Kaladokhwe Wind 2 (Pty) Ltd and Kaladokhwe Wind 3 (Pty) Ltd

Pre-Application Meeting with DFFE

Reference: 2022-09-0016

22 September 2022 at 10H00 - 11H30
MS Teams



Points of Discussion / Agenda

Item	Description	Presenter
1	Welcome, Introduction and Outline of Meeting Proceedings	DFFE
2	Overview of the proposed projects: <ul style="list-style-type: none"> S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Nxuba, Eastern Cape. S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Nxuba, Eastern Cape. S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Nxuba, Eastern Cape. S&EIA for the proposed development of the Kaladokhwe Electrical Grid Infrastructure (EGI), near Nxuba, Eastern Cape. 	CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
3	Discussion of National Screening Tool findings and confirmation of the required specialist assessments to be undertaken as part of the S&EIA Processes, including confirmation of the specialist studies that will be motivated against being undertaken during the S&EIA Processes.	CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
4	Discussion and confirmation of the integrated public participation process that will be undertaken in compliance with the 2014 NEMA EIA Regulations (as amended).	CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
5	Discussion and confirmation of the proposed schedule and overall process for the S&EIA Processes, including applicable Listed Activities and Cumulative Impact Assessment Approach (i.e., assess cumulative impacts based on a 30 km buffer and based on Renewable Energy projects with a positive EA issued at the start of this S&EIA (i.e., August 2022)).	CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
6	Questions	CSIR and Atlantic Renewable Energy Partners (Pty) Ltd
7	Way Forward and Closure	DFFE

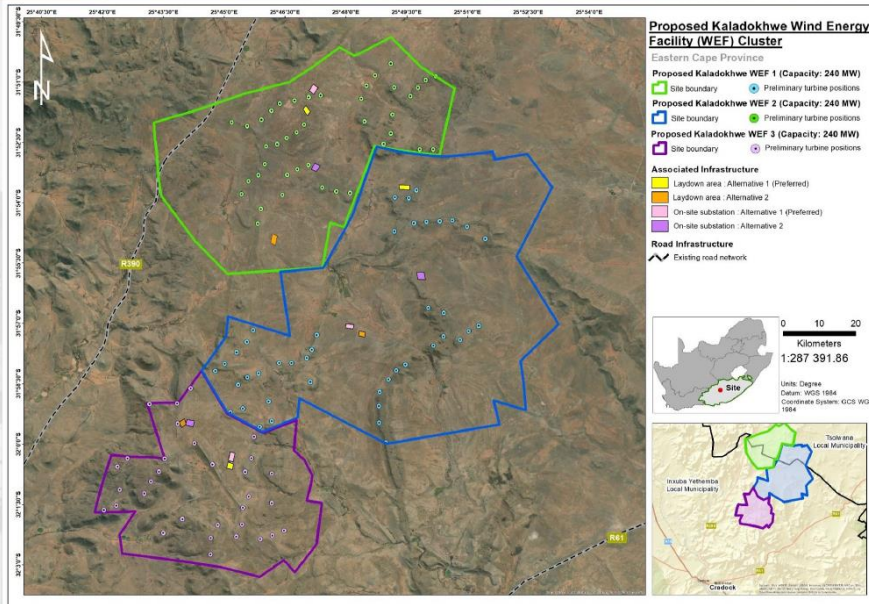
PROJECT DESCRIPTION



Project Description

- **Four** separate Scoping and Environmental Impact Assessment (S&EIA) Processes for the proposed development of **three** Wind Energy Facilities (WEFs) and **one** grid connection, near Cradock in the Eastern Cape Province, namely:
 - Kaladokhwe WEF 1 (240 MW) – up to 41 turbines
 - Kaladokhwe WEF 2 (240 MW) – up to 43 turbines
 - Kaladokhwe WEF 3 (240 MW) – 32 turbines
 - Kaladokhwe Grid Connection – 132 kV OHL + 132 kV/400 kV MTS
- Project Developer: Atlantic Renewable Energy Partners (Pty) Ltd
- Project Applicants:
 - Kaladokhwe Wind 1 (Pty) Ltd (Reg. no. 2022/256625/07)
 - Kaladokhwe Wind 2 (Pty) Ltd (Reg. no. 2022/256655/07)
 - Kaladokhwe Wind 3 (Pty) Ltd (Reg. no. 2022/256664/07)
- EAP: CSIR Environmental Management Services
- Project Location:
 - Approximately 20 km northeast of the town of Cradock
 - Municipalities:
 - Inxuba Yethemba Local Municipality
 - Enoch Mgijima Local Municipality
 - Chris Hani District Municipality
 - Province: Eastern Cape
- Note that none of the proposed WEF projects are situated within a Renewable Energy Zone (REDZ) or a strategic power corridor; therefore, a full Scoping and EIA process will be undertaken for each WEF project → 107 days decision-making timeframe

Location of Proposed Kaladokhwe WEF Project Cluster



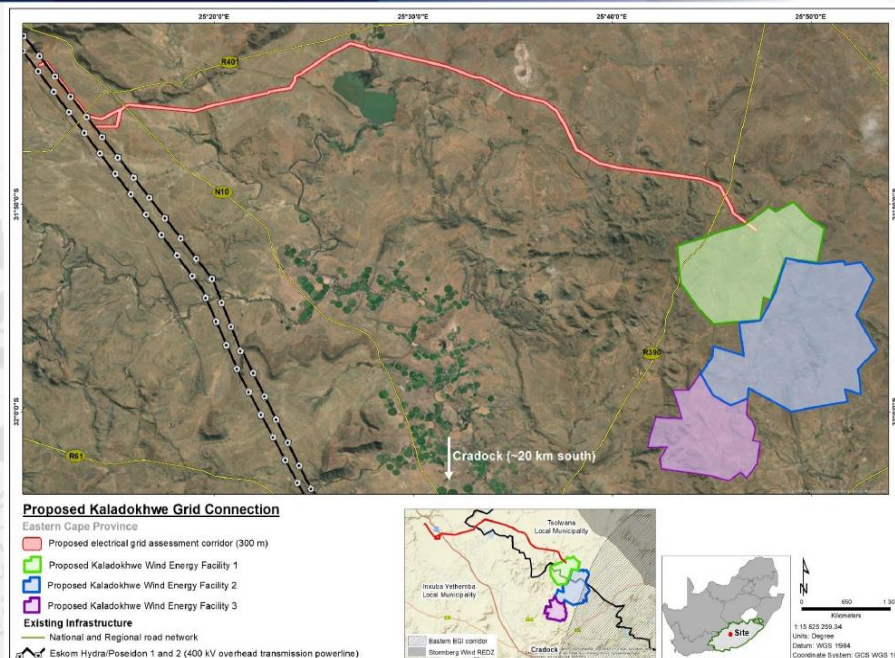
Kaladokhwe WEFs 1-3

- A project area comprising approximately 28 000 ha in total has been identified for the development of the three Kaladokhwe WEF projects.
- It is anticipated that each WEF will have the following development footprints:
 - Kaladokhwe WEF 1: up to 65 ha
 - Kaladokhwe WEF 2: up to 70 ha
 - Kaladokhwe WEF 3: up to 55 ha
- The proposed three WEF projects will each consist of the following components:
 - Maximum hub height of each turbine: up to 160 m;
 - Rotor blade diameter: up to 200 m;
 - A transformer at the base of each turbine;
 - Concrete turbine foundations;
 - Turbine, crane and blade hardstands;
 - Temporary laydown areas which will accommodate the boom erection, storage and assembly area;
 - Battery Energy Storage System (BESS) (with a footprint of up to 5 ha at each WEF);
 - Electrical cabling between the turbines, to be laid underground where practical;

Kaladokhwe WEFs 1-3

- An on-site substation at each WEF with a footprint of up to 3 ha at each WEF project site to facilitate the connection between the WEF and the national electricity grid network;
 - Access roads to the site and between project components inclusive of stormwater infrastructure.
 - Approx. 15 m road corridor may be temporarily impacted upon during construction and rehabilitated to 6 m wide after construction.
 - Kaladokhwe WEFs 1 and 2 will have a total road network of up to 50 km in length and Kaladokhwe WEF 3 will have a total road network of 40 km;
 - A temporary site camp establishment and concrete batching plants (with a footprint of up to 2 ha at each WEF); and
 - Operation and Maintenance buildings (with a footprint of up to 2 ha at each WEF) including a gate house, security building, control centre, offices, warehouses, and a workshop.
- The construction period is expected to span \pm 24 - 30 months
 - The operational period is expected to be 20 - 25 years for each WEF

Location of Proposed Kaladokhwe Grid Connection



Kaladokhwe EGI

- In order to facilitate the connection of the proposed Kaladokhwe WEF 1, Kaladokhwe WEF 2 and Kaladokhwe WEF 3 projects to the national electrical grid network, the construction of the following is proposed:
 - A 132 kV overhead transmission powerline, to be located within a 300 m assessment corridor, and its associated EGI from the onsite substations at each WEF to a newly proposed 132 kV / 400 kV Main Transmission Substation (MTS) to be located approximately 50 km northwest of the Kaladokhwe Wind Farm Cluster
 - A 400 kV Loop-In-Loop-Out (LILO) connection from the newly proposed MTS to the two existing Hydra – Poseidon 400 kV powerlines, that run parallel to the west of the N10 national road.
- In order to identify sensitivities and environmental features that need to be avoided, specialists will assess an approximately 300 m wide corridor (150 m on either side of the proposed powerline routing) of approximately 52 km in length, for the proposed 132 kV overhead powerline.
- A separate Application for EA for the proposed grid connection will be submitted to DFFE for decision-making.

Kaladokhwe EGI

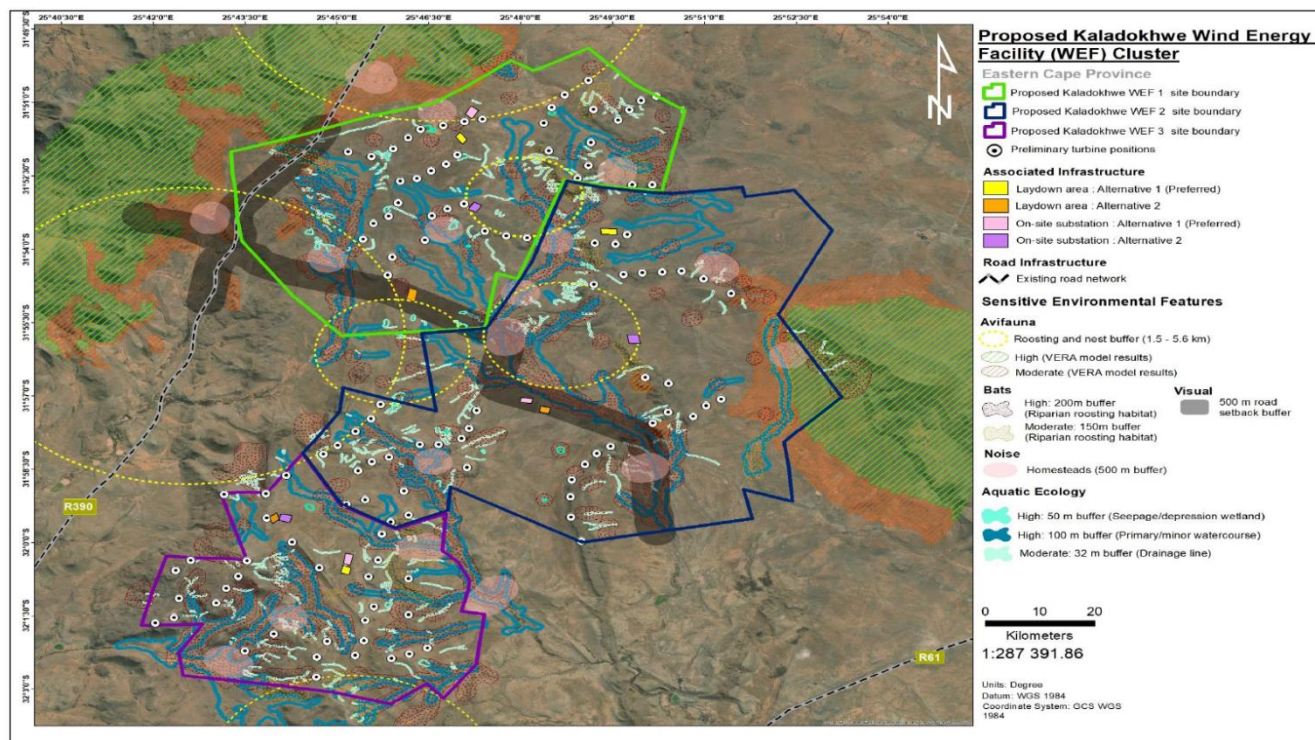
- The proposed grid connection is likely to consist of the components listed below.
 - Voltage of overhead transmission powerlines between the WEFs and new MTS: 132 kV
 - Voltage of overhead transmission powerline between the new MTS and the two existing Hydra and Poseidon 400 kV powerlines: 400 kV (LILO)
 - 132 kV Pylon height: A maximum of 32 m
 - 400 kV Pylon height: A maximum of 55 m
 - Pylon type: Preferably monopole carrying up to three separate powerlines, otherwise lattice structure
 - 132 kV Servitude width: 31 - 36 m servitude
 - 400 kV Servitude width: 55 - 90 m servitude



National DFFE Screening Tool - Themes

Specialists study	Very High	High	Medium	Low
Terrestrial Biodiversity and Species Theme	Kaladokhwe WEFs 1 – 3	Kaladokhwe WEFs 1 – 3	Kaladokhwe WEF 3	Kaladokhwe WEFs 1 and 2
Flicker Theme				
Landscape (Wind) Theme				
Noise Theme				
Paleontology Theme				
Aquatic Biodiversity Theme	Kaladokhwe WEF 2			Kaladokhwe WEFs 1 and 3
Agriculture Theme		Kaladokhwe WEFs 1 – 3		
Bats (Wind) Theme				
Animal Species Theme				
Archaeological and Cultural Heritage Theme				Kaladokhwe WEFs 1 – 3
Civil Aviation (Wind) Theme			Kaladokhwe WEF 3	Kaladokhwe WEFs 1 and 2
Defense Theme				Kaladokhwe WEFs 1 – 3
Plant species Theme			Kaladokhwe WEFs 1 – 3	
Avian (Wind) Theme	Kaladokhwe WEF 2			Kaladokhwe WEFs 1 and 3
RFI Theme		Kaladokhwe WEF 1		Kaladokhwe WEFs 2 and 3

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List of Specialist Studies being undertaken

Specialist Study	Specialist Company	Specialist Name	Type of Assessment
Agriculture and Soils	Private	Johann Lanz	<ul style="list-style-type: none"> Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification and Compliance Statement
Terrestrial Ecology	Biodiversity Africa	Tarryn Martin and Amber Jackson	<ul style="list-style-type: none"> Assessment Protocols GN 320 (March 2020) and GN1150 (October 2020): Site Sensitivity Verification and Compliance Statement or Full Assessment (TBC)
Aquatic Ecology	Nkurenkuru Ecological and Biodiversity	Gerhard Botha	<ul style="list-style-type: none"> Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification and Compliance Statement or Full Assessment (TBC)
Avifauna Assessment	Wildskies Ecological Services	Jon Smallie	<ul style="list-style-type: none"> Assessment Protocol GN 1150 (October 2020): Site Sensitivity Verification and Compliance Statement or Full Assessment (TBC)
Bats	Animalia	Werner Marais	<ul style="list-style-type: none"> Part A of Assessment Protocol GN320 (March 2020): Site Sensitivity Verification Appendix 6 of 2014 NEMA EIA Regulations

List of Specialist Studies being undertaken

Specialist Study	Specialist Company	Specialist Name	Type of Assessment
Visual Impact Assessment	Logis	Lourens du Plessis	<ul style="list-style-type: none"> Part A of Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification Appendix 6 of 2014 NEMA EIA Regulations
Noise Impact Assessment	Enviro Acoustic Research	Morne De Jager	<ul style="list-style-type: none"> Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification and Full Assessment
Traffic Impact Assessment	Iris Wink Consulting	Iris Wink	<ul style="list-style-type: none"> Appendix 6 of 2014 NEMA EIA Regulations
Socio-economic Assessment	Tony Barbour Environmental Consulting	Tony Barbour	<ul style="list-style-type: none"> Appendix 6 of 2014 NEMA EIA Regulations
Heritage Impact Assessment (including Archeology, Palaeontology and Cultural Landscape)	Beyond Heritage	Jaco van der Walt	<ul style="list-style-type: none"> Part A of Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification Appendix 6 of 2014 NEMA EIA Regulations
Civil Aviation Assessment	CSIR	Lizande Kellerman	<ul style="list-style-type: none"> Part A of Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification Part B of Assessment Protocol GN 320 (March 2020): Compliance Statement (VH, H, M) or No Requirement (L)
Defence Assessment	CSIR	Lizande Kellerman	<ul style="list-style-type: none"> Part A of Assessment Protocol GN 320 (March 2020): Site Sensitivity Verification Part B of Assessment Protocol GN 320 (March 2020): Compliance Statement (VH, H, M) or No Requirement (L)

List of Specialist Studies being undertaken: Geotechnical

Motivation to exclude Geotechnical Assessment **DISCUSSION POINT

- Contractors and suppliers will only be selected and appointed after preferred bidder status is obtained (should it be granted).
- To ensure that all aspects are covered in the assessment, suppliers of sub-structures, inverters and transformers and civil sub-contractors are required to provide input into the scope of work of the Geotechnical Assessment.
- Therefore, Geotechnical Assessments can only be undertaken during detailed design, if preferred bidder status is obtained.

List of Specialist Studies being undertaken: RFI

- The Screening Tool specifies the need for a Radio Frequency Interference (RFI) study.
- The proposed WEFs and associated EGI is located outside of the Karoo Central Astronomy Advantage Area (KCAAA) and Square Kilometre Array (SKA).
- Therefore, it is motivated to exclude the need for a RFI assessment. ****DISCUSSION POINT**
- SKA / SARA0 will be consulted during the S&EIA Processes to motivate that an RFI Assessment is not required as the study area falls outside of the SKA and KCAAA.
- Further actions will be determined following response from the SKA / SARA0.
- Comments from the SKA / SARA0 will be requested during the S&EIA Processes.

PUBLIC PARTICIPATION, LISTED ACTIVITIES AND CUMULATIVE IMPACTS



Public Participation

- An Integrated Public Participation will be undertaken for Kaladokhwe WEFs 1-3 and the Kaladokhwe EGI.
- Compilation of an I&AP database to be updated throughout.
- The following letters will be **emailed** to all I&APs on the database, where email addresses are available.
 - **Letter 1 – Commencement of Scoping & EIA Processes, and release of the Draft Scoping Reports for public comment**
 - **Letter 2 – Submission of the Final Scoping Reports to CA for decision-making**
 - **Letter 3 – Decision on the Final Scoping Reports and commencement of EIA phase**
 - **Letter 4 – Release of the Draft EIA Reports for public comment**
 - **Letter 5 – Submission of the Final EIA Reports to CA for decision-making**
 - **Letter 6 – Decision on the Final EIA Reports and opportunity to appeal**
 - **Letter 7 – Outcome of appeal period**
- Executive Summary of the Draft Scoping Reports (DSRs) will be emailed to all I&APs, where email addresses are available.
- SMS Text messages (and/or WhatsApp text messages) will be sent to all I&APs where mobile numbers are available.
- The DSRs, Final Scoping Reports (FSRs) and Draft and Final EIA Reports (DEIARs and FEIARs, respectively) with all supporting documentation will be uploaded to the project website for I&APs to access it.
- As a supplementary mechanism, DSRs, FSRs, DEIARs and FEIARs will also be uploaded to other alternative web-platforms such as Google Drive.
- If an I&AP cannot access the reports, and if additional information is required (other than what is provided in the Executive Summary), the I&AP can contact the EAP, who will then make an electronic copy available via courier or post (where possible).

Public Participation

- Where possible, the ward councillors or similar community forum will be contacted to request that they send project notifications and report availability and executive summaries via their local networks (such as WhatsApp groups, Neighbourhood Watch groups, other social media mechanisms etc.).
- An advertisement in the English, Afrikaans and isiXhosa languages will be placed in a local/regional newspaper to announce the 30-day comment period informing the public of the proposed projects, invite I&APs to register on the project database, and to inform I&APs of the release of the DSRs for comment.
- An advertisement in the English, Afrikaans and isiXhosa languages will be placed in a local/regional newspaper to announce the 30-day comment period informing the public of the proposed projects, invite I&APs to register on the project database, and to inform I&APs of the release of the DEIARs for comment.
- Site notice boards will be placed at the entrance of the key affected farm portions on which the proposed projects will be constructed, and well-known retail or government facilities within the Inxuba Yethemba and Enoch Mgijima Local Municipalities (or similar).
- All reports, applications and required documentation will be submitted to DFFE via the S-Filer Novell System.

Listed Activities

- Any feedback based on pre-application meeting request form?

Cumulative Impact Assessment Approach

- Include **all Renewable Energy projects** within a **30 km radius** that **have received an EA at the time of starting the S&EIA processes (i.e., by August 2022)**, including the Kaladokhwe WEFs
- Information mainly obtained from the SA Renewable Energy EIA Application Database (REEA), Eskom and SAHRIS databases; as well as from specialists.

Proposed Schedule

Key Milestones	Proposed Timeframe
Project Initiation and Pre-Application Consultation with the DFFE	August – September 2022
Specialist Site Visits	November 2020 – March 2023
Specialist Assessments	May – June 2022
Submit Application Forms to DFFE for 3 x WEFs and 1 x grid connection	September 2022
Release Draft Scoping Report for 30-day commenting period	Early October 2022
Submit Final Scoping Report to DFFE for Decision-Making	Early November 2022
DFFE Decision-Making on the Final Scoping Report and issue of Decision (i.e. grant or refuse EA): 43 days	Early January 2023
Release Draft EIA Report for 30-day commenting period	Mid March – Mid April 2023
Submit Final EIA Report to DFFE for Decision-Making	Late April 2023
DFFE Decision-Making on the Final EIA Report and issue of Decision (i.e. grant or refuse EA): 107 days	Early August 2023
EAP to Notify I&APs of Decisions (14 days)	Within 14 days of EAs being issued

Thank You
Questions?



E. 3: Correspondence from the DFFE with Approval of the Pre-Application Meeting Presentation and Notes

Lizande Kellerman

From: Olivia Letlalo <OLetlalo@dffe.gov.za>
Sent: Friday, 14 October 2022 12:59
To: Lizande Kellerman
Cc: Mahlatse Shubane; Makhosi Yeni; Thembisile Hlatshwayo
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI
Attachments: Kaladokhwe WEFs DFFE Pre-application Meeting Notes_FINAL_v3.pdf

Dear Lizande,

Kindly find attached signed comments. Please send me the final copy once the Applicant has signed.

Regards
Olivia

From: Lizande Kellerman <LKellerman@csir.co.za>
Sent: Friday, 14 October 2022 12:48
To: Olivia Letlalo <OLetlalo@dffe.gov.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear Olivia,

I have double checked and the pdf version I sent you at 11h29 today does include all attendees as we've added them based on your comment – I have attached revised version 3 again for reference.

Best regards
Lizande

From: Olivia Letlalo <OLetlalo@dffe.gov.za>
Sent: Friday, 14 October 2022 12:36
To: Lizande Kellerman <LKellerman@csir.co.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear Lizande

In my previous comments on the minutes, I requested that you include all attendees in the minutes, however, I noticed that Kamogelo Mathetja, Ormar Nagi and Merna Ghaly are not included. Please indicate why not included.

Regards
Olivia

From: Lizande Kellerman <LKellerman@csir.co.za>
Sent: Friday, 14 October 2022 11:29
To: Olivia Letlalo <OLetlalo@dffe.gov.za>
Cc: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Good morning Olivia,

Again, thanks so much for the reviewed meeting notes. Please see attached the revised finalised notes.

Will you kindly please sign and date it from DFFE's side, and return it to us for inclusion in our Application for EAs?

Many thanks and best regards,
Lizande

From: Olivia Letlalo <OLetlalo@dffe.gov.za>
Sent: Friday, 14 October 2022 08:55
To: Lizande Kellerman <LKellerman@csir.co.za>
Cc: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Good morning

My apology of sending this late.

Kindly find attached with comments.

Regards
Olivia

From: Lizande Kellerman <LKellerman@csir.co.za>
Sent: Thursday, 13 October 2022 16:40
To: Olivia Letlalo <OLetlalo@dffe.gov.za>
Cc: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>; Suvasha Ramcharan <SRamcharan@csir.co.za>; Paul Lochner <PLochner@csir.co.za>; David Peinke <david@atlanticep.com>; Peter Smith <peter@atlanticep.com>; Amy Hill <amy@atlanticep.com>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Hi Olivia,

I hope you're well!

I'm just following up on the Department's comments on the meeting notes from our Pre-Application meeting held on 22 September 2022.

Would you be able to please send us your comments, if any, as soon as possible?

Thank you so much, your kind assistance in this regard is highly appreciated.

Best regards
Lizande



From: Olivia Letlalo <OLetlalo@dffe.gov.za>
Sent: Thursday, 06 October 2022 14:47
To: Lizande Kellerman <LKellerman@csir.co.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Well received, thanks. Comments will be provided soon.

From: Lizande Kellerman <LKellerman@csir.co.za>
Sent: Thursday, 06 October 2022 14:12
To: Olivia Letlalo <OLetlalo@dffe.gov.za>
Cc: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>; Suvasha Ramcharan <SRamcharan@csir.co.za>; Paul Lochner <PLochner@csir.co.za>; David Peinke <david@atlanticep.com>; Peter Smith <peter@atlanticep.com>; Amy Hill <amy@atlanticep.com>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear Olivia,

Thank you for your email. As requested, please find attached the Word version of the meeting notes for your review and comment.

We look forward to your feedback.

Best regards,
Lizande

From: Olivia Letlalo <OLetlalo@dffe.gov.za>
Sent: Thursday, 06 October 2022 13:40
To: Lizande Kellerman <LKellerman@csir.co.za>
Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear Lizande,

Kindly send a word document so that it becomes easy to provide comments.

Please copy all to receive the word document.

Regards
Olivia

From: Lizande Kellerman <LKellerman@csir.co.za>

Sent: Tuesday, 04 October 2022 16:43

To: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Olivia Letlalo <OLetlalo@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>

Cc: Suvasha Ramcharan <SRamcharan@csir.co.za>; Paul Lochner <PLochner@csir.co.za>; David Peinke <david@atlanticep.com>; Peter Smith <peter@atlanticep.com>; Amy Hill <amy@atlanticep.com>

Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear Colleagues,

Thank you very much for the insightful discussions and guidance at the pre-application meeting on 22 September 2022 for the Kaladokhwe Wind Energy Facilities and EGI projects.

Please see attached the notes of the meeting for review and approval by the Department. Please let us know should you require the meeting notes in MS Word to facilitate the review.

Please kindly let us know if you require any edits to the attached notes?

We have included a sign-off section at the end based on previous projects, however we are comfortable to remove it if you prefer.

The copy of the presentation was emailed on 21 September 2022.

Thank you and best regards,
Lizande



From: Suvasha Ramcharan

Sent: Wednesday, September 21, 2022 9:56 PM

To: Makhosi Yeni <MYeni@dffe.gov.za>; Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Olivia Letlalo <OLetlalo@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>; Lizande Kellerman <LKellerman@csir.co.za>; Peter Smith <peter@atlanticep.com>; David Peinke <david@atlanticep.com>; Paul Lochner <PLochner@csir.co.za>

Subject: RE: 2022-09-0016 - Pre-application meeting for the Kaladokhwe WEFs 1-3 and EGI

Dear All,

Please find attached a presentation to guide the discussion during the Pre-Application Meeting for the Kaladokhwe WEF and EGI projects (2022-09-0016) on 22 September 2022.

DRAFT SCOPING REPORT: Scoping and Environmental Impact Assessment for the proposed development of the 240 MW Kaladokhwe Wind Energy Facility 2, near Nxuba (previously Cradock) in the Eastern Cape

Kind regards,
Suvasha

From: Suvasha Ramcharan
Sent: Friday, September 16, 2022 12:21 PM
To: Makhosi Yeni <MYeni@dffe.gov.za>
Cc: Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Olivia Letlalo <OLetlalo@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>; Lizande Kellerman <LKellerman@csir.co.za>; Peter Smith <peter@atlanticep.com>; David Peinke <david@atlanticep.com>; Paul Lochner <PLochner@csir.co.za>
Subject: RE: 2022-09-0016

Dear Makhosazane,

Thank you for confirming a date and time for the pre-application meeting to discuss the Kaladokhwe WEF and EGI projects. I will send a Microsoft Teams invitation shortly.

We look forward to the discussion.

Kind regards,
Suvasha

From: Makhosi Yeni <MYeni@dffe.gov.za>
Sent: Friday, September 16, 2022 9:53 AM
To: Suvasha Ramcharan <SRamcharan@csir.co.za>
Cc: Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Olivia Letlalo <OLetlalo@dffe.gov.za>; Portia Makitla <PMakitla@dffe.gov.za>; Seoka Lekota <SLEKOTA@dffe.gov.za>; Mashudu Mudau <MaMudau@dffe.gov.za>; MMatlala Rabothata <MRABOTHATA@dffe.gov.za>; Thembisile Hlatshwayo <THLATSHWAYO@dffe.gov.za>
Subject: RE: 2022-09-0016

You don't often get email from myeni@dffe.gov.za. [Learn why this is important](#)

Please send a Microsoft Teams invitation to all colleagues copied on this email for the pre-application meeting to be held on Thursday, the 22 September 2022 starting from 10h00am till 11h30am.

Regards
Makhosazane Yeni

*Department of Forestry, Fisheries and Environment
Environmental House
473 Steve Biko Road
Arcadia, 0083
Pretoria
Tel: 012 -399 9400
Cell: 072 7591825*

From: EIA Applications <EIAApplications@dffe.gov.za>
Sent: Wednesday, 14 September 2022 12:05
To: Makhosi Yeni <MYeni@dffe.gov.za>
Cc: Mahlatse Shubane <MSHUBANE@dffe.gov.za>; Olivia Letlalo <OLetlalo@dffe.gov.za>; Suvasha Ramcharan <SRamcharan@csir.co.za>
Subject: 2022-09-0016

Dear Makhosi.

Please note that you have been allocated an application:

Type of Application: Pre-Application Meeting Request;
Reference Number: 2022-09-0016;
Date Received: 13/09/2022;
Action Required: Decide on meeting request.

Kindly let Ephron know which date the meeting is to be held, if it will be set

EIA Applications
Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment

Please note that this email is for the receipt and processing of online applications only, and is not monitored for responses. All queries must be directed to EIAAdmin@dffe.gov.za.

You are advised that this mailbox has a 48 hour response time.

Please note that this mailbox has a 5mb mail limit. No zip files are to be attached in any email.

From: Suvasha Ramcharan <SRamcharan@csir.co.za>
Sent: Tuesday, 13 September 2022 15:22
To: EIA Applications <EIAApplications@dffe.gov.za>
Cc: Paul Lochner <PLochner@csir.co.za>; Lizande Kellerman <LKellerman@csir.co.za>; Peter Smith <peter@atlanticep.com>; David Peinke <david@atlanticep.com>
Subject: Request for a Pre-Application Meeting for 4 x S&EIA Processes, near Cradock, Eastern Cape

Good afternoon,

Please find attached a request for a pre-application meeting, completed on the pre-application meeting request form obtained from the Department of Forestry, Fisheries and the Environment (DFFE) website in July 2022.

The meeting is requested to discuss the Scoping and EIA Assessment (S&EIA) Processes required for the following projects:

- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Cradock in the Eastern Cape Province.
- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Cradock in the Eastern Cape Province.

- Scoping and Environmental Impact Assessment for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Cradock in the Eastern Cape Province.
- Scoping and Environmental Impact Assessment for the proposed development of the Electrical Grid Infrastructure (EGI) in support of the proposed Kaladokhwe WEFs 1-3, near Cradock in the Eastern Cape Province.

Note that all 4 of the above-mentioned projects will be discussed in one pre-application meeting to enhance efficiency. The proposed projects have similar technical components, will take place in the same region, will be located on adjoining farm properties, and will connect to the same newly proposed Main Transmission Substation. The DFFE is kindly requested to invite and include all assigned case officers at the pre-application meeting.

Please also find attached the document control form as requested. Also note that this request for the pre-application meeting is being submitted via email, as per the instructions provided. Hence some of the information in the checklist relating to uploading documents on the Novell Filr is not applicable.

Please will you kindly confirm receipt of the attached documents and this email.

Thank you in advance for your consideration and kind assistance in this regard. We look forward to your response.

Best regards,



Suvasha Ramchara
MSc Environmental Science
Environmental Scientist Intern

Cell: +27612262668
Email: sramcharan@csir.co.za
www.csir.co.za

PROPOSED DEVELOPMENT OF THREE WIND ENERGY FACILITIES, AND ITS ASSOCIATED ELECTRICAL GRID INFRASTRUCTURE, NEAR NXUBA (PREVIOUSLY CRADOCK) IN THE EASTERN CAPE PROVINCE

PRE-APPLICATION MEETING WITH THE DEPARTMENT OF FORESTRY, FISHERIES, AND THE ENVIRONMENT (DFFE)

PRE-APPLICATION REFERENCE NUMBER: 2022-09-0016

MEETING NOTES

Version 1 for Internal Review: 28 September 2022

Version 2 for External Review: 30 September 2022

Version 3: 14 October 2022

Meeting:	Pre-application Meeting – Meeting Notes
Date of Meeting:	22 September 2022
Meeting Platform:	Microsoft Teams
Duration:	10H00 – 11H30
Present from the CSIR:	Lizande Kelleman (LK) [Chair], Suvasha Ramcharan (SR)
Present from Atlantic Renewable Energy Partners (Pty) Ltd (AEP):	Peter Smith (PS), David Peinke (DP)
Present from Infinity Power (Pty) Ltd:	Omar Nagi (ON), Merna Ghaly (MG)
Present from the DFFE:	Makhosi Yeni (MY), Mahlatse Shubane (MS), Olivia Letlalo (OL), Portia Makitla (PM), Seoka Lekota (SL), Mashudu Mudau (MM), MMatlala Rabothata (MR), Thembisile Hlatshwayo (TH), Kamogelo Mathetja (KM)
Apologies:	Paul Lochner (CSIR)

1. Purpose of Meeting and Agenda

A pre-application meeting was held between the National Department of Forestry, Fisheries and the Environment (DFFE), Atlantic Renewable Energy Partners (Pty) Ltd and the Council for Scientific and Industrial Research (CSIR) on 22 September 2022 to discuss the Scoping and Environmental Impact Assessment (S&EIA) Processes for the proposed development of three Wind Energy Facilities (WEF), and its associated electrical grid infrastructure, near Nxuba (Cradock) in the Eastern Cape Province. A copy of the PowerPoint presentation shared during the meeting is included in Appendix 1 to these notes.

The meeting was chaired by LK. The meeting took place according to the agenda below:

Meeting Notes from DFFE Pre-Application Meeting for the Scoping and Environmental Impact Assessments for the proposed development of proposed 3 x Kaladokhwe Wind Energy Facilities and its associated Electrical Grid Infrastructure, near Nxuba (Cradock) in the Eastern Cape Province

Item	Description	Presenter
1	Welcome, Introduction and Outline of Meeting Proceedings	CSIR and DFFE
2	<p>Overview of the proposed projects:</p> <ul style="list-style-type: none"> • S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 1), near Nxuba, Eastern Cape. • S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 2), near Nxuba, Eastern Cape. • S&EIA for the proposed development of a 240 MW Wind Energy Facility (WEF) (i.e., Kaladokhwe WEF 3), near Nxuba, Eastern Cape. • S&EIA for the proposed development of the Kaladokhwe Electrical Grid Infrastructure (EGI), near Nxuba, Eastern Cape. 	CSIR and AEP
3	Discussion of National Screening Tool findings and confirmation of the required specialist assessments to be undertaken as part of the S&EIA Processes, including confirmation of the specialist studies that will be motivated against being undertaken during the S&EIA Processes.	CSIR and AEP
4	Discussion and confirmation of the integrated public participation process that will be undertaken in compliance with the 2014 NEMA EIA Regulations (as amended).	CSIR and AEP
5	Discussion and confirmation of the proposed schedule and overall process for the S&EIA Processes, including applicable Listed Activities and Cumulative Impact Assessment Approach (i.e., assess cumulative impacts based on a 30 km buffer and based on Renewable Energy projects with a positive EA issued at the start of this S&EIA (i.e., August 2022)).	CSIR and AEP
6	Questions	CSIR and AEP
7	Way Forward and Closure	DFFE

2. Presentation: Project Description; Screening Tool Findings and Specialist Studies; Public Participation, Listed Activities and Cumulative Impacts; and Proposed Schedule.

AGENDA ITEM	DISCUSSION AND ACTION
Welcome, Introductions and Outline of Meeting Proceedings	LK welcomed all and all attendees introduced themselves. LK confirmed the agenda items for discussion.
Description of the three proposed Kaladokhwe Wind Energy Facilities and its associated infrastructure.	i. LK described the background context of the Kaladokhwe Wind Energy Facilities (WEF) and its associated Electrical Grid Infrastructure (EGI), and confirmed that none of the three proposed WEF projects and its associated EGI do not fall within a Renewable Energy Development Zone (REDZ) or a strategic power corridor. Therefore, separate Scoping

Meeting Notes from DFFE Pre-Application Meeting for the Scoping and Environmental Impact Assessments for the proposed development of proposed 3 x Kaladokhwe Wind Energy Facilities and its associated Electrical Grid Infrastructure, near Nxuba (Cradock) in the Eastern Cape Province

AGENDA ITEM	DISCUSSION AND ACTION
	<p>and Environmental Impact Assessment (S&EIA) Processes will be undertaken for the proposed projects with National DFFE being the Competent Authority and a decision-making timeframe of 107 days.</p> <ul style="list-style-type: none"> ii. LK described the locations of the proposed Kaladokhwe WEF 1, Kaladokhwe WEF 2 and Kaladokhwe WEF 3 (locality map included on Slide 5 of the presentation). iii. LK described the location of the proposed grid connection and assessment corridor (locality map included on Slide 8 of the presentation). iv. OL inquired if there is only one EGI corridor or if there are any alternatives that will be considered. <ul style="list-style-type: none"> - DP mentioned that the proposed EGI corridor routing has been specifically guided by servitude negotiations with the landowners and that the entire route was negotiated and signed.
<p>Discussion of National Screening Tool findings and confirmation of the required specialist assessments to be undertaken as part of the S&EIA Processes, including confirmation of the specialist studies that will be motivated against being undertaken during the S&EIA Processes.</p>	<ul style="list-style-type: none"> i. LK described the specialist studies being undertaken as part of the S& EIA Processes in terms of the relevant applicable Environmental Assessment Protocols and the 2014 NEMA EIA Regulations (as amended). ii. LK motivated for the exclusion of needing to undertake a Geotechnical Assessment for the proposed projects during the S&EIA Processes, as is required in the National Screening Tool Reports for these proposed projects. iii. LK motivated for the exclusion of needing to undertake a Radio Frequency Interference (RFI) Assessment during the S&EIA Processes. iv. MS however suggested that the Geotechnical Assessment be undertaken as part of the EIA Phase as the assessment could help to inform the turbine layouts on site, and it would also assist in DFFE's decision-making process. v. DP confirmed that a Geotechnical Assessment will be undertaken during the EIA Phase to inform the project infrastructure layouts. vi. LK confirmed that SARAO and the SKA will be consulted during the S&EIA Processes to confirm that the proposed projects are located outside of the Karoo Central Astronomy Advantage Area (KCAAA) and Square Kilometre Array (SKA). Evidence of such correspondence will be included as part of the public participation process.
<p>Discussion and confirmation of the integrated public participation process that will be undertaken in compliance with the NEMA and the 2014</p>	<ul style="list-style-type: none"> i. LK presented the integrated Public Participation approach. <ul style="list-style-type: none"> - OL advised that all interested and/or affected parties (I&APs) should be consulted. - LK confirmed that all key stakeholders and registered I&APs will be included on the project stakeholder database and will be informed about progress on the proposed projects.

Meeting Notes from DFFE Pre-Application Meeting for the Scoping and Environmental Impact Assessments for the proposed development of proposed 3 x Kaladokhwe Wind Energy Facilities and its associated Electrical Grid Infrastructure, near Nxuba (Cradock) in the Eastern Cape Province

AGENDA ITEM	DISCUSSION AND ACTION
NEMA EIA Regulations (as amended).	<ul style="list-style-type: none"> - LK confirmed that consultation with I&APs will mainly be undertaken in the English language, and where needed, also in Afrikaans and isiXhosa, such as the site notices and newspaper advertisements.
Discussion and confirmation of the proposed schedule and overall process for the S&EIA Processes, including applicable Listed Activities and Cumulative Impact Assessment Approach	<ol style="list-style-type: none"> i. LK inquired if there were any comments from the DFFE regarding the Listed Activities that were included in the pre-application meeting request form. <ul style="list-style-type: none"> - At this time DFFE had no additional comments regarding the addition/removal of Listed Activities as per the pre-application meeting request form that was submitted to DFFE on 13 September 2022. ii. OL advised that for the Cumulative Impact Assessment, projects that are still in the proposal stage should also be considered. <ul style="list-style-type: none"> - LK confirmed that renewable energy projects within a 30 km radius from the proposed Kaladokhwe WEF project cluster, which have received EA as well as those projects that currently have an BA/EIA Process underway, will be included in the Cumulative Impact Assessment.
Questions and Discussion	<ol style="list-style-type: none"> i. OL noted that the Generic Environmental Management Programme (EMPr) for the powerlines and the substations needs to be submitted along with the project-specific EMPr i.e., any project-specific aspects not covered by the generic EMPr, should be covered under Part C of the generic EMPr. ii. LK further noted and confirmed that the EMPr for each WEF project (i.e., Generic EMPr for Substations, Generic EMPr for Powerlines and Project-Specific EMPr covering other project-related aspects not covered in the Generic EMPrs) will be included in the Draft EIA Reports for comment during the EIA Phase. iii. MS inquired if there will only be one substation for all three WEFs or one substation for each WEF. <ul style="list-style-type: none"> - LK confirmed that each WEF will have its own substation hub and that a collector station will be located on Kaladokhwe WEF 1 where the electricity will be evacuated into the 132 kV overhead transmission powerline that will extend to the two existing Hydra and Poseidon 400 kV overhead transmission powerlines, where a newly proposed 132 kV / 400 kV Main Transmission Substation (MTS) will be constructed. The two existing 400 kV powerlines will then link into the proposed MTS via a 400 kV loop-in-loop out (LILO) connection. iv. SL mentioned that the preliminary positions of the turbines and pylons on the updated sensitivity map should be clear

Meeting Notes from DFFE Pre-Application Meeting for the Scoping and Environmental Impact Assessments for the proposed development of proposed 3 x Kaladokhwe Wind Energy Facilities and its associated Electrical Grid Infrastructure, near Nxuba (Cradock) in the Eastern Cape Province

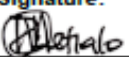


AGENDA ITEM	DISCUSSION AND ACTION
	<p>and detailed so that the DFFE can advise on the positions of the turbines as well as possible new locations.</p> <ul style="list-style-type: none"> - PM mentioned that the sensitivity map should also include the alternative routes, if any, as well as the WEF site and layout alternatives. - LK confirmed that in each Scoping Report, there will be a detailed map of each WEF project site and its indicative infrastructure layout. - For the powerline corridor, LK noted that the entire powerline corridor (300 m wide to be assessed by the specialist team) including the indicative powerline routing within the assessment corridor will be shown to inform the sensitivity maps. - PS stated that the assessment corridor for the powerline routing on each of the WEF project sites should also be 300 m wide. - LK noted and confirmed that the S&EIA Reports for each of the proposed WEF projects will specifically focus on the WEF and its associated infrastructure whereas the EGI component of the proposed Kaladokhwe WEF project cluster will be assessed and discussed in a separate Application for EA and be subjected to a separate Scoping and EIA Process.

3. Way Forward and Closure

- LK noted that the CSIR will prepare and share notes from the discussions with all meeting attendees for their review, comment and approval.

The meeting was closed at 11H30 and the DFFE were thanked for their inputs and comments.

4. Approval of Meeting Notes

DFFE	CSIR	Atlantic Renewable Energy Partners Pty (Ltd)
<p>Signature:  _____</p> <p>Name: Olivia Letlalo _____</p> <p>Date: 14/10/2022 _____</p>	<p>Signature:  _____</p> <p>Name: Lizande Kellerman _____</p> <p>Date: 14/10/2022 _____</p>	<p>Signature:  _____</p> <p>Name: Peter Smith _____</p> <p>Date: 14/10/2022 _____</p>