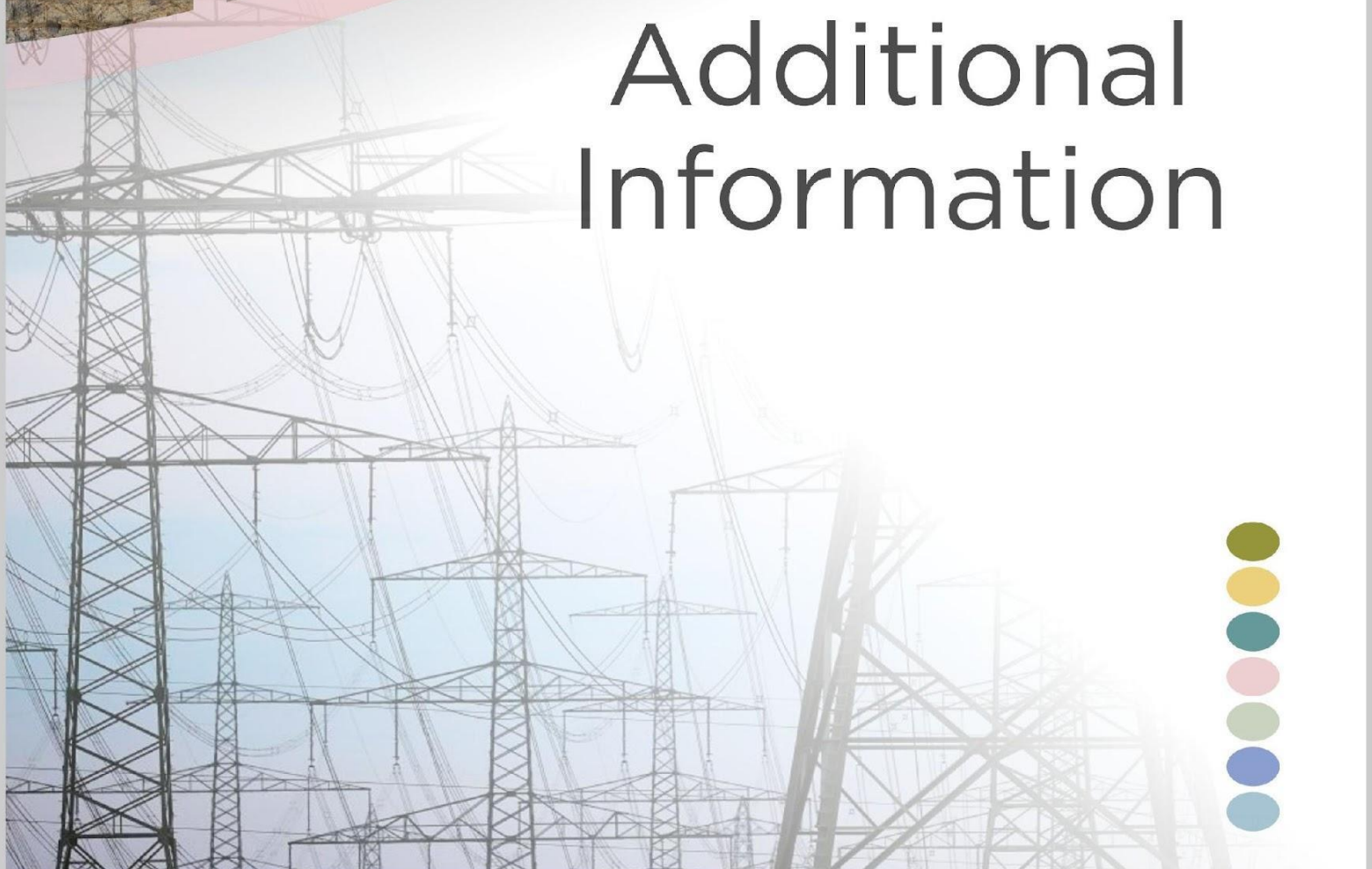


DRAFT BASIC ASSESSMENT REPORT

# APPENDIX H



## Additional Information



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## H. 1: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED KWAGGA WIND ENERGY FACILITY 1 (DFFE REF: 14-12-16-3-3-2-2070)

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**forestry, fisheries  
& the environment**  
Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447- PRETORIA -0601- Environment House -475 Steve Biko Road, Arcadia- PRETORIA

DFFE Reference: 14/12/16/3/3/2/2070  
Enquiries: Ms Constance Muzemba  
Telephone: (012) 369 9416 E-mail: [C.Muzemba@dffe.gov.za](mailto:C.Muzemba@dffe.gov.za)

Mr Robert Invernizzi  
Kwagga Wind Energy Facility 1 (Pty) Ltd  
Unit B1, Mayfair Square  
Century Way  
Century City  
CAPE TOWN  
7441

Tel: (021) 276 3620  
Cell: (073) 265 8575  
E-mail: [Rob.Invernizzi@abo-wind.com](mailto:Rob.Invernizzi@abo-wind.com)

PER EMAIL / MAIL

Dear Mr Invernizzi

**ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: PROPOSED DEVELOPMENT OF THE 279 MW KWAGGA WIND ENERGY FACILITY 1 (KWAGGA WEF 1), NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE.**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

*Mt*

Chief Directorate: Integrated Environmental Authorisations

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

Appeals must be submitted in writing in the prescribed form to:

The Director, Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za)

By hand: Environment House  
473 Steve Biko Road  
Arcadia  
PRETORIA  
0083 or

By post: Private Bag X447  
PRETORIA  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation, or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms/legal\\_authorisations](https://www.environment.gov.za/documents/forms/legal_authorisations) or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za).

Yours faithfully



Mr Sabelo Mafaza  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment  
Date: 09/04/2022

|     |                     |   |   |
|-----|---------------------|---|---|
| cc: | Ms Lizette Kallman  | Council for Scientific and Industrial Research (CSIR) | Email: <a href="mailto:L.Kallman@csir.co.za">L.Kallman@csir.co.za</a>                     |
|     | Mr Gavin Benjamin   | DEA&DP  | Email: <a href="mailto:gavin.benjamin@dffe.gov.za">gavin.benjamin@dffe.gov.za</a>         |
|     | Ms Anneleen Vorster | Prince Albert Local Municipality                      | Email: <a href="mailto:anneleen@paamun.gov.za">anneleen@paamun.gov.za</a>                 |
|     | Ms Yuyokazi Rufaro  | Beaufort West Local Municipality                      | Email: <a href="mailto:yuyokazi@beaufortwestmun.co.za">yuyokazi@beaufortwestmun.co.za</a> |



## Environmental Authorisation

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

**DEVELOPMENT OF THE 279 MW KWAGGA WIND ENERGY FACILITY 1 (KWAGGA WEF 1), NEAR  
BEAUFORT WEST, WESTERN CAPE PROVINCE.**

**CENTRAL KAROO DISTRICT MUNICIPALITY**

|                                       |   |
|---------------------------------------|---|
| <b>Authorisation register number:</b> | <i>14/12/16/33/2/2070</i>   |
| <b>Last amended:</b>                  | <i>First issue</i>  |
| <b>Holder of authorisation:</b>       | <i>Kwagga Wind Energy Facility 1 (PTY) Ltd</i>  |
| <b>Location of activity:</b>          | <i>Within Ward 7 of Beaufort West Local Municipality and Ward 2 of Prince Albert Local Municipality in the Western Cape Province.</i> |

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Department of Forestry, Fisheries and the Environment  
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## Decision

The Department is satisfied, based on information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

### **KWAGGA WIND ENERGY FACILITY 1 (PTY) LTD**

(hereafter referred to as the holder of the authorisation)

with the following contact details –

Robert Invernizzi  
Kwagga Wind Energy Facility 1 (PTY) Ltd  
Unit B1, Mayfair Square,  
Century Way,  
Century City,  
**CAPE TOWN**  
7441

Department of Forestry, Fisheries and the Environment  
 Environmental Authorisation Reg. No. 14/1218/3/3/20070

Tel: (021) 278 3820

Cell: (073) 265 8575

E-mail: [Rob.Invernizzi@abo-wind.com](mailto:Rob.Invernizzi@abo-wind.com)

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

| Activity number  | Activity description  |
|--|---|
| <p><u>Listing Notice 1, Item 11:</u><br/>                     The development of facilities or infrastructure for the transmission and distribution of electricity-<br/>                     (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;</p>  | <p>The proposed project will entail the construction of two 33kV/132kV on-site substation hubs incorporating the facility substation, switchyard, collector infrastructure and associated Operation and Maintenance (O&amp;M) buildings. The proposed project will be constructed on various farm portions approximately 60km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province and is therefore situated outside of the urban edge.</p>  |
| <p><u>Listing Notice 1, Item 12:</u><br/>                     The development of:<br/>                     (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs<br/>                     a) within a watercourse;<br/>                     b) in front of a development setback; or<br/>                     c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> | <p>The proposed project will entail the construction of the Wind Energy Facility (WEF) and associated infrastructure such as wind turbines and hardstands, offices, O&amp;M building, workshop, ablution facilities, on-site substation hub and collector station, laydown area, water storage tanks, security enclosures and access roads etc. Based on the aquatic and terrestrial biodiversity specialists input provided for the Scoping Phase, several watercourses such as drainage lines with associated riverine areas were identified on site. The buildings and infrastructure are expected to exceed a footprint of 100m<sup>2</sup> with some infrastructure or structures potentially occurring within a watercourse (e.g. drainage line) or within 32m from the edge of watercourses.</p> |

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|  |  |
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| <p><u>Listing Notice 1, Item 19:</u><br/>                 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<br/>                 (i) a watercourse;</p> | <p>The proposed project will entail the excavation, removal and moving of more than 10m<sup>3</sup> of soil, sand, pebbles or rock from nearby watercourses on site. The proposed project also entails the infilling of more than 10m<sup>3</sup> of material into the nearby watercourses including the Swartbakens River, some of its associated tributaries and several drainage lines.</p>   |
| <p><u>Listing Notice 1, Item 24:</u><br/>                 The development of a road –<br/>                 (i) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</p>  | <p>The key route providing access to the proposed project is the N12 main road that runs along the proposed project site to the west. The proposed Kwagga WEF 1 will be accessible from the N12 via an existing gravel farm road running through the proposed project site in a west-east direction, as well as from the R308 Rietbron bound public access gravel road situated to the south of the proposed project site. The width of both these existing access gravel roads will be widened to a maximum width of 10m without a road reserve, where necessary. Also, a new access road with a maximum width of 10m will be constructed to facilitate the connection between the project site and the existing R308 Rietbron bound public access gravel road located to the south. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m, where necessary, additional internal service roads are to be constructed on the project site of which the width will not exceed 10m. The length of the internal service road network for the proposed Kwagga WEF 1 is approximately 45km.</p> |



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|---|--|
| <p><u>Listing Notice 1, Item 28:</u><br/><i>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:</i><br/><i>(i) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</i></p> | <p>The land earmarked for the development of the proposed Kwagga WEF 1 is currently used for agricultural purposes (mainly low intensive livestock farming). The proposed project which is a commercial / industrial development will have a development footprint of approximately 250ha.</p>   |
| <p><u>Listing Notice 1, Item 58:</u><br/><i>The widening of a road by more than 8 metres, or the lengthening of a road by more than 1 kilometre-</i><br/><i>(i) where the existing reserve is wider than 13,5 meters; or</i><br/><i>(ii) where no reserve exists, where the existing road is wider than 8 metres;</i></p>   | <p>The key route providing access to the proposed project is the N12 main road that runs along the proposed project site to the west. The proposed Kwagga WEF 1 will be accessible from the N12 via an existing gravel farm road running through the proposed project site in a west-east direction, as well as from the R308 Rietbron bound public access gravel road situated to the south of the proposed project site. The width of both these existing access gravel roads will be widened to a maximum width of 10m without a road reserve, where necessary. Also, a new access road with a maximum width of 10m will be constructed to facilitate the connection between the project site and the existing R308 Rietbron bound public access gravel road located to the south. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m, where necessary, additional internal service roads are to be constructed on the project site of which the width will not exceed 10 m. The length of the internal service road network for the proposed Kwagga WEF 1 is approximately 45 km.</p> |

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| <p><u>Listing Notice 2, Item 1:</u><br/>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 PV installations and occurs<br/>(a) within an urban area or;<br/>(b) on existing infrastructure.</p> | <p>The proposed project will entail the construction of a WEF with a maximum generation capacity of 278MW i.e. a facility to be developed for the generation of electricity from a renewable wind resource.</p>  |
| <p><u>Listing Notice 2, Item 15</u><br/>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for:<br/>(i) the undertaking of a linear activity; or<br/>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>   | <p>The proposed WEF project will have a total estimated development footprint of approximately 250ha. As a result, more than 20ha of indigenous vegetation would be removed for the construction of the proposed project.</p>  |
| <p><u>Listing Notice 3, Item 4:</u><br/>The development of a road wider than 4 meters with a reserve less than 13.5 meters.<br/>i. Western Cape<br/>ii. Areas outside urban areas;<br/>(aa) Areas containing indigenous vegetation;</p>  | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging between 6m and 8m and will be increased to a maximum width of 10m. Also, a new access road connecting the proposed Kwagga WEF 1 project with the existing public access gravel road running to the south of the site will be constructed that will have a maximum width of 10m. The planned internal road network extends approximately 45km for the proposed Kwagga WEF 1 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation.</p> |
| <p><u>Listing Notice 3, Item 10:</u><br/>The development and related operation of facilities or</p>  | <p>The construction and operational phases of the proposed WEF project will require infrastructure for the storage and handling of dangerous goods of more than 30m<sup>3</sup> but not exceeding 80m<sup>3</sup>, and which will include flammable and</p>  |

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| <p>infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres –</p> <p>i. Western Cape<br/>ii. All areas outside urban areas</p>   | <p>combustible liquids such as chemicals, fuel, oils, lubricants and solvents.</p>   |
| <p><u>Listing Notice 3, Item 12:</u><br/>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>i. Western Cape<br/>ii. Within critical biodiversity areas identified in bioregional plans;</p>   | <p>The proposed WEF project will have an estimated development footprint of approximately 250ha. As a result, more than 300m<sup>2</sup> of indigenous vegetation would be removed for the construction of the proposed WEF and its associated infrastructure. The proposed project site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017).</p>  |
| <p><u>Listing Notice 3, Item 14:</u><br/>The development of –<br/>(i) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs –<br/>(a) within a watercourse;<br/>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>i. Western Cape<br/>i. Outside urban areas:<br/>(bb) National Protected Area Expansion Strategy<br/>Focus areas;<br/>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic</p> | <p>The proposed WEF project will be constructed on various farm portions, located approximately 60km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province. Hence, development of the proposed project will take place outside of an urban area. The proposed project will entail the construction of the WEF and associated infrastructure within 32m of several watercourses such as drainage lines with associated riverine areas. The proposed project site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017). In addition, portions of the proposed project site include areas, which are identified as part of the NPAES Lower Karoo Focus Area.</p> |

Department of Forestry, Fisheries and the Environment  
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|   |   |
|---|---|
| <p><i>biodiversity plans adopted by the competent authority or in bioregional plans</i></p>   |   |
| <p><u>Listing Notice 3, Item 1B:</u><br/> <i>The widening of a road by more than four (4) meters,<br/> or the lengthening of a road by more than one (1) kilometre:</i><br/> <i>I. Western Cape</i><br/> <i>II. All areas outside urban areas:</i><br/> <i>(aa) Areas containing indigenous vegetation;</i></p> | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging between 6m and 8m, and will be increased to a maximum width of 10 m. However, a new access road connecting the proposed Kwagga WEF 1 project with the existing Rietbron bound public access gravel road running to the south of the site will be constructed that will have a maximum width of 10m. Also, existing farm roads/jeep tracks that will form part of the internal service road network will be upgraded to a maximum width of 10m. The planned internal service road network extends approximately 46km for the proposed Kwagga WEF 1 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation.</p> |

as described in the Environmental Impact Assessment Report (EIAR) dated December 2021 at:

Coordinates and SG21

| Kwagga WEF 1 affected farm portion name        | SG 21 Digit Code      | Centre Coordinates of Farm Portion |                    |
|--|-----------------------|------------------------------------|--------------------|
|  |                       | Latitude                           | Longitude          |
| Portion 3 of the Farm Tyger Poort No. 376      | C00900000000037600003 | 32° 55' 0.1488" S                  | 22° 41' 28.6728" E |
| Portion 1 of the Farm Dwaalfontein Wee No. 377 | C00900000000037700001 | 32° 53' 29.1688" S                 | 22° 37' 9.5124" E  |
| Remainder of the Farm Dwaalfontein Wee No. 377 | C00900000000037700000 | 32° 53' 55.1268" S                 | 22° 38' 32.1" E    |
| Remainder of the Farm Dwaalfontein No. 379     | C00900000000037900000 | 32° 53' 49.7328" S                 | 22° 41' 8.6064" E  |

DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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| Access Road to the Kwagga WEF 1          | SG 21 Digit Code     | Centre Coordinates of Farm Portion |                   |
|--|----------------------|------------------------------------|-------------------|
|  |                      | Latitude                           | Longitude         |
| Remainder of the Farm Wolwe Kraal No. 17 | C0810000000001700000 | 32° 58' 58.472" S                  | 22° 42' 8.288" E  |
| Portion 7 of the Farm Wolwe Kraal No.17  | C0810000000001700007 | 32° 58' 42.348" S                  | 22° 42' 8.244" E  |
| Portion 8 of the Farm Wolwe Kraal No.17  | C0810000000001700008 | 32° 58' 35.288" S                  | 22° 43' 45.012" E |
| Portion 10 of the Farm Wolwe Kraal No.17 | C0810000000001700010 | 32° 58' 17.288" S                  | 22° 42' 19.908" E |
| Portion 11 of the Farm Wolwe Kraal No.17 | C0810000000001700011 | 32° 58' 1.2" S                     | 22° 40' 26.616" E |
| Portion 12 of the Farm Wolwe Kraal No.17 | C0810000000001700012 | 32° 57' 52.308" S                  | 22° 38' 32.568" E |

- for the proposed development of the 279 MW Kwagga Wind Energy Facility 1 (Kwagga WEF 1), within Portion 3 of the Farm Tyger Poort No. 376, Portion 1 of the Farm Dwaalfontein Wes No. 377, Remainder of the Farm Dwaalfontein Wes No. 377 and Remainder of the Farm Dwaalfontein No. 379 of Ward 7 of the Beaufort West Local Municipality and Ward 2 of the Prince Albert Local Municipality, Western Cape Province, hereafter referred to as "the property".

The proposed development entails the construction of wind turbines to generate 279 MW electricity. The Wind Energy Facility (WEF) will also make use of a range of associated infrastructure, including a 33kV/132kV on-site substation hub incorporating the facility substation, switchyard, collector infrastructure and associated Operation and Maintenance (O&M) buildings. It is proposed that a 132kV overhead transmission line, which will be constructed for the proposed Kwagga WEFs at a later stage, will extend between the proposed on-site substation hub at the Kwagga WEF 1 and the existing Droërivier-Prodeus 400kV line that runs parallel to the N12 in a north-south direction and connects Beaufort West with the George/Mossel Bay area further south.

Project components will entail the following:

| Infrastructure                          | Description         |
|---|---------------------|
| Number of turbines:                     | 45                  |
| Turbine Capacity:                       | Up to 10MW          |
| Hub height                              | Up to 180m          |
| Rotor (blade) diameter                  | Up to 200m          |
| Blade length                            | Up to 100m          |
| WEF Project Size / Generation Capacity: | Approximately 279MW |

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|   |  |
|---|--|
| On-site substation hub:   | The proposed project will include one on-site substation hub incorporating the facility substation, switchyard, collector infrastructure, BESS and associated O&M buildings.   |
| Area of on-site substation hub alternatives                                   | Alternative 4 (Preferred) approximately 5.21ha.  |
| Height of substation hub:   | Maximum 10m  |
| Capacity of on-site substation:   | 33/132kV   |
| Area occupied by construction compound and lay down area:                     | Size = Six (6) ha (i.e. 300m x 200m)   |
| Internal service roads:   | There are several existing gravel farm roads (some just jeep tracks) with widths ranging between 4m and 8m located around and within the proposed Kwagga WEF 1 project site boundary. The width of the existing internal service roads will be extended to a maximum width of 10m, where necessary. The length of the internal service road network for the proposed Kwagga WEF 1 is approximately 45km. |
| Concrete batching plant:  | 60m x 50m (on-site batching) (0.25 ha)   |
| Operational and Maintenance (O&M) Building:                                   | 1ha  |
| General temporary Hardstand Area (boom erection, storage, and assembly area): | 1ha  |
| Battery Energy Storage System (BESS):   | The BESS will cover an area of approximately five (5) ha, have a maximum height of 8m (as recommended) and have a storage capacity of up to 500 MWh/500 MWh. The BESS Technology will be Lithium Ion, NiCd, NiMH-based Batteries   |
| Site Access:  | The proposed Kwagga WEF 1 project site can be accessed via the N12 main road, which is situated to the west of the site, via the R308  |

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|                                      |  |
|--------------------------------------|--|
|                                      | <p>Rietbron bound public access gravel road that is located to the south of the site. The N12 is a surfaced national road that connects Beaufort West and the N1 main road in the north with Klarens, De Rust, Oudshoorn and other Garden Route towns to the south. The R308 Rietbron bound public access road is a well-maintained gravel road with widths ranging between 6m and 8m and will be widened to a maximum width of 10m, where necessary. A new access road, which will serve as the main access point to the Kwagga WEF 1 with a maximum width of 10m will be constructed to facilitate the connection between the Kwagga WEF 1 project site, across the Kwagga WEF 2 site, and the existing R308 Rietbron bound public access gravel road located to the south. The affected farm portions that were assessed for purposes of this access road are:</p> <ul style="list-style-type: none"> <li>• Wolve Kraal 17 / RE, 7, 8, 10, 11 and 12</li> </ul> |
| <p>Proximity to grid connection:</p> | <p>Eskom's Droërivier Substation is ideally located within the Central Strategic Transmission Corridors (as gazetted on 16 February 2018, GN R113) and approximately 55km north of the proposed Kwagga WEF 1. It is proposed that a 132kV overhead transmission line, which will be constructed for the proposed Kwagga WEF 1 at a later stage (and not part of this application), will extend between the proposed on-site collector substation at the Kwagga WEF 1 and the existing Droërivier-Protasus 400kV line that runs parallel to the N12 in a north-south</p>  |

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|          |  |
|----------|--|
|          | direction and connects Beaufort West with the George/Mossel Bay area further south.  |
| Fencing: | For various reasons such as security, public protection and lawful requirements, the proposed built infrastructure on site will be secured via the installation of appropriate fencing. Existing livestock fencing on the affected farms portions may be upgraded in places were deemed insufficiently secure, whereas permanent fencing will be required around the O&M area and on-site substation hub. Access points will be managed and monitored by an appointed security service provider. |

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The preferred land-use alternative, preferred activity alternative, preferred site alternative, preferred construction compound and laydown area alternatives, preferred substation hub alternatives and technology alternative for the proposed development of the 278 MW Kwagga Wind Energy Facility 1 (Kwagga WEF 1), within Portion 3 of the Farm Tyger Poort No.376, Portion 1 of the Farm Dwaalfontein Wes No.377, Remainder of the Farm Dwaalfontein Wes No.377 and Remainder of the Farm Dwaalfontein No.378 of Ward 7 of the Beaufort West Local Municipality and Ward 2 of the Prince Albert Local Municipality, Western Cape Province, is approved as per the geographic coordinates cited in the table above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised must only be carried out at the property as described above.



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5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made for the activity to be undertaken.
8. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.

**Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

**Commencement of the activity**

11. The authorised activity must not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition

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attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

#### **Management of the activity**

12. The site layout plans as attached as Appendix H (Maps) of the EIAR dated December 2021 is approved.
13. The Environmental Management Programme (EMPr) submitted as part of the EIAR dated December 2021 is approved and must be implemented and adhered to.
14. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
15. Changes to the approved EMPr must be submitted in accordance with the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAR be discovered.

#### **Frequency and process of updating the EMPr**

17. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
18. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
19. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
20. In assessing whether to grant approval of an EMPr which has been updated because of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.

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21. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

22. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
- 22.1. The ECO must be appointed before commencement of any authorised activities.
- 22.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
- 22.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 22.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### Recording and reporting to the Department

23. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
24. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
25. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, considering the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.

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26. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
27. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMP.
28. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

**Notification to authorities**

29. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

**Operation of the activity**

30. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

**Site closure and decommissioning**

31. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

**Specific conditions**

32. The footprint of the development must be limited to the areas required for actual construction works and operational activities and must be clearly demarcated.
33. Should any archaeological sites, artefacts, paleontological fossils, or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, the South African Heritage Resources

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- Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources.
34. All declared aliens must be identified and managed in accordance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).
35. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
36. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options.
37. Where solid waste is disposed of, such disposal must only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

#### General

38. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 38.1. at the site of the authorised activity;
  - 38.2. to anyone on request; and
  - 38.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
39. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 07/01/2022



Mr Sabelo Majoze

Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the amended application form received on 02 December 2021.
- b) The information contained in the EIAR dated December 2021.
- c) The comments received from the Western Cape Government: Transport and Public Works - Roads, Department of Forestry, Fisheries and the Environment: Biodiversity Conservation, Department of Water and Sanitation, Department of Forestry, Fisheries and the Environment: IEA, Western Cape: Department of Agriculture, Forestry and Fisheries (DAFF), Western Cape Government: DEA&DP, SAHRA, Heritage Western Cape Breede-Gouritz Catchment Management Agency (BGCMA), Central Karoo District Municipality, South African Civil Aviation Authority, Air Traffic Navigation Services (ATNS), South African National Roads Agency (SANRAL), BirdLife South Africa: Birds and Renewable Energy, AVIC International Flight Training Academy (Pty) Ltd and interested and affected parties as included in the EIAR dated December 2021.
- d) Mitigation measures as proposed in the EIAR and the EMPr dated December 2021.
- e) The information contained in the specialist studies contained within the appendices of the EIAR dated December 2021 and as appears below:

| Title  | Prepared by   | Date            |
|--|---|-----------------|
| Terrestrial and Biodiversity and Species Impact Assessment | Ekolust cc  | 16 October 2021 |
| Agriculture and Soils Compliance Statement                 | Johann Lenz (Pr.Sci.Nat.)                             | September 2021  |
| Aquatic Biodiversity Impact Assessment                     | Toni Belcher (Pr.Sci.Nat.)                            | September 2021  |
| Avifauna Impact Assessment                                 | Chris van Rooyen Consulting                           | September 2021  |
| Bats Impact Assessment                                     | Arcus Consultancy Services South Africa (Pty) Limited | July 2021       |
| Social Economic Impact Assessment                          | SRK Consulting (South Africa) (Pty) Ltd               | June 2021       |
| Traffic Impact Assessment                                  | JG Afrika (Pty) Ltd-                                  | September 2021  |

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|                                   |   |                 |
|-----------------------------------|---|-----------------|
| Heritage Impact Assessment        | ASHA Consulting (Pty) Ltd-                    | 06 October 2021 |
| Noise Impact Assessment           | Dr Brett Williams                             | 18 July 2021    |
| Visual Impact Assessment          | Bapela Cave Klipwijk Land Planning and Design | September 2021  |
| Palaentological Impact Assessment | Natura Viva cc                                | August 2021     |
| Wake Loss Impact Assessment       | ABO Wind Renewable Energy (Pty) Ltd.          | 05 May 2021     |

## 2. Key factors considered in making the decision

All information presented to the Department was considered in the Department's consideration of the application.

A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project lies in with the national government policies, plans, and programmes which have relevance to energy planning and production.
- c) The EIAR dated December 2021 identified all legislation and guidelines that have been considered in the preparation of the EIAR.
- d) The location of the proposed development
- e) The methodology used in assessing the potential impacts identified in the EIAR dated December 2021 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

### 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAR dated December 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIAR dated December 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMP measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



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## Annexure 2: Site Layout Map

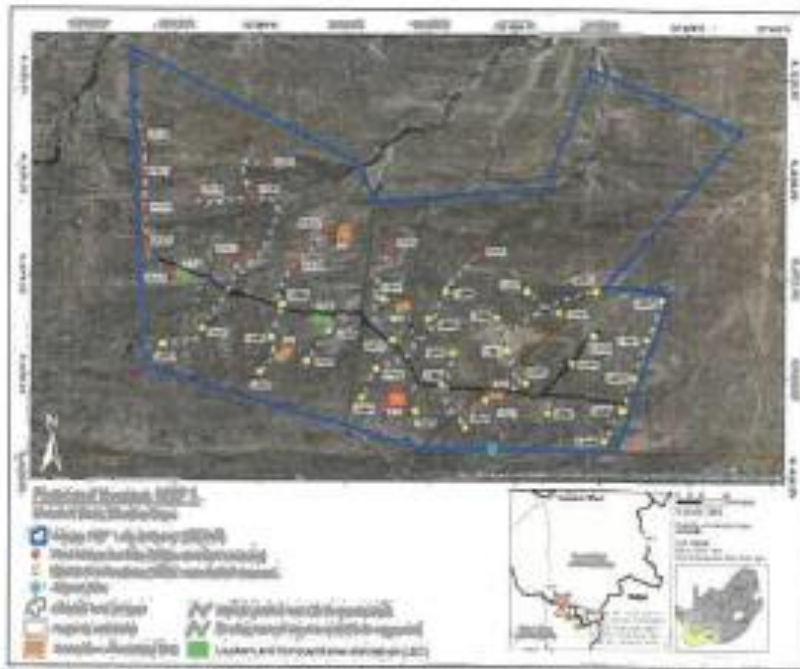


Figure 1: Site layout and confirmed site layout plan for the proposed 132 kV transmission line, showing the route to the switching station and the WEF 3 site. The map also shows the location of the proposed switching station and the WEF 3 site. The map is a site layout map for the proposed 132 kV transmission line, showing the route to the switching station and the WEF 3 site. The map also shows the location of the proposed switching station and the WEF 3 site.

## H. 2: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED KWAGGA WIND ENERGY FACILITY 2 (DFFE REF: 14-12-16-3-3-2-2071)

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forestry, fisheries  
& the environment  
Department  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

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

DFFE Reference: 14/12/16/3/3/2/2071  
Enquiries: Ms Constance Muzemba  
Telephone: (012) 366 9416 E-mail: [CMuzemba@dffe.gov.za](mailto:CMuzemba@dffe.gov.za)

Mr Robert Invernizzi  
Kwagga Wind Energy Facility 2 (Pty) Ltd  
Unit B1, Mayfair Square  
Century Way  
Century City  
CAPE TOWN  
7441

Tel: (021) 276 3620  
Cell: (073) 295 8575  
E-mail: [Rob.Invernizzi@abo-wind.com](mailto:Rob.Invernizzi@abo-wind.com)

PER EMAIL / MAIL

Dear Mr Invernizzi

**ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: PROPOSED DEVELOPMENT OF THE 341 MW KWAGGA WIND ENERGY FACILITY 2 (KWAGGA WEF 2), NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE.**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

*MS*

DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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Chief Directorate: Integrated Environmental Authorisations

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za) ;

By hand: Environment House  
473 Steve Biko Road  
Arcadia  
PRETORIA  
0083 or

By post: Private Bag X447  
PRETORIA  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1988, as amended, the lodging of an appeal will suspend the environmental authorisation, or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms/legal\\_authorisations](https://www.environment.gov.za/documents/forms/legal_authorisations) or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za) .

Yours faithfully



Mr Sabelo Mfiza  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment

Date: 09/04/2022

|     |                      |   |   |
|-----|----------------------|---|---|
| cc: | Ms Lizanda Kallerman | Council for Scientific and Industrial Research (CSIR) | Email: <a href="mailto:L.Kallerman@csir.co.za">L.Kallerman@csir.co.za</a>                       |
|     | Mr Gavin Benjamin    | DEAMD   | Email: <a href="mailto:gavin.benjamin@westerncape.gov.za">gavin.benjamin@westerncape.gov.za</a> |
|     | Ms Annaleen Vorster  | Prince Albert Local Municipality                      | Email: <a href="mailto:annaleen@amun.gov.za">annaleen@amun.gov.za</a>                           |

DFPE Reference: 14/12/18/3/2021  
ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED DEVELOPMENT OF THE 341 MW KWAGGA WIND ENERGY FACILITY 2 (KWAGGA WEF 2), NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE.





## Environmental Authorisation

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

DEVELOPMENT OF THE 341 MW KWAGGA WIND ENERGY FACILITY 2 (KWAGGA WEF 2), NEAR  
BEAUFORT WEST, WESTERN CAPE PROVINCE.

CENTRAL KAROO DISTRICT MUNICIPALITY

|                                |   |
|--------------------------------|---|
| Authorisation register number: | 14/12/16/3/3/2/2071   |
| Last amended:                  | First issue   |
| Holder of authorisation:       | Kwagga Wind Energy Facility 2 (PTY) Ltd   |
| Location of activity:          | Within Ward 2 of Prince Albert Local Municipality in the Western Cape Province. |

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

*M-1*

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## Decision

The Department is satisfied, based on information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

**KWAGGA WIND ENERGY FACILITY 2 (PTY) LTD**

(hereafter referred to as the holder of the authorisation)

with the following contact details –

Mr Robert Invernizzi  
Kwagga Wind Energy Facility 2 (PTY) Ltd  
Unit B1, Mayfair Square, Century Way,  
Century City,  
CAPE TOWN  
7441

Tel: (021) 276 3520

Cell: (073) 265 8575

E-mail: [Rob.Invernizzi@qabo-wind.com](mailto:Rob.Invernizzi@qabo-wind.com)

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DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

| Activity number  | Activity description  |
|--|---|
| <p>Listing Notice 1, Item 11:<br/>The development of facilities or infrastructure for the transmission and distribution of electricity-<br/>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;</p>   | <p>The proposed project will entail the construction of a 33kV/132kV on-site substation hub incorporating facility substation, switchyard, collector infrastructure and associated O&amp;M buildings. The proposed project will be constructed on various farm portions approximately 80km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province and is therefore situated outside of the urban edge.</p>   |
| <p>Listing Notice 1, Item 12:<br/>The development of:<br/>(ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs -<br/>a) within a watercourse;<br/>b) in front of a development setback; or<br/>c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> | <p>The proposed project will entail the construction of the Wind Energy Facility (WEF) and associated infrastructure such as wind turbines and hardstands, offices, O&amp;M building, workshop, ablution facilities, on-site substation hub and collector station, laydown area, water storage tanks, security enclosures and access roads etc. Based on the aquatic and terrestrial biodiversity specialists input provided for the Scoping Phase, several watercourses such as drainage lines with associated riverine areas were identified on site. The buildings and infrastructure are expected to exceed a footprint of 100m<sup>2</sup> with some infrastructure or structures potentially occurring within a watercourse (e.g. drainage line) or within 32m from the edge of watercourses.</p> |

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|--|--|
| <p><u>Listing Notice 1, Item 19:</u><br/>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<br/>(f) a watercourse;</p> | <p>The proposed project will entail the excavation, removal and moving of more than 10m<sup>3</sup> of soil, sand, pebbles or rock from nearby watercourses on site. The proposed project also entails the infilling of more than 10m<sup>3</sup> of material into the nearby watercourses including the Leeu River and Kouka River, some of its associated tributaries and several drainage lines have been identified on the proposed project site.</p>  |
| <p><u>Listing Notice 1, Item 24:</u><br/>The development of a road –<br/>(i) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</p>  | <p>The proposed Kwagga WEF 2 project site will be accessed via the N12 main road, which is situated to the west of the site, as well as from the R308 Rietbron bound public access gravel road that traverses the southern section of the project site. The N12 is a surfaced national road that connects Beaufort West and the N1 main road in the north with Klerksdorp, De Rust, Oudtshoorn and other Garden Route towns to the south. The R308 Rietbron bound public access road is a well-maintained gravel road with widths ranging between 6m and 8m and will be widened to a maximum width of 10m, where necessary. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m, where necessary, additional internal service roads will be constructed on the project site of which the width will not exceed 10m. The length of the internal service road network for the proposed Kwagga WEF 2 is approximately 55km.</p> |

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|---|--|
| <p><u>Listing Notice 1, item 2d:</u><br/>                 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:<br/>                 (i) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</p> | <p>The land earmarked for the development of the proposed Kwagga WEF 2 is currently used for agricultural purposes (mainly low-density livestock farming). The proposed project which is an industrial development will have an estimated footprint of approximately 250ha.</p>  |
| <p><u>Listing Notice 1, item 5b:</u><br/>                 The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-<br/>                 (i) where the existing reserve is wider than 13,5 metres; or<br/>                 (ii) where no reserve exists, where the existing road is wider than 6 metres;</p>   | <p>The proposed Kwagga WEF 2 project site will be accessed via the N12 main road, which is situated to the west of the site, as well as from the R308 Rietbron bound public access gravel road that traverses the southern section of the project site. The N12 is a surfaced national road that connects Beaufort West and the N1 main road in the north with Klerksdorp, De Rust, Oudtshoorn and other Garden Route towns to the south. The R308 Rietbron bound public access road is a well-maintained gravel road with widths ranging between 6m and 8m and will be widened to a maximum width of 10m, where necessary. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m, where necessary, additional internal service roads will be constructed on the project site of which the width will not exceed 10m. The length of the internal service road network for the proposed Kwagga WEF 2 is approximately 55km.</p> |

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|  |   |
|--|---|
| <p><u>Listing Notice 2, item 1:</u><br/>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 PV installations and occurs<br/>(a) within an urban area or;<br/>(b) on existing infrastructure.</p> | <p>The proposed project will entail the construction of a WEF with a maximum generation capacity of 341 MW i.e. a facility to be developed for the generation of electricity from a renewable wind resource.</p>  |
| <p><u>Listing Notice 2, item 15</u><br/>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for:<br/>(i) the undertaking of a linear activity; or<br/>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>   | <p>The proposed WEF project will have a total estimated development footprint of approximately 250ha. As a result, more than 20ha of indigenous vegetation would be removed for the construction of the proposed project.</p>   |
| <p><u>Listing Notice 3, item 4:</u><br/>The development of a road wider than 4 meters with a reserve less than 13.5 meters.<br/>i. Western Cape<br/>ii. Areas outside urban areas;<br/>(sa) Areas containing indigenous vegetation;</p>  | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging between 6m and 8m and will be increased to a maximum width of 10m. Also, a new access road connecting the proposed Kwagga WEF 2 project with the existing public access gravel road running to the south of the site will be constructed that will have a maximum width of 10m. The planned internal road network extends approximately 55 km for the proposed Kwagga WEF 2 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation.</p> |
| <p><u>Listing Notice 3, item 10:</u><br/>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres –</p>  | <p>The construction and operational phases of the proposed WEF project will require infrastructure for the storage and handling of dangerous goods of more than 30m<sup>3</sup> but not exceeding 80m<sup>3</sup>, and which will include flammable and combustible</p>   |

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| <p>i. Western Cape<br/>ii. All areas outside urban areas</p>   | <p>liquids such as chemicals, fuel, oils, lubricants and solvents.</p>   |
| <p><u>Listing Notice 3, Item 12:</u><br/>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.<br/>i. Western Cape<br/>ii. Within critical biodiversity areas identified in bioregional plans;</p>   | <p>The proposed WEF project will have an estimated development footprint of approximately 250ha. As a result, more than 300m<sup>2</sup> of indigenous vegetation would be removed for the construction of the proposed WEF and its associated infrastructure. The proposed project site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017).</p>  |
| <p><u>Listing Notice 3, Item 14:</u><br/>The development of –<br/>(i) infrastructure or structures with a physical footprint of 10 square metres or more;<br/>where such development occurs –<br/>(a) within a watercourse;<br/>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;<br/>i. Western Cape<br/>i. Outside urban areas:<br/>(bb) National Protected Area Expansion Strategy Focus areas;<br/>(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 WEF project will be constructed on various farm portions, located approximately 60 km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province. Hence, development of the proposed project will take place outside of an urban area. The proposed project will entail the construction of the WEF and associated infrastructure within 32m of several watercourses such as drainage lines with associated riverine areas. The proposed project site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas, (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017). In addition, portions of the proposed project site include areas, which are identified as part of the NPAES Lower Karoo Focus Area.</p> |
| <p><u>Listing Notice 3, Item 18:</u><br/>The widening of a road by more than four (4) meters, or the lengthening of a road by more than one (1) kilometre;</p>   | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging between 6m and 8m and will be increased to a</p>  |

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| I. Western Cape   | maximum width of 10m. Also, existing farm roads/jeep tracks that will form part of the internal service road network will be upgraded to a maximum width of 10m. The planned internal service road network extends approximately 55km for the proposed Kwagga WEF 2 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation. This activity would therefore be triggered. |
| II. All areas outside urban areas:<br>(see) Areas containing indigenous vegetation; |  |

as described in the Environmental Impact Assessment Report (EIAR) dated December 2021 at:

**Coordinates and S021**

| Kwagga WEF 2 affected farm portion name   | S0 21 Digit Code     | Centre Coordinates of Farm Portions |                   |
|---|----------------------|-------------------------------------|-------------------|
|   |                      | Latitude                            | Longitude         |
| Remainder of the Farm Wolve Kraal No. 17  | C0610000000001700000 | 32° 58' 56.472" S                   | 22° 42' 9.288" E  |
| Portion 1 of the Farm Wolve Kraal No. 17  | C0610000000001700001 | 32° 59' 31.056" S                   | 22° 43' 0.168" E  |
| Portion 3 of the Farm Wolve Kraal No. 17  | C0610000000001700003 | 33° 0' 10.08" S                     | 22° 42' 29.376" E |
| Portion 6 of the Farm Wolve Kraal No. 17  | C0610000000001700006 | 32° 58' 57.252" S                   | 22° 42' 33.408" E |
| Portion 7 of the Farm Wolve Kraal No. 17  | C0610000000001700007 | 32° 58' 42.348" S                   | 22° 42' 8.244" E  |
| Portion 8 of the Farm Wolve Kraal No. 17  | C0610000000001700008 | 32° 59' 35.268" S                   | 22° 43' 45.012" E |
| Portion 9 of the Farm Wolve Kraal No. 17  | C0610000000001700009 | 32° 57' 34.056" S                   | 22° 46' 3.096" E  |
| Portion 10 of the Farm Wolve Kraal No. 17 | C0610000000001700010 | 32° 59' 17.288" S                   | 22° 42' 19.908" E |
| Portion 11 of the Farm Wolve Kraal No. 17 | C0610000000001700011 | 32° 58' 1.2" S                      | 22° 40' 26.616" E |
| Portion 12 of the Farm Wolve Kraal No. 17 | C0610000000001700012 | 32° 57' 52.308" S                   | 22° 38' 32.588" E |
| The Farm Annex Wolve Kraal No. 18         | C0610000000001800000 | 32° 59' 57.408" S                   | 22° 44' 23.532" E |
| The Farm Annex Welbedacht No. 19.         | C0610000000001900000 | 32° 59' 18.96" S                    | 22° 46' 43.164" E |

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- for the proposed development of the 341 MW Kwagga Wind Energy Facility 2 (Kwagga WEF 2), within Remainder of the Farm Wolwe Kraal No. 17, Portion 1 of the Farm Wolwe Kraal No.17, Portion 3 of the Farm Wolwe Kraal No.17, Portion 6 of the Farm Wolwe Kraal No.17, Portion 7 of the Farm Wolwe Kraal No.17, Portion 8 of the Farm Wolwe Kraal No.17, Portion 9 of the Farm Wolwe Kraal No.17, Portion 10 of the Farm Wolwe Kraal No.17, Portion 11 of the Farm Wolwe Kraal No.17, Portion 12 of the Farm Wolwe Kraal No.17, The Farm Annex Wolwe Kraal No. 18, and the Farm Annex Waibedacht No.19. of Ward 2 of the Prince Albert Local Municipality, Western Cape Province, hereafter referred to as "the property".

The proposed development entails the construction of wind turbines to generate 341MW electricity from energy derived from the wind. The Wind Energy Facility (WEF) will also make use of a range of associated infrastructure, including a 33kV/132kV on-site substation hub incorporating the facility substation, switchyard, collector infrastructure and associated Operation and Maintenance (O&M) buildings. It is proposed that a 132kV overhead transmission line, which will be constructed for the proposed Kwagga WEFs at a later stage, will extend between the proposed on-site substation hub at the Kwagga WEF 2 and the existing Dordriver-Proteus 400kV line that runs parallel to the N12 in a north-south direction and connects Beaufort West with the George/Mosese Bay area further south.

**Project components will entail the following:**

| Infrastructure                              | Description  |
|---|--|
| Number of turbines:                         | 55   |
| Turbine Capacity:                           | Up to 10MW   |
| Hub height                                  | Up to 180m   |
| Rotor (blade) diameter                      | Up to 200m   |
| Blade length                                | Up to 100m   |
| WEF Project Size / Generation Capacity:     | Approximately 341MW  |
| On-site substation hub:                     | The proposed project will include one on-site substation hub incorporating the facility substation, switchyard, collector infrastructure, a BESS and associated O&M buildings. |
| Area of on-site substation hub alternatives | Alternative 1 (Preferred) approximately 18.5ha   |
| Height of substation hub:                   | Maximum 10m  |

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|   |   |
|---|---|
| Capacity of on-site substation:   | 33/132kV  |
| Area occupied by construction compound and lay down area:                     | Size = Six (6) ha (i.e. 300m x 200m)  |
| Internal service roads:   | There are several existing gravel farm roads (some just jeep tracks) with widths ranging between 4m and 6m located around and within the proposed Kwagga WEF 2 project site boundary. The width of the existing internal service roads will be extended to a maximum width of 10m, where necessary. The length of the internal service road network for the proposed Kwagga WEF 2 is approximately 55km.  |
| Concrete batching plant:  | 50m x 50m (on-site batching) (0.25 ha)  |
| Operational and Maintenance (O&M) Building:                                   | 1ha   |
| General temporary Hardstand Area (boom erection, storage, and assembly area): | 1ha   |
| Battery Energy Storage System (BESS):   | The BESS will cover an area of approximately five (5) ha, have a maximum height of 8m (as recommended) and have a storage capacity of up to 500 MWh/500 MWh. The BESS Technology will be Lithium Ion, NiCd, NiMH-based Batteries  |
| Site Access:  | The proposed Kwagga WEF 2 project site can be accessed from the R308 Rietbron bound public access gravel road that traverses the southern section of the project site, via the N12 main road, which is situated to the west of the site. The R308 Rietbron bound public access road is a well-maintained gravel road with widths ranging between 6m and 8m and will be widened to a maximum width of 10m, where necessary. The main access point to the WEF will be located along the R308. |
| Proximity to grid connection:   | Eskom's Droërivier Substation is ideally located within the Central Corridor of the Strategic Transmission Corridors (as gazetted on 16 February 2018, GN R113) and approximately 80km north of the proposed Kwagga WEF 2. It is  |

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|   | proposed that a 132kV overhead transmission line, which will be constructed for the proposed Kwagga WEF 2 at a later stage, will extend between the proposed on-site collector substation at the Kwagga WEF 2 and the existing Droërivier- Proteus 400kV line that runs parallel to the N12 in a north-south direction and connects Beaufort West with the George/Mossel Bay area further south.   |
| Fencing:  | For various reasons such as security, public protection and lawful requirements, the proposed built infrastructure on site will be secured via the installation of appropriate fencing. Existing livestock fencing on the affected farms portions may be upgraded in places were deemed insufficiently secure, whereas permanent fencing will be required around the O&M area and on-site substation hub. Access points will be managed and monitored by an appointed security service provider. |

### Conditions of this Environmental Authorisation

#### Scope of authorisation

1. The preferred land-use alternative, preferred activity alternative, preferred site alternative, preferred construction compound and laydown area alternatives, preferred substation hub alternatives and technology alternative for the proposed development of the 341 MW Kwagga Wind Energy Facility 2 (Kwagga WEF 2), within Remainder of the Farm Wolve Kraal No. 17, Portion 1 of the Farm Wolve Kraal No.17, Portion 3 of the Farm Wolve Kraal No.17, Portion 6 of the Farm Wolve Kraal No.17, Portion 7 of the Farm Wolve Kraal No.17, Portion 8 of the Farm Wolve Kraal No.17, Portion 9 of the Farm Wolve Kraal No.17, Portion 10 of the Farm Wolve Kraal No.17, Portion 11 of the Farm Wolve Kraal No.17, Portion 12 of the Farm Wolve Kraal No.17, The Farm Annex Wolve Kraal No. 18, and the Farm Annex Welbedacht No.19. of Ward 2 of the Prince Albert Local Municipality, Western Cape Province, is approved as per the geographic coordinates cited in the table above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited

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to, an agent, servant, contractor, sub-contractor, employee, consultant, or person rendering a service to the holder of the authorisation.

4. The activities authorised must only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made for the activity to be undertaken.
8. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.

**Notification of authorisation and right to appeal**

8. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

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**Commencement of the activity**

11. The authorised activity must not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

**Management of the activity**

12. The site layout plans as attached as Appendix H (Maps) of the EIAR dated December 2021 is approved.
13. The Environmental Management Programme (EMPr) submitted as part of the EIAR dated December 2021 is approved and must be implemented and adhered to.
14. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
15. Changes to the approved EMPr must be submitted in accordance with the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAR be discovered.

**Frequency and process of updating the EMPr**

17. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
18. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
19. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.

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20. In assessing whether to grant approval of an EMPr which has been updated because of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
21. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

22. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 22.1. The ECO must be appointed before commencement of any authorised activities.
  - 22.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
  - 22.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 22.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### Recording and reporting to the Department

23. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
24. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the



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environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.

25. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, considering the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
26. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
27. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
28. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

**Notification to authorities**

29. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

**Operation of the activity**

30. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

**Site closure and decommissioning**

31. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

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**Specific conditions**

32. The footprint of the development must be limited to the areas required for actual construction works and operational activities and must be clearly demarcated.
33. Should any archaeological sites, artefacts, paleontological fossils, or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, the South African Heritage Resources Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources.
34. All declared aliens must be identified and managed in accordance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).
35. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
36. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options.
37. Where solid waste is disposed of, such disposal must only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

**General**

38. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMP, must be made available for inspection and copying-
  - 38.1. at the site of the authorised activity;
  - 38.2. to anyone on request; and
  - 38.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.

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39. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 02/04/2022



**Mr Sabelo Maliza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**



## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the amended application form received on 02 December 2021.
- b) The information contained in the EIAR dated December 2021.
- c) The comments received from the Western Cape Government: Transport and Public Works - Roads, Department of Forestry, Fisheries and the Environment: Biodiversity Conservation, Department of Water and Sanitation, Department of Forestry, Fisheries and the Environment: IEA, Western Cape: Department of Agriculture, Forestry and Fisheries (DAFF), Western Cape Government: DEASDP, SAHRA, Heritage Western Cape Breeds-Gouritz Catchment Management Agency (BGCMA), Central Karoo District Municipality, South African Civil Aviation Authority, Air Traffic Navigation Services (ATNS), South African National Roads Agency (SANRAL), BirdLife South Africa: Birds and Renewable Energy, AVIC International Flight Training Academy (Pty) Ltd and interested and affected parties as included in the EIAR dated December 2021.
- d) Mitigation measures as proposed in the EIAR and the EMPr dated December 2021.
- e) The information contained in the specialist studies contained within the appendices of the EIAR dated December 2021 and as appears below:

| Title  | Prepared by   | Date            |
|--|---|-----------------|
| Terrestrial and Biodiversity and Species Impact Assessment | Ekofrust cc   | 18 October 2021 |
| Agriculture and Soils Compliance Statement                 | Johann Larz (Pr.Sci.Nat.)                             | September 2021  |
| Aquatic Biodiversity Impact Assessment                     | Toni Balcher (Pr.Sci.Nat.)                            | September 2021  |
| Avifauna Impact Assessment                                 | Chris van Rooyen Consulting                           | September 2021  |
| Bat Impact Assessment                                      | Arcus Consultancy Services South Africa (Pty) Limited | July 2021       |
| Social Economic Impact Assessment                          | SRK Consulting (South Africa) (Pty) Ltd               | June 2021       |
| Traffic Impact Assessment                                  | JG Afrika (Pty) Ltd-                                  | September 2021  |
| Heritage Impact Assessment                                 | ASHA Consulting (Pty) Ltd-                            | 09 October 2021 |

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|                                   |   |                |
|-----------------------------------|---|----------------|
| Noise Impact Assessment           | Dr Brett Williams                             | 19 July 2021   |
| Visual Impact Assessment          | Bapela Cave Klapwijk Land Planning and Design | September 2021 |
| Paleontological Impact Assessment | Natura Viva cc                                | August 2021    |
| Wake Loss Impact Assessment       | ABC Wind Renewable Energy (Pty) Ltd.          | 05 May 2021    |

## 2. Key factors considered in making the decision

All information presented to the Department was considered in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project lies in with the national government policies, plans, and programmes which have relevance to energy planning and production.
- c) The EIAR dated December 2021 identified all legislation and guidelines that have been considered in the preparation of the EIAR.
- d) The location of the proposed development.
- e) The methodology used in assessing the potential impacts identified in the EIAR dated December 2021 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

## 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAR dated December 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIAR dated December 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMP measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR and will be implemented to manage the identified environmental impacts during the construction phase.

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In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

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## Annexure 2: Site Layout Map

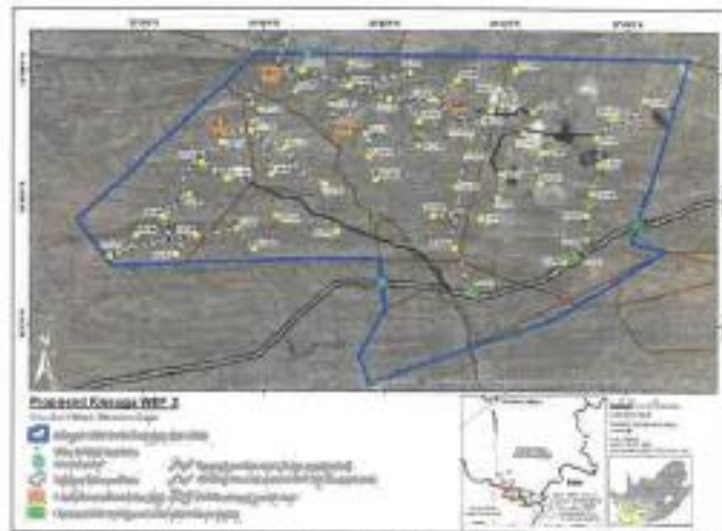


Figure 2.1: Site layout plan for Environmental Storage WEF 3. This plan is for public and project information only and is not a substitute for the detailed engineering design of the site. The layout plan is subject to the final design of the site and is not a substitute for the detailed engineering design of the site.

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## H. 3: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED KWAGGA WIND ENERGY FACILITY 3 (DFFE REF: 14-12-16-3-3-2-2072)

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Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

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

DFFE Reference: 14/12/16/3/3/2/2072

Enquiries: Ms Constance Musemburi

Telephone: (012) 398 9416 E-mail: [CMusemburi@dffe.gov.za](mailto:CMusemburi@dffe.gov.za)

Mr Robert Invernizzi  
Kwagga Wind Energy Facility 3 (PTY) Ltd  
Unit B1, Mayfair Square  
Century Way  
Century City  
CAPE TOWN  
7441

Tel: (021) 276 3620  
Cell: (073) 265 8575  
E-mail: [Rob.Invernizzi@abo-wind.com](mailto:Rob.Invernizzi@abo-wind.com)

PER EMAIL / MAIL

Dear Mr Invernizzi

**ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: PROPOSED DEVELOPMENT OF THE 204.6MW KWAGGA WIND ENERGY FACILITY 3 (KWAGGA WEF 3), NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE.**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

Chief Directorate: Integrated Environmental Authorisations

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dfie.gov.za](mailto:appeals@dfie.gov.za)

By hand: Environment House  
473 Steve Biko Road  
Arcadia  
PRETORIA  
0083 or

By post: Private Bag X447  
PRETORIA  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation, or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <https://www.environment.gov.za/documents/forms#legal-authorisations> or request a copy of the documents at [appeals@dfie.gov.za](mailto:appeals@dfie.gov.za).

Yours faithfully

  
Mr Sabelo Malaza  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment  
Date: 07/04/2022

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|-----|---------------------|---|---|
| cc: | Ms Lizande Kelleman | Council for Scientific and Industrial Research (CSIR) | Email: <a href="mailto:L.Kelleman@csir.co.za">L.Kelleman@csir.co.za</a>   |
|     | Mr Gavin Benjamin   | DEA&DP  | Email: <a href="mailto:gavin.benjamin@westerncape.gov.za">gavin.benjamin@westerncape.gov.za</a>   |
|     | Ms Annelien Vorster | Prince Albert Local Municipality                      | Email: <a href="mailto:annelien@camun.gov.za">annelien@camun.gov.za</a><br><a href="mailto:abridon@psmun.gov.za">abridon@psmun.gov.za</a>                               |
|     | Ms Vuyokazi Ruiters | Beaufort West Local Municipality                      | Email: <a href="mailto:kosleh@beaufortwestmun.co.za">kosleh@beaufortwestmun.co.za</a><br><a href="mailto:/admin@beaufortwestmun.co.za">/admin@beaufortwestmun.co.za</a> |

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ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED DEVELOPMENT OF THE 204.6 MW KWAGGA WIND ENERGY FACILITY 3 (KWAGGA WEF 3), NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE.

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## Environmental Authorisation

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

**DEVELOPMENT OF THE 204.6 MW KWAGGA WIND ENERGY FACILITY 3 (KWAGGA WEF 3), NEAR  
BEAUFORT WEST, WESTERN CAPE PROVINCE.**

**CENTRAL KAROO DISTRICT MUNICIPALITY**

|                                       |   |
|---------------------------------------|---|
| <b>Authorisation register number:</b> | <i>14/12/16/3/3/2/2072</i>  |
| <b>Last amended:</b>                  | <i>First issue</i>  |
| <b>Holder of authorisation:</b>       | <i>Kwagga Wind Energy Facility 3 (PTY) Ltd</i>  |
| <b>Location of activity:</b>          | <i>Within Ward 7 of Beaufort West Local Municipality and Ward 2 of Prince Albert Local Municipality in the Western Cape Province.</i> |

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

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## Decision

The Department is satisfied, based on information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

### **KWAGGA WIND ENERGY FACILITY 3 (PTY) LTD**

(hereafter referred to as the holder of the authorisation)

with the following contact details –

Robert Invernizzi  
Kwagga Wind Energy Facility 3 (PTY) Ltd  
Unit B1, Mayfair Square, Century Way,  
Century City,  
**CAPE TOWN**  
7441

Tel: (021) 276 3620

Cell: (073) 265 8575

E-mail: [Rob.Invernizzi@abo-wind.com](mailto:Rob.Invernizzi@abo-wind.com)

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to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

| Activity number  | Activity description   |
|--|--|
| <p><u>Listing Notice 1, Item 11:</u><br/><i>The development of facilities or infrastructure for the transmission and distribution of electricity-</i><br/><i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;</i></p>  | <p>The proposed project will entail the construction of a 33kV/132kV on-site substation hub incorporating facility substation, switchyard, collector infrastructure and associated O&amp;M buildings. The proposed project will be constructed on various farm portions approximately 60km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province and is therefore situated outside of the urban edge.</p>  |
| <p><u>Listing Notice 1, Item 12:</u><br/><i>The development of:</i><br/><i>(ii) Infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs</i><br/><i>a) within a watercourse;</i><br/><i>b) in front of a development setback; or</i><br/><i>c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p> | <p>The proposed project will entail the construction of the Wind Energy Facility (WEF) and associated infrastructure such as wind turbines and hardstands, offices, O&amp;M building, workshop, ablution facilities, on-site substation hub and collector station, laydown area, water storage tanks, security enclosures and access roads etc. Based on the aquatic and terrestrial biodiversity specialists input provided for the Scoping Phase, several watercourses such as drainage lines with associated riverine areas were identified on site. The buildings and infrastructure are expected to exceed a footprint of 100m<sup>2</sup> with some infrastructure or structures potentially occurring within a watercourse (e.g. drainage line) or within 32 m from the edge of watercourses.</p> |

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| <p><u>Listing Notice 1, Item 19:</u><br/> <i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from</i><br/> <i>(i) a watercourse;</i></p>   | <p>The proposed project will entail the excavation, removal and moving of more than 10m<sup>3</sup> of soil, sand, pebbles, or rock from nearby watercourses on site. The proposed project also entails the infilling of more than 10m<sup>3</sup> of material into the nearby watercourses including the Muiskraai River, some of its associated tributaries and several drainage lines have been identified on the proposed site.</p>  |
| <p><u>Listing Notice 1, Item 24:</u><br/> <i>The development of a road –</i><br/> <i>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</i></p>   | <p>The key route providing access to the proposed project is the N12 main road that runs along the proposed project site to the west. The proposed Kwagga WEF 3 will be accessible from the N12 via the R308 Rietbron bound public access gravel road that traverses the southern section of the site. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m without a road reserve, where necessary, additional internal service roads are to be constructed on the project site of which the width will not exceed 10m. The length of the internal service road network for the proposed Kwagga WEF 3 is approximately 33km.</p> |
| <p><u>Listing Notice 1, Item 28:</u><br/> <i>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:</i><br/> <i>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</i></p> | <p>The land earmarked for the development of the proposed Kwagga WEF 3 is currently used for agricultural purposes (mainly low-density livestock farming). The proposed project which is an industrial development will have an estimated footprint of approximately 250ha.</p>  |



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| <p><u>Listing Notice 1, Item 56:</u><br/><i>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-</i><br/><i>(i) where the existing reserve is wider than 13,5 meters;</i><br/><i>or</i><br/><i>(ii) where no reserve exists, where the existing road is wider than 8 metres;</i></p>  | <p>The key route providing access to the proposed project is the N12 main road that runs along the proposed project site to the west. The proposed Kwagga WEF 3 will be accessible from the N12 via the R308 Rietbron bound public access gravel road that traverses the southern section of the site. The existing reserve of the R308 varies between 8m and 10m, but could be wider than 13.5m in some places. In addition to the existing internal service 'farm' roads on site, which will be extended to a maximum width of 10m, where necessary, additional internal service roads are to be constructed on the project site of which the width will not exceed 10m. The length of the internal service road network for the proposed Kwagga WEF 3 is approximately 33km.</p> |
| <p><u>Listing Notice 2, Item 1:</u><br/><i>The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for PV installations and occurs</i><br/><i>(a) within an urban area or;</i><br/><i>(b) on existing infrastructure.</i></p> | <p>The proposed project will entail the construction of a WEF with a maximum generation capacity of 204.6MW i.e. a facility to be developed for the generation of electricity from a renewable wind resource.</p>   |
| <p><u>Listing Notice 2, Item 15</u><br/><i>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for:</i><br/><i>(i) the undertaking of a linear activity; or</i><br/><i>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</i></p>   | <p>The proposed WEF project will have a total estimated development footprint of approximately 250ha. As a result, more than 20ha of indigenous vegetation would be removed for the construction of the proposed project.</p>   |
| <p><u>Listing Notice 3, Item 4:</u><br/><i>The development of a road wider than 4 meters with a reserve less than 13.5 meters.</i></p>  | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging</p>  |





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| <p><i>i. Western Cape</i></p> <p><i>ii. Areas outside urban areas;</i></p> <p><i>(aa) Areas containing indigenous vegetation;</i></p>  | <p>between 6m and 8m, and will be increased to a maximum width of 10 m. The planned internal road network extends approximately 33km for the proposed Kwagga WEF 3 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation.</p>   |
| <p><u>Listing Notice 3, Item 10:</u></p> <p><i>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres –</i></p> <p><i>i. Western Cape</i></p> <p><i>ii. All areas outside urban areas</i></p>  | <p>The construction and operational phases of the proposed WEF project will require infrastructure for the storage and handling of dangerous goods of more than 30m<sup>3</sup> but not exceeding 80m<sup>3</sup>, and which will include flammable and combustible liquids such as chemicals, fuel, oils, lubricants and solvents.</p>   |
| <p><u>Listing Notice 3, Item 12:</u></p> <p><i>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.</i></p> <p><i>i. Western Cape</i></p> <p><i>ii. Within critical biodiversity areas identified, in bioregional plans;</i></p>                                | <p>The proposed WEF project will have an estimated development footprint of approximately 250ha. As a result, more than 300m<sup>2</sup> of indigenous vegetation would be removed for the construction of the proposed WEF and its associated infrastructure. The proposed project site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017).</p>                             |
| <p><u>Listing Notice 3, Item 14:</u></p> <p><i>The development of –</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</i></p> <p><i>where such development occurs –</i></p> <p><i>(a) within a watercourse;</i></p> <p><i>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p> <p><i>i. Western Cape</i></p> | <p>The proposed WEF project will be constructed on various farm portions, located approximately 60 km south of Beaufort West within the Beaufort West Local Municipality, Western Cape Province. Hence, development of the proposed project will take place outside of an urban area. The proposed project will entail the construction of the WEF and associated infrastructure within 32m of several watercourses such as drainage lines with associated riverine areas. The proposed project</p> |

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| <p><i>i. Outside urban areas:</i><br/><i>(bb) National Protected Area Expansion Strategy</i><br/><i>Focus areas;</i><br/><i>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans</i></p> | <p>site contains Critical Biodiversity Areas (CBAs), Ecological Support Areas (ESAs) and Other Natural Areas, (ONAs) in terms of the Western Cape Biodiversity Spatial Plan (2017). In addition, portions of the proposed project site include areas, which are identified as part of the NPAES Lower Karoo Focus Area.</p>  |
| <p><u>Listing Notice 3, Item 18:</u><br/><i>The widening of a road by more than four (4) meters, or the lengthening of a road by more than one (1) kilometre:</i><br/><i>i. Western Cape</i><br/><i>ii. All areas outside urban areas:</i><br/><i>(ea) Areas containing indigenous vegetation;</i></p>    | <p>Existing roads will be upgraded to access each of the main affected farm portions. The access roads are estimated to have an existing width ranging between 6m and 8m and will be increased to a maximum width of 10m. Also, existing farm roads/jeep tracks, with the current width of 4 -6m, that will form part of the Internal service road network will be upgraded to a maximum width of 10m. The planned internal service road network extends approximately 33km for the proposed Kwagga WEF 3 project. The proposed project will take place outside of an urban area on land containing indigenous vegetation.</p> |

as described in the Environmental Impact Assessment Report (EIAR) dated December 2021 at:

**Coordinates and SG 21**

| Kwagga WEF 3 affected farm portion name     | SG 21 Digit Code     | Centre Coordinates of Farm Portion |                   |
|---|----------------------|------------------------------------|-------------------|
|   |                      | Latitude                           | Longitude         |
| Portion 2 of the Farm Arthurs Kraal No. 386 | C0090000000003860002 | 33° 1' 8.616" S                    | 22° 50' 52.152" E |
| Portion 3 of the Farm Arthurs Kraal No. 386 | C0090000000003860003 | 32° 59' 29.868" S                  | 22° 48' 49.728" E |
| Portion 4 of the Farm Cyferfontein No. 115  | C061000000001150004  | 33° 1' 8.256" S                    | 22° 48' 55.152" E |
| Portion 5 of the Farm Cyferfontein No. 115  | C061000000001150005  | 33° 2' 8.216" S                    | 22° 48' 13.944" E |
| Portion 6 of the Farm Cyferfontein No. 115  | C061000000001150006  | 33° 2' 18.752" S                   | 22° 47' 21.552" E |

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|   |                       |                   |                   |
|---|-----------------------|-------------------|-------------------|
| Portion 1 of the Farm Arthurs Kraal No. 386 | C00900000000038600001 | 32° 58' 54.624" S | 22° 47' 28.644" E |
| The Farm Annex Taalbos No.21                | C0810000000002100000  | 32° 59' 13.2" S   | 22° 48' 42.384" E |
| Portion 8 of the Farm Cyferfontein No. 115  | C08100000000011500008 | 32° 59' 51.612" S | 22° 47' 18.96" E  |
| Portion 5 of the Farm Muis Kraal No. 373    | C00900000000037300005 | 32° 57' 21.672" S | 22° 51' 47.988" E |
| Portion 7 of the Farm Muis Kraal No. 373    | C00900000000037300007 | 32° 57' 35.316" S | 22° 49' 21.18" E  |

- for the proposed development of the 204.6 MW Kwagga Wind Energy Facility 3 (Kwagga WEF 3), on Portion 2 of the Farm Arthurs Kraal No. 386, Portion 3 of the Farm Arthurs Kraal No. 386, Portion 4 of the Farm Cyferfontein No. 115, Portion 5 of the Farm Cyferfontein No. 115, Portion 6 of the Farm Cyferfontein No. 115, Portion 7 of the Farm Cyferfontein No. 115, Portion 8 of the Farm Cyferfontein No. 115, Portion 1 of the Farm Arthurs Kraal No. 386, the Farm Annex Taalbos No.21, Portion 8 of the Farm Cyferfontein No. 115, Portion 5 of the Farm Muis Kraal No. 373, Portion 7 of the Farm Muis Kraal No. 373 of Ward 7 of Beaufort West Local Municipality and Ward 2 of the Prince Albert Local Municipality, Western Cape Province, hereafter referred to as "the property".

The proposed development entails the construction of wind turbine to generate electricity from energy derived from the wind. The WEFs will also make use of a range of associated infrastructure, including a 33kV/132kV on-site substation hub incorporating the facility substation, switchyard, collector infrastructure and associated Operation and Maintenance (O&M) buildings. It is proposed that a 132kV overhead transmission line, which will be constructed for the proposed Kwagga WEFs at a later stage, will extend between the proposed on-site substation hub at the Kwagga WEF 3 and the existing Droërivier-Proteus 400 kV line that runs parallel to the N12 in a north-south direction and connects Beaufort West with the George/Mosel Bay area further south.

**Project components will entail the following:**

| Infrastructure                          | Description           |
|---|-----------------------|
| Number of turbines:                     | 33                    |
| Turbine Capacity:                       | Up to 10MW            |
| Hub height                              | Up to 180m            |
| Rotor (blade) diameter                  | Up to 200m            |
| Blade length                            | Up to 100m            |
| WEF Project Size / Generation Capacity: | Approximately 204.6MW |



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| On-site substation hub:   | The proposed project will include one on-site substation hub incorporating the facility substation, switchyard, collector infrastructure, a BESS and associated O&M buildings.   |
| Area of on-site substation hub alternatives                                   | Alternative 1 (Preferred) 17ha   |
| Height of substation hub:   | Maximum 10m  |
| Capacity of on-site substation:   | 33/132kV   |
| Area occupied by construction compound and lay down area:                     | Size = Six (6) ha (i.e. 300 m x 200m)  |
| Internal service roads:   | There are several existing gravel farm roads (some just jeep tracks) with widths ranging between 4m and 6m located around and within the proposed Kwagga WEF 3 site boundary. The width of the existing internal service roads will be extended to a maximum width of 10m, where necessary. The length of the internal service road network for the proposed Kwagga WEF 3 is approximately 33km. |
| Concrete batching plant:  | 50m x 50m (on-site batching) (0.25 ha)   |
| Operational and Maintenance (O&M) Building:                                   | 1ha  |
| General temporary Hardstand Area (boom erection, storage, and assembly area): | 1ha  |
| Battery Energy Storage System (BESS):   | The BESS will cover an area of approximately five (5) ha, have a maximum height of 8 m (as recommended) and have a storage capacity of up to 500 MW/500 MWh. The BESS Technology will be Lithium ion, NiCd, NiMH-based Batteries   |
| Site Access:  | The proposed Kwagga WEF 3 project site can be accessed from the R308 Rietbron bound public access gravel road that traverses the northern section of the site, via the N12 main road, which is situated to the west of the site. The R308 Rietbron bound public access road is a well-maintained gravel road with widths ranging between 6m and 8m and will be widened to a maximum width        |

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|                               | of 10 m, where necessary. The main access point to the WEF will be located along the R308.   |
| Proximity to grid connection: | Eskom's Droërvier Substation is ideally located within the Central Corridor of the Strategic Transmission Corridors (as gazetted on 16 February 2018, GN R113) and approximately 65 km north of the proposed Kwagga WEF 3. It is proposed that a 132 kV overhead transmission line, which will be constructed for the proposed Kwagga WEF 3 at a later stage, will extend between the proposed on-site collector substation at the Kwagga WEF 3 and the existing Droërvier– Proteus 400 kV line that runs parallel to the N12 in a north-south direction and connects Beaufort West with the George/Mossel Bay area further south. |
| Fencing:                      | For various reasons such as security, public protection and lawful requirements, the proposed built infrastructure on site will be secured via the installation of appropriate fencing. Existing livestock fencing on the affected farms portions may be upgraded in places where deemed insufficiently secure, whereas permanent fencing will be required around the O&M area and on-site substation hub. Access points will be managed and monitored by an appointed security service provider.  |

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The preferred land-use alternative, preferred activity alternative, preferred site alternative, preferred construction compound and laydown area alternatives, preferred substation hub alternatives and technology alternative for the proposed development of the proposed development of the 204.6 MW Kwagga Wind Energy Facility 3 (Kwagga WEF 3), on Portion 2 of the Farm Arthurs Kraal No. 386, Portion 3 of the Farm Arthurs Kraal No. 386, Portion 4 of the Farm Cyferfontein No. 115, Portion 5 of the Farm Cyferfontein No. 115, Portion 6 of the Farm Cyferfontein No. 115, Portion 1 of the Farm Arthurs Kraal No. 386, the Farm Annex Taalbos No.21, Portion 8 of the Farm Cyferfontein No. 115, Portion 5 of the Farm Muis Kraal No. 373, Portion 7 of the Farm Muis Kraal No. 373 of Ward 7 of Beaufort West Local Municipality and Ward 2 of the Prince Albert Local Municipality, Western Cape Province, is approved as per the geographic coordinates cited in the table above.

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2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant, or person rendering a service to the holder of the authorisation.
4. The activities authorised must only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made for the activity to be undertaken.
8. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.

**Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

**Commencement of the activity**

11. The authorised activity must not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

**Management of the activity**

12. The site layout plans as attached as Appendix H (Maps) of the EIAR dated December 2021 is approved.
13. The Environmental Management Programme (EMPr) submitted as part of the EIAR dated December 2021 is approved and must be implemented and adhered to.
14. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
15. Changes to the approved EMPr must be submitted in accordance with the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAR be discovered.

**Frequency and process of updating the EMPr**

17. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
18. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
19. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.

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20. In assessing whether to grant approval of an EMPr which has been updated because of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
21. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

22. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 22.1. The ECO must be appointed before commencement of any authorised activities.
  - 22.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
  - 22.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 22.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### Recording and reporting to the Department

23. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
24. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the

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environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.

25. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, considering the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
26. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
27. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
28. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

**Notification to authorities**

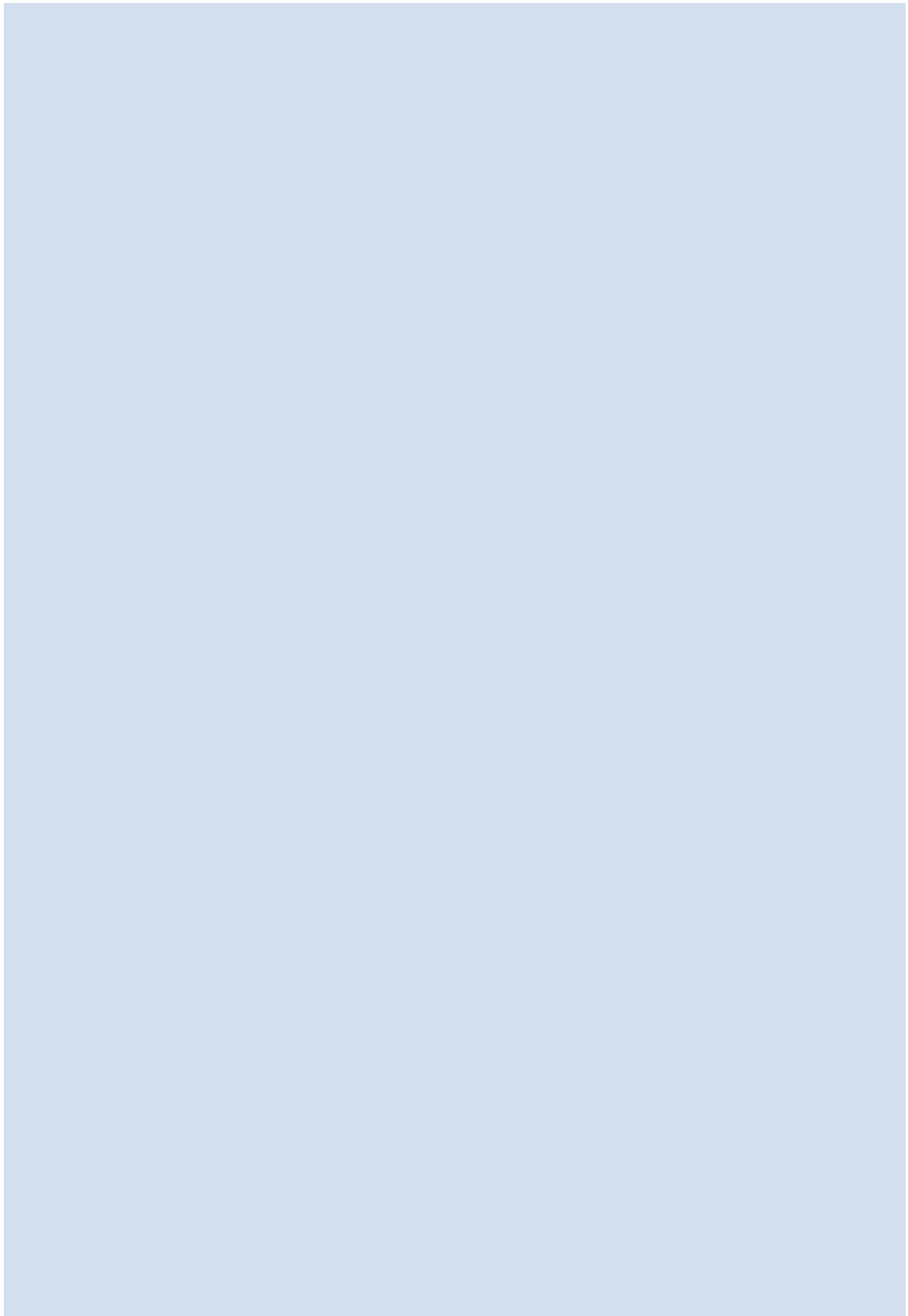
29. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

**Operation of the activity**

30. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

**Site closure and decommissioning**

31. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.



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**Specific conditions**

32. The footprint of the development must be limited to the areas required for actual construction works and operational activities and must be clearly demarcated.
33. Should any archaeological sites, artefacts, paleontological fossils, or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, the South African Heritage Resources Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources.
34. All declared aliens must be identified and managed in accordance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).
35. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
36. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options.
37. Where solid waste is disposed of, such disposal must only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

**General**

38. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 38.1. at the site of the authorised activity;
  - 38.2. to anyone on request; and
  - 38.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.

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39. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 07/07/2022



Mr Sabelo Mjaza

Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the amended application form received on 02 December 2021.
- b) The information contained in the EIAR dated December 2021.
- c) The comments received from the Western Cape Government: Transport and Public Works - Roads, Department of Forestry, Fisheries and the Environment: Biodiversity Conservation, Department of Water and Sanitation, Department of Forestry, Fisheries and the Environment: IEA, Western Cape: Department of Agriculture, Forestry and Fisheries (DAFF), Western Cape Government: DEA&DP, SAHRA, Heritage Western Cape Breede-Gouritz Catchment Management Agency (BGCMA), Central Karoo District Municipality, South African Civil Aviation Authority, Air Traffic Navigation Services (ATNS), South African National Roads Agency (SANRAL), BirdLife South Africa: Birds and Renewable Energy, AVIC International Flight Training Academy (Pty) Ltd and interested and affected parties as included in the EIAR dated December 2021.
- d) Mitigation measures as proposed in the EIAR and the EMPr dated December 2021.
- e) The information contained in the specialist studies contained within the appendices of the EIAR dated December 2021 and as appears below:

| Title  | Prepared by   | Date            |
|--|---|-----------------|
| Terrestrial and Biodiversity and Species Impact Assessment | Ekotrust cc   | 16 October 2021 |
| Agriculture and Soils Compliance Statement                 | Johann Lanz (Pr.Sci.Nat.)                             | September 2021  |
| Aquatic Biodiversity Impact Assessment                     | Toni Belcher (Pr.Sci.Nat.)                            | September 2021  |
| Avifauna Impact Assessment                                 | Chris van Rooyen Consulting                           | September 2021  |
| Bats Impact Assessment                                     | Arcus Consultancy Services South Africa (Pty) Limited | July 2021       |
| Social Economic Impact Assessment                          | SRK Consulting (South Africa) (Pty) Ltd               | June 2021       |
| Traffic Impact Assessment                                  | JG AFRIKA (PTY) LTD-                                  | 23 July 2021    |
| Heritage Impact Assessment                                 | ASHA Consulting (Pty) Ltd-                            | 09 October 2021 |





DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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Department of Forestry, Fisheries and the Environment  
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|                                    |   |                |
|------------------------------------|---|----------------|
| Noise Impact Assessment            | Dr Brett Williams                             | 19 July 2021   |
| Visual Impact Assessment           | Bapela Cave Klapwijk Land Planning and Design | September 2021 |
| Palaeontological Impact Assessment | Natura Viva cc                                | August 2021    |
| Wake Loss Impact Assessment        | ABO Wind Renewable Energy (Pty) Ltd.          | 05 May 2021    |

*MJ*

## 2. Key factors considered in making the decision

All information presented to the Department was considered in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project ties in with the national government policies, plans, and programmes which have relevance to energy planning and production.
- c) The EIAR dated December 2021 identified all legislation and guidelines that have been considered in the preparation of the EIAR.
- d) The location of the proposed development.
- e) The methodology used in assessing the potential impacts identified in the EIAR dated December 2021 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

## 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAR dated December 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIAR dated December 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMP measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

Department of Forestry, Fisheries and the Environment  
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### Annexure 1: Site Layout Map

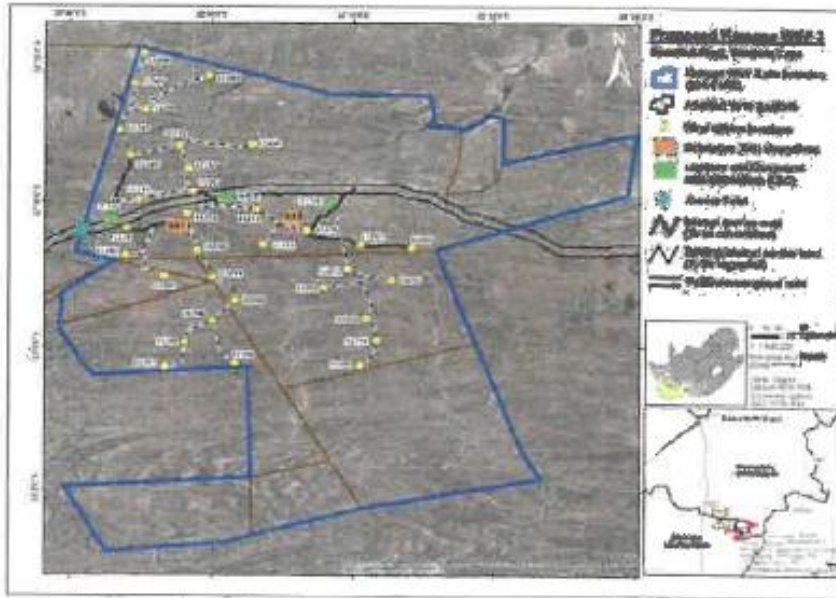


Figure 1: Site layout plan for the proposed Kwagga WEF 3 (illustrating the position of project components as revised following the outcome of the high-level spatial assessment done during the Scoping Phase. The revised site layout plan will be utilised in detailed specialist assessments during the EIA Phase.

MS

## H. 4: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED BEAUFORT WEST WIND ENERGY FACILITY (DFFE REF: 12-12-20-1784-1-AM2)

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**forestry, fisheries  
& the environment**

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

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

DFFE Reference: 12/12/20/1784/1/AM2

Enquiries: Mr Miyelani Myambo

Telephone: (012) 399 9376 E-mail: [MMyambo@environment.gov.za](mailto:MMyambo@environment.gov.za)

Mr Eugene Marais  
Beaufort West Wind Farm (Pty) Ltd  
PO Box 45063  
CLAREMONT  
7735

Telephone Number: (021) 657 4045  
Email Address: [eugene.marais@mainstreammp.com](mailto:eugene.marais@mainstreammp.com)

### PER EMAIL / MAIL

Dear Mr Marais

### AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 FOR THE AUTHORISED BEAUFORT WEST 140 MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY, IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA

The Environmental Authorisation (EA) issued for the abovementioned application by this Department on 13 February 2017, the amendments to the EA dated 25 January 2017 and 11 March 2020, your application for amendment of the EA received by the Department on 18 June 2021 and the acknowledgement letter dated 24 June 2021, refer.

Based on a review of the reason for requesting an amendment to the above EA, this Department, in terms of Chapter 5 of the Environmental Impact Assessment Regulations, 2014 as amended, has decided to amend the EA dated 13 February 2017 as amended, as follows:

#### Amendment 1: Change of holder of the EA - cover page 3 and 4:

South Africa Mainstream Renewable Power Developments (Pty) Ltd.

#### is hereby amended to:

Beaufort West Wind Farm (Pty) Ltd.

#### **Reason for the amendment:**

The proposed amendment is required to update the company name in the Environmental Authorisation.

**Amendment 2: Project name on cover page:**

Beaufort West 140 MW Wind Farm within the Prince Albert Local Municipality, Western Cape Province.

**Is hereby amended to:**

Beaufort West 140 MW Wind Energy Facility (WEF) and associated infrastructure within the Prince Albert Local Municipality, in the Western Cape Province of South Africa.

**Reason for the amendment:**

The project name needs to be amended to include "associated infrastructure", namely BESS.

**Amendment 3: Addition to project description on page 4:**

Description remains the same as in 12/12/20/1784/1 and as amended in 12/12/20/1784/AM4

Adding the following:

- 200MWh Lithium Ion Battery Energy Storage System (BESS) within the substation footprint.

**Reason for the amendment:**

The project description needs to be amended to include "associated infrastructure", namely BESS.

**Amendment 4: Technical details of the proposed facility - Table page 4:**

The table remains the same as in 12/12/20/1784/1 and as amended in 12/12/20/1784/AM4

Addition of the following components:

| Component           | Description |
|---------------------|-------------|
| BESS Capacity       | 200MWh      |
| BESS Technology     | Lithium-Ion |
| BESS Footprint (ha) | Up to 4ha   |

**Reason for the amendment:**

It is requested that the technical details of the proposed facility - Table on Page 4 of 12/12/20/1784/1 and as amended in 12/12/20/1784/AM4 is changed to include the above mentioned components to the facility.

**Amendment 5: Conditions of this Environmental Authorisation page 7:**

15.6: Substation(s) inverters and/or transformer(s) sites including their entire footprint;

**Is hereby amended to:**

15.6: Battery Energy Storage system sites, including their entire footprint;

**Reason for the amendment:**

It is requested that Condition 15.6 on page 7 of the EA 12/12/20/1784/1 and as amended in 12/12/20/1784/AM4 is changed to include the BESS sites as part of the already authorised footprint.

**Please be informed that the proposed addition of the 33kV portion (including the transformer) of the shared on-site substation that is currently authorised with the on-site 132kV/400kV Linking Substation, two 33kV/132kV substations and the 132kV grid lines (DEA Ref: 14/12/16/3/3/2/925) cannot be achieved through an amendment process as the infrastructure to be added triggers Activity 11 of LN1.**

This proposed amendment letter must be read in conjunction with the EA dated 13 February 2017 as amended.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@environment.gov.za](mailto:appeals@environment.gov.za)

By hand: Environment House  
473 Steve Biko,  
Arcadia,  
Pretoria,  
0083; or



Chief Directorate: Integrated Environmental Authorisations

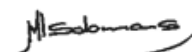
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By post: Private Bag X447,  
Pretoria,  
0001;

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@environment.gov.za](mailto:appeals@environment.gov.za).

Yours faithfully



**Ms Millicent Solomons**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: 14/07/2021.

|     |                    |   |  |
|-----|--------------------|---|--|
| cc: | Kevin John van Wyk | Trakaskullen Family Trust   | E-mail: <a href="mailto:kevin@pawireless.co.za">kevin@pawireless.co.za</a>                       |
|     | François Naude     | Western Cape Department of Environmental Affairs and Development Planning | E-mail: <a href="mailto:Francois.Naude@westerncape.gov.za">Francois.Naude@westerncape.gov.za</a> |
|     | Mr MJ Penxa        | Beaufort West Local Municipality  | E-mail: <a href="mailto:jacksonp@beaufortwestmun.co.za">jacksonp@beaufortwestmun.co.za</a>       |
|     | Lindra Scott-Shaw  | SLR Consulting Africa (South Africa) (Pty) Ltd                            | E-mail: <a href="mailto:lscottshaw@slrconsulting.com">lscottshaw@slrconsulting.com</a>           |





forestry, fisheries  
& the environment

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

Private Bag X 447· PRETORIA · 0001· Environment House · Cnr Soutpansberg & Steve Biko Roads · Pretoria Tel (+27 12) 399 9000

Enquiries: Devinagie Bendeman Tel: 012 399 9337

Email:Vbendeman@environment.gov.za

Ms. Solomons  
Director: Strategic Infrastructure Development

Dear Mrs. Solomons

**APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS FOR THE PERIOD 12 JULY 2021 UNTIL 23 JULY 2021.**

This serves to confirm your appointment as Acting Chief Director: integrated environmental authorisations, from 12 July 2021 until 23 July 2021, whilst Mr Sabelo Malaza is on Annual Leave.

You will act in this capacity with the full responsibilities and duties attached to the post, including the activities entrusted to the Acting Chief Director: integrated environmental authorisations by or in terms of the Acts administered by the Department.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1998), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standards, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of the legislations and policies and the amendments thereof. (Copies of departmental policies can be obtained from the Human Resource Office).

Yours Sincerely

~~Devinagie Bendeman~~

Acting Deputy Director-General: RCSM (Regulatory Compliance and Sector Monitoring)

Date: 9/07/2021



**ACKNOWLEDGEMENT**

I ACCEPT / DO NOT ACCEPT  
appointment as Acting Chief  
Director: integrated environmental  
authorizations

Signed:

Date: 12/07/2021

## H. 5: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED TRAKAS WIND ENERGY FACILITY (DFFE REF: 12-12-20-1784-2-AM2)

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**forestry, fisheries  
& the environment**  
Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

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

DFFE Reference: 12/12/20/1784/2/AM2

Enquiries: Mr Coenrad Agenbach

Telephone: (012) 389 9403 E-mail: cagenbach@environment.gov.za

Mr Eugene Marais  
Trakas Wind (Pty) Ltd  
PO Box 45063  
CLAREMONT  
7735

Telephone Number: (021) 657 4045  
Email Address: eugene.marais@mainstreammp.com

PER EMAIL

Dear Mr Marais

**AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE TRAKAS 140MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE**

The Environmental Authorisation (EA) issued for the abovementioned application by this Department on 13 February 2017, the amendments to the EA dated 18 February 2020 and 13 March 2020 respectively, the application for an amendment to the EA received by this Department on 18 June 2021 and the acknowledgement letter dated 19 July 2021, refer.

Based on a review of the reason for requesting an amendment to the above EA, this Department, in terms of Chapter 5 of the Environmental Impact Assessment Regulations, 2014 as amended, has decided to amend the EA dated 13 February 2017, as amended, as follows:

**Amendment 1: Amendment to change the holder of the EA:**

The holder of the EA is amended:

**From:**

*"South Africa Mainstream Renewable Power Developments (Pty) Ltd"*

**To:**

*"Trakas Wind Farm (Pty) Ltd"*

**Amendment 2: Amendment to change the project name and description of the EA:**

The title on Page 01 of the EA is amended:

**From:**

*"The Trakas 140MW Wind Farm within the Prince Albert Local Municipality, Western Cape Province"*

**To:**

*"The Trakas 140MW Wind Energy Facility (WEF) and associated infrastructure within the Prince Albert Local Municipality in the Western Cape Province of South Africa"*

**Amendment 3: Change in the project description in the EA:**

The project description on page 4 of the EA is amended:

**From:**

*"The Trakas 140MW Wind Farm will comprise of the following:*

- *Up to 40 wind turbines with a hub height from the ground level up to 200m and a rotor diameter up to 200m;*
- *Site access roads;*
- *Hardened lay down areas for turbine assembling; and*
- *Operation and maintenance building."*

**To:**

*"The Trakas 140MW Wind Farm will comprise of the following:*

- *Up to 40 wind turbines with a hub height from the ground level up to 200m and a rotor diameter up to 200m;*
- *Site access roads;*
- *Hardened lay down areas for turbine assembling;*
- *Operation and maintenance building;*
- *200MWh Lithium Ion Battery Energy Storage System (BESS) within the substation footprint; and*
- *33kV portion of the 33/132kV substation (including the transformer)."*

**Amendment 4: Addition of technical details of the facility:**

The table with the technical details of the facility on page 04 of the EA is amended:

**From:**

| <b>Component</b>     | <b>Description / Dimensions</b>  |
|----------------------|--|
| Location of the site | Beaufort West, Prince Albert Local Municipality and Central Karoo District Municipality, Western Cape                                |
| Farm names           | Portion 1 of the Farm Trakas Kuilen No. 15<br>Remainder of the Farm Trakas Kuilen No. 15<br>Portion 1 of the Farm Witpoortjie No. 16 |
| Site access          | Off the N12<br>Site access road coordinates:<br>32°55'36.94"S  |

DFFE Reference: 12/12/20/1784/2/AM2

2

AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE TRAKAS 140MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE

*M/S*

Chief Directorate: Integrated Environmental Authorisations

|                                    |                    |
|------------------------------------|--------------------|
|                                    | 22°32'43.96"E      |
| Export capacity                    | Up to 140MW        |
| Proposed technology                | Wind turbines      |
| Number of turbines                 | Up to 40           |
| Hub height from ground level       | Up to 200m         |
| Rotor diameter                     | Up to 200m         |
| Width and length of internal roads | 13.5m wide and 5km |

**To:**

| Component                          | Description / Dimensions   |
|------------------------------------|--|
| Location of the site               | Beaufort West, Prince Albert Local Municipality and Central Karoo District Municipality, Western Cape                                |
| Farm names                         | Portion 1 of the Farm Trakas Kuilen No. 15<br>Remainder of the Farm Trakas Kuilen No. 15<br>Portion 1 of the Farm Wilpoortjie No. 16 |
| Site access                        | Off the N12<br>Site access road coordinates:<br>32°55'36.94"S<br>22°32'43.96"E   |
| Export capacity                    | Up to 140MW  |
| Proposed technology                | Wind turbines  |
| Number of turbines                 | Up to 40   |
| Hub height from ground level       | Up to 200m   |
| Rotor diameter                     | Up to 200m   |
| Width and length of internal roads | 13.5m wide and 5km   |
| BESS Capacity                      | 200MWh   |
| BESS Technology                    | Lithium-Ion  |
| BESS Footprint (ha)                | Up to 4ha  |
| Substation (including transformer) | 33kV portion of the 33kV/132kV on site shared substation   |

**Amendment 5: Amendment to condition 15.6 on page 07 of the EA:**

Condition 15.6 on page 07 of the EA is amended:

**From:**

"Substation(s) inverters and/or transformer(s) sites including their entire footprint"

**To:**

"Substation(s) inverters and/or transformer(s) sites, Battery Energy Storage System sites, including their entire footprint"

**Reason for amendments:**

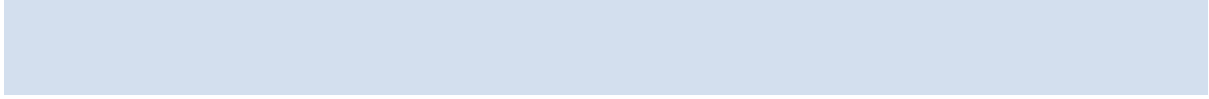
To ensure adequate energy supply of electricity from the wind farm, Trakas is proposing the addition of a Battery Energy Storage System (BESS) with a capacity of up to 200MWh. The BESS will cover an area of 4ha and will be located within the authorised substation footprint of the Trakas 140MW Wind Energy Facility.

DFPE Reference: 12/12/20/1784/2/AM2

3

AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE TRAKAS 140MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE

*MS*



*Chief Directorate: Integrated Environmental Authorisations*

The addition of a BESS to the project will allow the project to be suitable for the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) and other public or private run procurement programmes that may arise or for sale to private entities, if enabled and/or required in the drive for an energy mix and security in South Africa. Further to this the Holder of the EA changed and this needs to reflect in the Environmental Authorisation.

This amendment letter must be read in conjunction with the EA dated 13 February 2017 as amended.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision, of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No. 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act No. 4 of 2013) which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@environment.gov.za](mailto:appeals@environment.gov.za);

By hand: Environment House  
473 Steve Biko,  
Arcadia,  
Pretoria,  
0083; or

By post: Private Bag X447,  
Pretoria,  
0001;

Chief Directorate: Integrated Environmental Authorisations

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@environment.gov.za](mailto:appeals@environment.gov.za).

Yours faithfully



**Mr Sabelo Malaza**  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment  
Date: 12/03/2024

|     |                 |  |  |
|-----|-----------------|--|--|
| cc: | Mr F Naude      | WC DEA&DP                                      | Email: Francois.Naude@westerncape.gov.za |
|     | Ms L Scott-Shaw | SLR Consulting Africa (South Africa) (Pty) Ltd | Email: lscottshaw@slrconsulting.com      |
|     | Mr MJ Penxa     | Beaufort West Local Municipality               | Email: jacksonp@beaufortwestmun.co.za    |

DFFE Reference: 12/12/201784/2/AM2

5

AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE TRAKAS 140MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE

125







**forestry, fisheries  
& the environment**

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

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

DFFE Reference: 12/12/201784/1/AM3

Enquiries: Herman Alberts

Telephone: 012 399 9371 E-mail: [HAlberts@dfpe.gov.za](mailto:HAlberts@dfpe.gov.za)

Mr Eugene Marais  
Beaufort West Wind Farm (Pty) Ltd  
PO Box 45063  
CLAREMONT  
7735

Telephone Number: (021) 657 4045  
Email Address: [eugene.marais@mainstreammp.com](mailto:eugene.marais@mainstreammp.com)

**AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE AUTHORISED BEAUFORT WEST 140MW WIND ENERGY FACILITY (WEF) AND ITS ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERTS LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE**

The Environmental Authorisation (EA) issued for the above application by this Department on 13 February 2017 (as amended), your application for amendment of the EA received by this Department on 06 January 2022 and the acknowledgment letter dated 18 January 2022, refer.

Based on a review of the reason for requesting an amendment to the above EA, this Department, in terms of Chapter 5 of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended, has decided to amend the EA dated, 13 February 2017 (as amended) as follows:

**Amendment 1: Amendment to extend the validity period of the EA**

The activity must commence within a period of five (05) years from the date of expiry of the EA amendment issued on 13 February 2017. The EA will now lapse on 13 February 2027. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.

Further to the above, the Department is aware that the environment changes constantly, as a result it might be significantly different from the one that existed at the time of the issuing of this EA, hence the validity of the EA cannot exceed a maximum period of 10 years. Failure to commence with construction activities within the maximum 10-year period, your EA will be deemed to have lapsed and a new application for EA will have to be lodged.

**Reason for amendments:**

The proposed extension of the validity period of the EA for the Beaufort West Wind Farm is required to ensure that the EA does not lapse and prevent the construction of the authorised wind farm. The wind farm has received Preferred Bidder status as part of the Round 5 Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) and has also become a Strategic Infrastructure Project (SIP) (i.e., SIP 8).

This amendment letter must be read in conjunction with the EA dated 13 February 2017, as amended.

*MS*

*Chief Directorate: Integrated Environmental Authorisations*

In terms of the Promotion of Administrative Justice Act, 2000 (Act No. 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act No. 4 of 2013) which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision, of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 (twenty) days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

**By email:** [appeals@dfie.gov.za](mailto:appeals@dfie.gov.za)

**By hand:** Environment House  
473 Steve Biko Road  
Arcadia  
**PRETORIA**  
0083 or

**By post:** Private Bag X447  
**PRETORIA**  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

DFFE Reference: 12/12/201764/1/AM3

2

AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE AUTHORISED BEAUFORT WEST 140MW WIND ENERGY FACILITY (WEF) AND ITS ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERTS LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE



DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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Chief Directorate: Integrated Environmental Authorisations

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <https://www.environment.gov.za/documents/forms#legal-authorisations> or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za).

Yours faithfully

  
**Mr Sabelo Malaza**  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment  
Date: 02/02/2022

|    |                    |                                  |   |
|----|--------------------|----------------------------------|---|
| cc | Liandra Scott-Shaw | SLR Consulting Africa            | Email: <a href="mailto:liandra@slrconsulting.com">liandra@slrconsulting.com</a>                             |
|    | Mr MJ Parxa        | Beaufort West Local Municipality | Email: <a href="mailto:jacksonp@beaufortwestmunicipality.co.za">jacksonp@beaufortwestmunicipality.co.za</a> |
|    | Francois Naude     | WC DEA&DP                        | Email: <a href="mailto:Francois.Naude@westerncape.gov.za">Francois.Naude@westerncape.gov.za</a>             |

DFFE Reference: 12/12/201754/1/AM3

3

AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 13 FEBRUARY 2017 (AS AMENDED) FOR THE AUTHORISED BEAUFORT WEST 140MW WIND ENERGY FACILITY (WEF) AND ITS ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERTS LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE

M.S



**forestry, fisheries  
& the environment**

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

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

DFPE Reference: 12/12/20/1784/2/AM3  
Enquiries: Mr Jay-Jay Mpolane  
Telephone: (012) 368 9404, E-mail: [jmpolane@dfpe.gov.za](mailto:jmpolane@dfpe.gov.za)

Mr Eugene Marais  
Trakas Wind Farm (Pty) Ltd  
P.O Box 45063  
**CLAREMONT**  
7735

Telephone Number: (021) 857 4045  
Cell number: (073) 871 5781  
Email Address: [eugene.marais@mainstreammp.com](mailto:eugene.marais@mainstreammp.com)

**PER EMAIL / MAIL**

Dear Mr Marais.

**AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION DATED 13 FEBRUARY 2017 FOR THE PROPOSED TRAKAS 140MW WIND ENERGY FACILITY (WEF) AND ASSOCIATED INFRASTRUCTURE WITHIN THE PRINCE ALBERT LOCAL MUNICIPALITY, IN THE WESTERN CAPE PROVINCE**

The Environmental Authorisation (EA) issued for the above-mentioned application by this Department on 13 February 2017, the first amendment to the EA dated 18 February 2020, second amendment to the EA dated 12 August 2021 and your application for amendment of the EA received by the Department on 8 January 2022 and the acknowledgement letter dated 26 January 2022, refer.

Based on a review of the reason for requesting an amendment to the above second EA, this Department, in terms of Chapter 5 of the Environmental Impact Assessment Regulations, 2014 as amended, has decided to amend the EA dated 13 February 2017 as amended, as follows:

**Amendment 1: Extension**

The activity must commence within a period of five (5) years from the expiry date of the EA dated 13 February 2017. The EA is now extended to 13 February 2027. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made for the activity to be undertaken.

**Reasons for the above-mentioned amendment:**

The proposed extension to the validity period of the EA for the Trakas Wind Farm is required to ensure that the EA does not lapse and prevent the construction of the authorised wind farm. As mentioned above, this EA is still valid and lapses on 13 February 2022, however, this does not provide sufficient time for the IPP to obtain funding and for construction of the project to commence before the EA lapses. Therefore, the extension of the validity period is required. Furthermore, the Wind farm has received Preferred Bidder status as part of the Round 5 Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) and has also become a Strategic Infrastructure Project (SIP).

The Department is aware that the environment changes constantly, as a result it might be significantly different from the one that existed at the time of the issuing of this EA, hence the validity of the EA cannot exceed a

*MS*

*Chief Directorate: Integrated Environmental Authorisations*

**maximum period of 10 years.** Failure to commence with construction activities within the maximum 10-years period, your EA will be deemed to have lapsed and a new application for Environmental Authorisation will have to be lodged. The Environmental Authorisation will not be extended further.

This proposed amendment letter must be read in conjunction with the EA dated 13 February 2017 as amended.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dfie.gov.za](mailto:appeals@dfie.gov.za)

By hand: Environment House  
473 Steve Biko Road  
Arcadia  
**PRETORIA**  
0083 or

By post: Private Bag X447  
**PRETORIA**  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation, or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

*MS*

DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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Chief Directorate: Integrated Environmental Authorisations

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za).

Yours faithfully



**Mr Sabelo Malaza**  
Chief Director: Integrated Environmental Authorisations  
Department of Forestry, Fisheries and the Environment  
Date: 03/02/2020

|     |                    |  |  |
|-----|--------------------|--|--|
| Cc: | Liandra Scott-Shaw | SLR Consulting Africa (South Africa) (Pty) Ltd | E-mail: <a href="mailto:scottshaw@slrconsulting.com">scottshaw@slrconsulting.com</a>             |
|     | Stephen Jacobs     | SLR Consulting Africa (South Africa) (Pty) Ltd | E-mail: <a href="mailto:sjacobs@slrconsulting.com">sjacobs@slrconsulting.com</a>                 |
|     | Francois Naude     | Western Cape DEA:DP                            | E-mail: <a href="mailto:francois.naude@westerncape.gov.za">francois.naude@westerncape.gov.za</a> |



**H. 6: ENVIRONMENTAL AUTHORISATION GRANTED FOR THE PROPOSED 132  
kV ESKOM SWITCHING SUBSTATION  
(DFFE REF: 14-12-16-3-3-2-925-2)**

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**forestry, fisheries  
& the environment**

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

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

DFFE Reference: 14/12/16/3/3/1/2465

Enquiries: Mr Thando Booï

Telephone: (012) 399 9387 E-mail: TBooi@dffe.gov.za

Ms Rebecca Thomas  
South Africa Mainstream Renewable Power Developments (Pty) Ltd  
PO Box 45063  
**CLAREMONT**  
7735

Telephone number: (021) 657 4045  
Cell phone number: (073) 871 5781  
Email Address: rebecca.thomas@mainstreamrp.com

**PER EMAIL / MAIL**

Dear Ms Thomas

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: PROPOSED CONSTRUCTION AND OPERATION OF THE ESKOM 132KV SWITCHING SUBSTATION AND 132KV POWERLINE, NEAR BEAUFORT WEST IN THE PRINCE ALBERT LOCAL MUNICIPALITY, WITHIN THE CENTRAL KAROO DISTRICT IN THE WESTERN CAPE PROVINCE**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

MS

*Chief Directorate: Integrated Environmental Authorisations*

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@environment.gov.za](mailto:appeals@environment.gov.za);

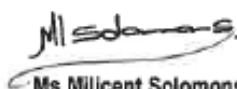
By hand: Environment House  
473 Steve Biko  
Arcadia  
Pretoria  
0083; or

By post: Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@environment.gov.za](mailto:appeals@environment.gov.za).

Yours faithfully



**Ms Millicent Solomons**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: 17/05/2022.

|                        |  |   |
|------------------------|--|---|
| cc: Liandra Scott-Shaw | SLR Consulting Africa (South Africa) (Pty) Ltd | Email: <a href="mailto:lscottshaw@slrconsulting.com">lscottshaw@slrconsulting.com</a> |
|------------------------|--|---|





forestry, fisheries  
& the environment

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

## Environmental Authorisation

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

The proposed construction and operation of the Eskom 132kV Switching Substation and 132kV power line, near Beaufort West in the Prince Albert Local Municipality, in the Western Cape Province

Central Karoo District Municipality

|                                       |  |
|---------------------------------------|--|
| <b>Authorisation register number:</b> | 14/12/16/3/3/1/2465  |
| <b>Last amended:</b>                  | First issue  |
| <b>Holder of authorisation:</b>       | South Africa Mainstream Renewable Power Developments (Pty) Ltd                         |
| <b>Location of activity:</b>          | Portion 1 of the Farm Trakaskuilen No. 15<br>Remainder of the Farm Trakaskuilen No. 15 |

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

5.

Department of Forestry, Fisheries and the Environment  
Environmental Authorisation Reg. No. 14/12/18/3/31/2465

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## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

**South Africa Mainstream Renewable Power Developments (Pty) Ltd**

with the following contact details –

Ms Rebecca Thomas  
PO Box 45063  
**CLAREMONT**  
7735

Telephone number: (021) 657 4045  
Cell phone number: (073) 871 5781  
Email Address: rebecca.thomas@mainstreamrp.com



DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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Department of Forestry, Fisheries and the Environment  
Environmental Authorisation Reg. No. 14/12/18/3/3/1/2465

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

| Activity number   | Activity description  |
|---|---|
| <p><b>Listing Notice 1, Item 11:</b></p> <p><i>"The development of facilities or infrastructure for the transmission and distribution of electricity:</i></p> <p><i>(i) Outside urban areas or industrial complexes with a capacity of more than 33 kilovolts but less than 275 kilovolts"</i></p>  | <p>The proposed site is zoned as Agricultural land which falls outside of an urban area. The infrastructure will include one (1) 33/132kV on-site substation (including control, operation, workshop, storage buildings / areas), medium voltage (maximum 33kV) underground and overhead cables as well as one 132kV overhead power line.</p>   |
| <p><b>Listing Notice 1, Item 12:</b></p> <p><i>"The development of –</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</i></p> <p><i>(a) within a watercourse</i></p> <p><i>(c) if no development setback exists, within 32 meters of a watercourse, measured from the edge of a watercourse"</i></p> | <p>The proposed project will require the placement of linear infrastructure (i.e. internal access road, underground cables and an internal overhead power lines) with a combined physical footprint of more than 100m<sup>2</sup>. As the site consists of a number drainage lines and watercourses, the road and/or power line will cross these watercourses or drainage lines or be within 32m thereof.</p> |
| <p><b>Listing Notice 1, Item 19</b></p> <p><i>"The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse"</i></p>  | <p>The proposed project will involve the construction of internal roads, upgrades to existing roads and laying of underground cables within the project area, which will require the removal and/or infilling of soil from a watercourse in excess of 10m<sup>3</sup>.</p>  |
| <p><b>Listing Notice 1, Item 24</b></p> <p><i>"The development of road with</i></p> <p><i>(ii) a road reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 m"</i></p>  | <p>A temporary road corridor between 8m and 10m will be impacted during the construction phase. This will be rehabilitated after the completion of construction activities, to allow for a permanent 8m – 4m wide</p>   |

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|   | road surface with side drains on one or both sides, where necessary.  |
| <p><b>Listing Notice 1, Item 27:</b></p> <p><i>"The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation is required for</i></p> <p><i>(i) The undertaking of a linear activity, or</i></p> <p><i>(ii) Maintenance purposes undertaken in accordance with a maintenance management plan.</i></p>   | The construction of the proposed onsite substation, will require the clearance of an area of up to approximately 1 hectares (ha) of indigenous vegetation.  |
| <p><b>Listing Notice 1, Item 28:</b></p> <p><i>"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:</i></p> <p><i>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare"</i></p> | The proposed project site is zoned as agricultural land and will continue to be used for agricultural purposes, should the proposed project receive environmental authorisation. A substation and associated power line covering 1ha or more, would form part of the application.   |
| <p><b>Listing Notice 1, Item 56</b></p> <p><i>"The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre</i></p> <p><i>(i) where the existing reserve is wider than 13, 5 meters; or</i></p> <p><i>(ii) where no road reserve exists, where the existing road is wider than 8 metres"</i></p>   | Existing roads will be upgraded where possible. A temporary road corridor between 8m and 10m will be impacted during the construction phase. This will be rehabilitated after the completion of construction activities, to allow for a permanent 8m 4m wide road surface with side drains on one or both sides where necessary. The development will also involve the lengthening of these existing roads (where required) in excess of 1km. |
| <p><b>Listing Notice 3, Item 4</b></p> <p><i>The development of a road wider than 4 metres with a reserve less than 13,5 metres in the</i></p> <p><i>(i) Western Cape</i></p> <p><i>(ii) Within areas outside urban areas and within</i></p> <p><i>(aa) areas containing indigenous vegetation.</i></p>   | A temporary road corridor between 8m and 10m will be impacted during the construction phase. This will be rehabilitated after the completion of construction activities, to allow for a permanent 8m-4m wide road surface with side drains on one (1) or both sides,  |

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|   | <p>where necessary. The site is located outside urban areas, while most of the site constitutes indigenous vegetation in the Western Cape Province. In addition, Critical Biodiversity Areas (CBAs) (namely Aquatic CBAs and CBA 1 areas according to 2017 Western Cape Biodiversity Spatial Plan.</p> <p>In addition, the proposed road is expected to traverse parts of the CBAs, namely an Aquatic CBA and CBA 1 area.</p>                       |
| <p><b><u>Listing Notice 3, Item 12</u></b></p> <p><i>The clearance of an area of 300 square metres or more of indigenous vegetation in the</i></p> <p><i>(i) Western Cape</i></p> <p><i>(ii) Within critical biodiversity areas identified in bioregional plans.</i></p>  | <p>In some areas, development of infrastructure will require the clearance of more than 300m<sup>2</sup> of indigenous vegetation. The project site is located within the Western Cape Province and part of the project site contain Critical Biodiversity Areas (CBAs) according to the 2017 Western Cape Biodiversity Spatial Plan, namely Aquatic CBAs and CBA 1 areas.</p>  |
| <p><b><u>Listing Notice 3, Item 14</u></b></p> <p><i>The development of infrastructure or structures with</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more where such development occurs</i></p> <p><i>(a) within a watercourse; and</i></p> <p><i>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse in the</i></p> <p><i>(i) Western Cape</i></p> <p><i>(ii) outside urban areas within</i></p> <p><i>(ff) critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</i></p> | <p>The development of the substation, internal roads and associated infrastructure will have a physical footprint in excess of 10m<sup>2</sup> and will be located within the Western Cape Province, outside urban areas. In addition, proposed development will be required within and adjacent to watercourses and will also traverse a CBA 1 and Aquatic CBA in certain places according to the 2017 Western Cape Biodiversity Spatial Plan.</p> |

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| <b>Listing Notice 3, Item 18</b>   |  |
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| <p><i>"The widening of a road by more than 4 metres and the lengthening of a road by more than 1 kilometre in the</i></p> <p>(i) Western Cape</p> <p>(ii) all areas outside urban areas</p> <p>(aa) areas containing indigenous vegetation.*</p> | <p>Existing roads will require widening of between 8m and 10m and/or lengthening by more than 1km, to accommodate the movement of vehicles, in areas containing indigenous vegetation. The widening of the roads will take place within the Western Cape Province, outside urban areas, and will require the clearance of indigenous vegetation.</p> |

as described in the Basic Assessment Report (BAR) dated March 2022 at:

**SG 21 Code**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 1 |   |
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| Four corner co-ordinates for the site (Alternative 2) | Latitude      | Longitude     |
|---|---------------|---------------|
| <b>A</b>  | 32°56'8.42"S  | 22°35'17.17"E |
| <b>B</b>  | 32°56'3.15"S  | 22°35'35.37"E |
| <b>C</b>  | 32°56'17.63"S | 22°35'20.90"E |
| <b>D</b>  | 32°56'12.37"S | 22°35'39.11"E |

| Centre point coordinates on-site substation (Alternative 2) | Latitude      | Longitude     |
|---|---------------|---------------|
| <b>A</b>  | 32°56'10.40"S | 22°35'27.70"E |

| Power line corridor co-ordinates (Alternative 2) | Latitude      | Longitude     |
|--|---------------|---------------|
| <b>Start</b>                                     | 32°56'6.25"S  | 22°34'24.56"E |
| <b>End</b>                                       | 32°55'41.73"S | 22°33'24.90"E |

- for the proposed construction and operation of the Beaufort West Wind Farm 33kV/132kV substation and associated infrastructure, near Beaufort West within Ward 2 of Prince Albert Local Municipality of the Central Karoo District Municipality in the Western Cape Province, hereafter referred to as "the property"

The development will comprise the following:

- One 132kV overhead power line;



DRAFT BASIC ASSESSMENT REPORT: Basic Assessment for the proposed construction of a 132 kV overhead transmission powerline between the proposed authorised Eskom 132 kV Switching Station and the proposed authorised Kwagga WEF 3 (i.e., **Kwagga EGI Section 4**), near Beaufort West in the Western Cape Province

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- One 132kV on-site switching substation; and
- A road in the servitude under the proposed power line from the proposed onsite switching substation to an authorised linking station (14-12-16-3-3-2-925-1).

Technical details of the proposed development:

| Component                                   | Description / dimensions  |
|---|---|
| On-site Switching substation                | <ul style="list-style-type: none"> <li>○ Capacity: 33/132 kilovolt (kV)</li> <li>○ Footprint: Approximately 1 hectare (ha)</li> </ul>   |
| Power line                                  | <ul style="list-style-type: none"> <li>○ Capacity: One (1) 132kV overhead power line</li> <li>○ Power line length: Approximately 3.45km in length</li> <li>○ Power line corridor width: 100m (i.e., 100m power line corridor buffer, 50m on either side of centre line)</li> <li>○ An area of up to approximately. 34.5ha (i.e., 3.45km line with 100m power line corridor buffer) has been assessed</li> <li>○ Power line pylons: Monopole or Lattice pylons, or a combination of both (where required).</li> <li>○ Up to approximately 40m</li> </ul> |
| Road in servitude under proposed power line | <ul style="list-style-type: none"> <li>○ Approximately 4-8 meters wide, in servitude under proposed power line.</li> <li>○ Will run from proposed onsite switching substation to authorised linking station ((14-12-16-3-3-2-925-1).</li> </ul>   |
| Water Demand                                | <p><b>Construction</b></p> <ul style="list-style-type: none"> <li>○ Water for Roads – approximately 0.25t per m<sup>2</sup></li> <li>○ Water for Civil Works – approximately 50 000m<sup>3</sup> to build project</li> <li>○ Water for Domestic Use – approximately 30m<sup>3</sup> per day</li> </ul> <p><b>Operation</b></p> <ul style="list-style-type: none"> <li>○ Water for Domestic Use – approximately 2m<sup>3</sup> per day</li> <li>○ Water for Dust Suppression – approximately 15t/m<sup>3</sup></li> </ul>                                |
| Waste Generation                            | <p><b>Construction</b></p> <p>General Waste would be managed on-site in accordance with the principles of the waste management hierarchy. Non-hazardous solid waste components will comprise spoil from construction-related activities, general domestic waste (i.e., wooden pallets, cardboards, etc.) and concrete.</p>  |

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|              |  |
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|              | <p>Hazardous waste will be disposed of at a registered facility, which will provide written confirmation of sufficient capacity to accept any hazardous waste emanating from the development. Effluent would be managed by means of conservancy tanks (cleaned once a month and disposed of at the nearest municipal facility). It is assumed that wastewater for this project will be up to approximately 30m<sup>3</sup> per day.</p> <p><b>Operation</b></p> <p>Effluent would be managed using septic Tanks (16 000ℓ in capacity, which are cleaned 2 / 3 times a week) or a Clarus Fusion System (16 000ℓ capacity which are cleaned once every 6 months), or similar, which utilises a chemical process to recycle water from the O&amp;M Building as well as the substation control room(s). This treated water can then be used to water vegetation.</p> <p>It should be noted that the Municipality will be approached prior to construction commencing to confirm whether they will accept sludge disposal and proof will be kept on record and provided upon request. In addition, treated water will be sampled prior to re-use and records of sampling will also be kept on record and made available upon request.</p> |
| Water Demand | <p><b>During construction:</b></p> <ul style="list-style-type: none"> <li>○ Water for Roads – approx. 0.25ℓ per m<sup>2</sup></li> <li>○ Water for Civil Works – approx. 50 000m<sup>3</sup> to build project</li> <li>○ Water for Domestic Use – approx. 30m<sup>3</sup> per day</li> </ul> <p><b>During operation:</b></p> <ul style="list-style-type: none"> <li>○ Water for Domestic Use – approx. 2m<sup>3</sup> per day</li> <li>○ Water for Dust Suppression – approx. 15ℓ/m<sup>3</sup></li> </ul>   |



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|                         |   |
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| <p>Waste Generation</p> | <p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>○ General Waste would be managed on-site in accordance with the principles of the waste management hierarchy. Non-hazardous solid waste components will comprise spoil from construction-related activities, general domestic waste (i.e., wooden pallets, cardboards, etc.) and concrete.</li> <li>○ Hazardous waste will be disposed of at a registered facility, which will provide written confirmation of sufficient capacity to accept any hazardous waste emanating from the development. Effluent would be managed by means of conservancy tanks (cleaned once a month and disposed of at the nearest municipal facility). It is assumed that wastewater for this project will be up to approximately 30m<sup>3</sup> per day.</li> </ul> <p><b>Operation</b></p> <p>Effluent would be managed using septic tanks (16 000ℓ in capacity, which are cleaned 2 / 3 times a week) or a Clarus Fusion System (16 000ℓ capacity which are cleaned once every 6 months), or similar, which utilises a chemical process to recycle water from the O&amp;M Building as well as the substation control room(s). This treated water can then be used to water vegetation.</p> <p>It should be noted that the Municipality will be approached prior to construction commencing to confirm whether they will accept sludge disposal and proof will be kept on record and provided upon request. In addition, treated water will be sampled prior to re-use, and records of sampling will also be kept on record and made available upon request</p> |
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| Traffic   | It is expected that there will be approximately 2 000 trucks in total over the construction phase, and approximately 10 - 20 trucks per day.  |
| Employment opportunities  | <p><b>Construction</b></p> <p>Several people will be employed for the project, the number of which will be confirmed at a later stage. However, the number of people employed at one (1) time may vary as different contracts and subcontracts on the project are completed at a time on site.</p> <p><b>Operation</b></p> <p>Several people will be employed for the project, the number of which will be confirmed at a later stage, however, this will be far less than during construction. This is due to the fact that the staff will mainly be responsible for the daily operations and maintenance activities of the project.</p> |
| <p>Recruitment for the duration of the project lifecycle will be undertaken in collaboration with local authorities, community leadership structures and agencies and no labourers will be hired onsite. Beaufort West Wind Farm will therefore implement mitigation and management measures to ensure that no employee or job applicant is discriminated against on the basis of race, gender, nationality, age, religion or sexual orientation.</p> |   |



## Conditions of this Environmental Authorisation

### Scope of authorisation

1. Site alternative 2 and Power line corridor Alternative 2 for the proposed construction and operation of the Beaufort West wind farm 33kV/132kV Substation and associated infrastructure, near Beaufort West within ward 2 of Prince Albert Local Municipality of the Central Karoo District Municipality in the Western Cape Province is approved as per the geographic coordinates cited in the table above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant, or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (10) years of the commencement of the activity on site.
9. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.



#### **Notification of authorisation and right to appeal**

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
11. The notification referred to must –
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the Competent Authority for the decision.

#### **Commencement of the activity**

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

#### **Management of the activity**

13. A copy of the final site layout map must be made available for comments to the registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
  - 13.1. One 132kV overhead power line and the coordinates;
  - 13.2. One 132kV on-site switching substation and the coordinates; and
  - 13.3. A road in the servitude under the proposed power line from the proposed onsite switching substation to an authorised linking station; and

- 13.4. All sensitive features and buffer areas i.e. 20m for heritage site, etc.
14. The generic EMPr for the substation and power line appended to the final BAR is not approved and must be amended to include the following:
- 14.1. Signed Part B: Section 2 of the generic EMPr as required and for compliance with the requirements of generic EMPr published by the Department (No 435 of 22 March 2019); and
- 14.2. Signed and dated Generic EMPr by both the contractor and the holder of the EA. The revised generic EMPr must comply with the requirements as mentioned in the generic EMPr published by the Department (No 435 of 22 March 2019); and
- 14.3. The revised generic EMPr must include the final layout map.

#### **Frequency and process of updating the EMPr**

15. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 28 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
16. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
17. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
18. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
19. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

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### Monitoring

20. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 20.1. The ECO must be appointed before commencement of any authorised activities.
  - 20.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
  - 20.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 20.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

### Recording and reporting to the Department

21. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
22. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
23. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
24. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
25. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
26. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

#### **Notification to authorities**

27. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

#### **Operation of the activity**

28. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

#### **Site closure and decommissioning**

29. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

#### **Specific conditions**

30. No activities will be allowed to encroach into a watercourse without a water use authorisation being in place from the Department of Water and Sanitation.
31. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
32. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of protected or endangered plant or animal species.
33. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
34. The entire power line length must be fitted with bird flight diverters.
35. Buffer zone of 20m must be implemented for heritage site, especially around site 005/006.
36. Should archaeological sites or graves be exposed in other areas during construction work, it must immediately be reported to a heritage practitioner so that an investigation and evaluation of the finds can be made.

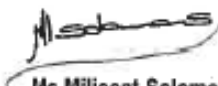
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37. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

#### General

38. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 38.1. at the site of the authorised activity;
  - 38.2. to anyone on request; and
  - 38.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
39. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 17/05/2008



Ms Milicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form and updated application form as well as additional information received on 18 March 2022 and 21 April 2022 respectively.
- b) The email dated 05 May 2022 confirming that the coordinates included in the final BAR is for the entire site and not for the power line route and switching station location as it is not known yet.
- c) The information contained in the BAR dated March 2022.
- d) The comments received from interested and affected parties as included in the BAR dated March 2022.
- e) Mitigation measures as proposed in the BAR and the EMP.
- f) The information contained in the specialist studies contained within the appendices of the BAR dated March 2022 and as appears below:

### 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated March 2022 identified all legislations and guidelines that have been considered in the preparation of the BAR.
- d) The location of the proposed development which avoid identified sensitive areas.
- e) The methodology used in assessing the potential impacts identified in the BAR dated March 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.



### 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

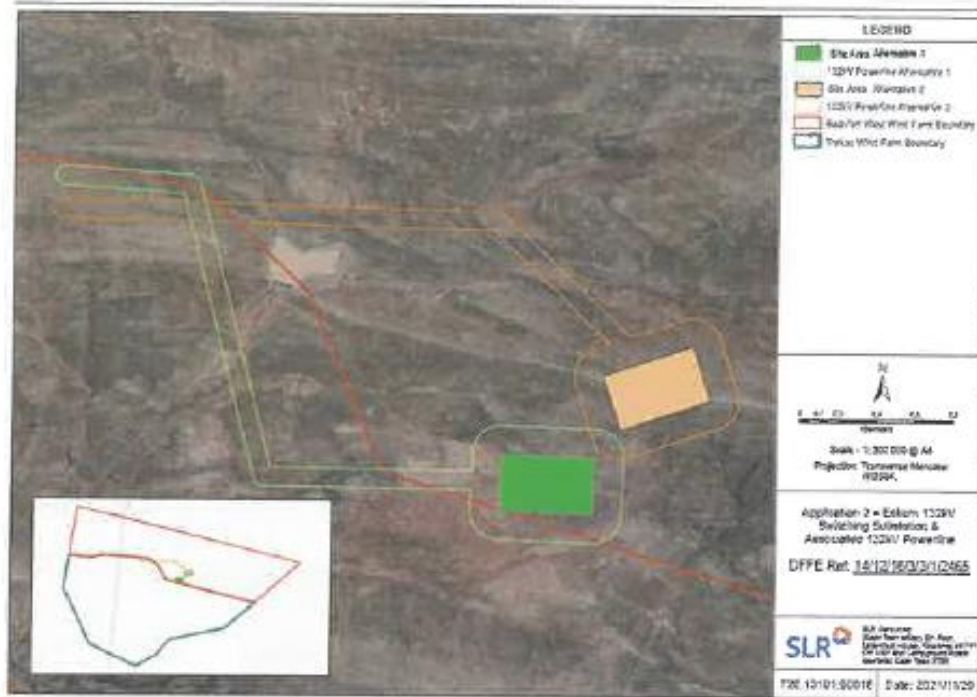
- a) The identification and assessment of impacts are detailed in the BAR dated March 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



Department of Forestry, Fisheries and the Environment  
 Environmental Authorisation Reg. No. 14/12/16/3/3/1/2465

### Layout Map





**forestry, fisheries  
& the environment**

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

Private Bag 1047 PRETORIA 001 Environment House • 473 Steve Biko Road, Arcadia- PRETORIA  
Tel(+27 12) 369 8090

Enquiries: Devnagie Bantamen Telephone: 012 398 9337 E-mail: [ybandamen@dlfe.gov.za](mailto:ybandamen@dlfe.gov.za)

Ms. Milcent Solomons  
Director: Prioritized Infrastructure Projects

Dear Mrs Solomons

**APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS  
FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022**

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms. Devnagie Bantamen  
Deputy Director-General: RCSI (Regulatory Compliance and Sector Monitoring)

Date 20 April 2022

| ACKNOWLEDGEMENT   |            |
|---|------------|
| I ACCEPT / DO NOT ACCEPT  |            |
| appointment as Acting Chief Director: Integrated Environmental Authorizations |            |
| Signature:  |            |
| Date:   | 20/04/2022 |