



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: 14/12/16/3/3/2/2204

Enquiries: Ms Masina Morudu

Telephone: (012) 399 9375 **E-mail:** MEMorudu@dffe.gov.za

Mr Terence Govender
Klipkraal Wind Energy Facility 3 (Pty) Ltd
22 Kildare Road
Newlands
Cape Town
7700

Telephone Number: (021) 674 0304
Email Address: terence@eluenenergy.co.za

PER EMAIL / MAIL

Dear Mr Govender

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE DEVELOPMENT OF THE KLIPKRAAL WIND ENERGY FACILITY (WEF) 3, BESS AND ASSOCIATED INFRASTRUCTURE NEAR FRASERBURG IN THE NORTHERN CAPE PROVINCE

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

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

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.

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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;

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

By post: Private Bag X447
Pretoria
0001

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

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

Yours faithfully



Mr Vusi Skosana
Acting Chief Director: Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment
Date: 22 June 2023

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| cc: | Luvanya Naidoo | SIVEST SA (Pty) Ltd | Email: luvanyan@sivest.co.za |
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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 development of the Klipkraal Wind Energy Facility (WEF) 3, BESS and associated infrastructure near Fraserburg within the Karoo Hoogland Local Municipality in the Northern Cape Province

Namakwa District Municipality

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| Authorisation register number: | 14/12/16/3/3/2/2204 |
| Last amended: | First issue |
| Holder of authorisation: | Klipkraal Wind Energy Facility 3 (Pty) Ltd |
| Location of activity: | Remainder of the Farm Matjesfontein No. 409 (RE/409), Remainder of the Farm Klipfontein No. 447 (RE/44), Portion 1 of the Farm Klipfontein No. 447 (1/447); near Fraserburg in the Karoo Hoogland Local Municipality; Namakwa District Municipality; Northern Cape Province. |

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

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 –

KLIPKRAAL WIND ENERGY FACILITY 3 (PTY) LTD

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Mr Terence Govender
Klipkraal Wind Energy Facility 3 (Pty) Ltd
22 Kildare Road
Newlands
Cape Town
7700

Telephone Number: (021) 674 0304

Email Address: terence@eluenergy.co.za

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 |
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| <p><u>Listing Notice 1, Item 11:</u></p> <p><i>The development of facilities or infrastructure for the transmission and distribution of electricity—</i></p> <p><i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts</i></p> | <p>New switching / collector substations and Main Transmission Substations (MTS) will be constructed as part of the proposed wind farm project. The proposed substations will be located outside urban areas. The switching / collector substations will have capacities of 33/132kV, while the MTS will have capacities of 132/400kV</p> |
| <p><u>Listing Notice 1, Item 12:</u></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>Where such development occurs –</i></p> <p><i>a) within a watercourse or</i></p> <p><i>c) within 32 meters of a watercourse, measured from the edge of a watercourse</i></p> | <p>The proposed wind farm projects will entail the construction of WEF, buildings and other infrastructure (including the 11-66kv/132- 400kv shared on-site substation and BESS) with physical footprints of approximately 100m² or more within a surface water feature / watercourse or within 32m of a surface water feature / watercourse. The infrastructure/ structures associated with the proposed projects will most likely avoid the identified surface water features / watercourses where possible, although some infrastructure or structures will occur within a surface water feature / watercourse and/or within 32m of a surface water feature / watercourse.</p> |
| <p><u>Listing Notice 1, Item 19:</u></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</i></p> <p><i>(i) watercourse.</i></p> | <p>The proposed wind farm project will likely involve the excavation, removal, infilling, depositing and moving of more than 10 cubic metres (m³) of soil, sand, pebbles or rock from some of the identified surface water features / watercourses. Although the layout of the proposed wind farm project will be designed to avoid the identified surface water features / watercourses as far as possible, some of the infrastructure, internal and/or access roads may need to traverse the identified surface water</p> |

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| | features / watercourses. In addition, during construction, soil may need to be removed from some of the identified surface water features / watercourses. |
| <p><u>Listing Notice 1, Item 28:</u></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> | <p>The proposed wind farm project sites are currently zoned for agricultural land use. The proposed wind farm projects will result in special zoning being required, as an area greater than 1ha outside an urban area, will be transformed into industrial / commercial use.</p> |
| <p><u>Listing Notice 1, Item 48:</u></p> <p><i>The expansion of-</i></p> <p><i>(i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; where such expansion occurs—</i></p> <p><i>(a) within a watercourse; or</i></p> <p><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 wind farm projects will most likely entail the expansion (upgrading) of roads and other infrastructure by 100m² or more within a surface water feature / watercourse or within 32m from the edge of a surface water feature / watercourse. Although the layouts of the proposed wind farm projects will be designed to avoid the identified surface water features / watercourses as far as possible, some of the internal and access roads/ services to be upgraded will likely need to traverse the identified surface water features / watercourses and construction will likely occur within some of the surface water features / watercourses and/or be within 32m of some of the surface water features / watercourses</p> |
| <p><u>Listing Notice 1, Item 56:</u></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 metres;</i></p> <p><i>or</i></p> <p><i>(ii) where no reserve exists, where the existing road is wider than 8 metres—</i></p> | <p>Internal access roads will be required to access the wind turbines as well as the respective substations. Existing roads will be used wherever possible, although new roads will be constructed where necessary. The existing access roads might thus need to be upgraded by widening them</p> |

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| | more than 6m, or by lengthening them by more than 1 kilometre (km). |
| <p><u>Listing Notice 2, Item 1:</u></p> <p><i>The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more.</i></p> | <p>The proposed development will entail the construction of a WEF where the respective electricity output will be approximately 300MWac. In addition, the proposed WEF developments will be located outside urban areas.</p> |
| <p><u>Listing Notice 2, Item 15:</u></p> <p><i>The clearance of an area of 20ha or more of indigenous vegetation.</i></p> | <p>The proposed WEF development will involve the clearance of more than 20ha of indigenous vegetation. Clearance will also be required for the proposed substations, internal access roads and other associated infrastructure and buildings.</p> |
| <p><u>Listing Notice 3, Item 4:</u></p> <p><i>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</i></p> <p>g. Northern Cape</p> <p><i>ii. Outside urban areas;</i></p> <p><i>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</i></p> | <p>The development of the WEF facilities and associated infrastructures will require the development of roads wider than 4m with a reserve of less than 13.5m within CBA 2 and an ESA. These roads will occur within the Northern Cape Province, outside urban areas.</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>g. Northern Cape</p> <p><i>ii. Within critical biodiversity areas identified in bioregional plans;</i></p> | <p>The proposed development will entail the construction of the WEF and associated infrastructure (cabling and roads) with physical footprints of approximately 300m² or more within CBA 2 and an ESA. As such, approximately 300m² or more of indigenous vegetation will be cleared as part of the respective proposed developments.</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>The proposed development will entail the development of infrastructure or structures with physical footprints of 10m² or more within a watercourse / surface water feature or within 32m from the edge of a watercourse / surface water</p> |

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| <p>(a) <i>within a watercourse.</i></p> <p>(c) <i>within 32 metres of a watercourse, measured from the edge of a watercourse.</i></p> <p>g. Northern Cape</p> <p>i. <i>Outside urban areas:</i></p> <p>(ff) <i>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>feature. Although the layouts of the respective proposed developments will be designed to avoid the identified surface water features / watercourse as far as possible, some of the infrastructure / structures will need to traverse the identified surface water features / watercourses. The construction of the infrastructure (MV cabling and roads) for the development will occur within CBA 2 and an ESA located outside of urban areas.</p> |
| <p><u>Listing Notice 3, Item 18:</u></p> <p><i>The widening of a road by more than 4 meters, or the lengthening of a road by more than 1 kilometre</i></p> <p>g. Northern Cape</p> <p>ii. <i>Outside urban areas:</i></p> <p>(ee) <i>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</i></p> <p>(ii) <i>Areas within a watercourse or wetland; or within 100m from the edge of a watercourse or wetland.</i></p> | <p>Internal access roads will be required to access the wind turbines as well as the respective substations. Existing roads will be used wherever possible. Internal access roads will thus be widened by more than 4m or lengthened by more than 1km. These roads will occur within the Northern Cape Province, outside urban areas. The widening of the roads will occur within CBA 2 and an ESA and or within 100m from the edge of a watercourse or wetland.</p> |
| <p><u>Listing Notice 3, Item 23:</u></p> <p><i>The expansion of—</i></p> <p>(ii) <i>infrastructure or structures where the physical footprint is expanded by 10 square metres or more; where such expansion occurs—</i></p> <p>(a) <i>within a watercourse;</i></p> <p>(b) <i>in front of a development setback adopted in the prescribed manner; or</i></p> <p>(c) <i>if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse</i></p> <p>g. Northern Cape</p> <p>ii. <i>Outside urban areas:</i></p> | <p>The proposed development will entail the development and expansion of roads and other infrastructure or structures by 10m² or more within a surface water feature / watercourse or within 32m from the edge of a surface water feature / watercourse. Although the layout of the proposed development will be designed to avoid the identified surface water features / watercourses as far as possible, some of the existing internal and access roads will need to traverse some of the identified surface water features / watercourses. The proposed development occurs within CBA 2 and an ESA, and are located outside urban areas.</p> |

(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

as described in the Environmental Impact Assessment Report (EIAR) dated March 2023 at:

SG 21 Code

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| C | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 7 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 7 | 0 | 0 | 0 | 0 | 1 |

| KLIPKRAAL WEF 3 | Point | Latitude | Longitude |
|-------------------------------------|-------|---------------|----------------|
| COORDINATES AT CORNER POINTS | 1 | 32°6'53.214"S | 21°48'40.397"E |
| | 2 | 32°7'6.496"S | 21°48'53.494"E |
| | 3 | 32°7'12.338"S | 21°48'55.253"E |
| | 4 | 32°7'26.085"S | 21°49'1.759"E |
| | 5 | 32°7'43.530"S | 21°49'12.511"E |
| | 6 | 32°7'57.734"S | 21°49'16.529"E |
| | 7 | 32°8'13.032"S | 21°49'28.550"E |
| | 8 | 32°7'59.204"S | 21°49'45.531"E |
| | 9 | 32°7'36.860"S | 21°50'23.194"E |
| | 10 | 32°7'17.833"S | 21°51'35.242"E |
| | 11 | 32°7'12.419"S | 21°51'36.169"E |
| | 12 | 32°6'25.734"S | 21°50'17.780"E |
| | 13 | 32°6'22.855"S | 21°50'12.025"E |
| | 14 | 32°6'17.979"S | 21°50' 5.343"E |
| | 15 | 32°6'35.265"S | 21°49'41.734"E |
| | 16 | 32°6'25.642"S | 21°49'27.989"E |
| COORDINATES AT CENTRE POINT | 17 | 32°7'9.03"S | 21°50'2.61"E |
| KLIPKRAAL WEF 3: SUBSTATION | | | |
| COORDINATES AT CORNER POINTS | 1 | 32°6'21.41"S | 21°50'5.95"E |
| | 2 | 32°6'24.02"S | 21°50'9.83"E |

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| | 3 | 32°6'27.42"S | 21°50'7.35"E |
| | 4 | 32°6'24.57"S | 21°46'58.26"E |
| COORDINATES AT CENTRE POINT | 5 | 32°6'24.27"S | 21°50'6.61"E |
| KLIPKRAAL WEF 3: BESS | | | |
| COORDINATES AT CORNER POINTS | 1 | 32°6'24.59"S | 21°50'3.21"E |
| | 2 | 32°6'27.44"S | 21°50'7.37"E |
| | 3 | 32°6'29.65"S | 21°50'5.78"E |
| | 4 | 32°6'26.63"S | 21°50'1.49"E |
| COORDINATES AT CENTRE POINT | 5 | 32°6'27.04"S | 21°50'4.67"E |
| KLIPKRAAL WEF 3: OFFICES AND BUILDINGS | | | |
| COORDINATES AT CORNER POINTS | 1 | 32°6'25.45"S | 21°49'28.02"E |
| | 2 | 32°6'35.82"S | 21°49'42.65"E |
| | 3 | 32°6'40.75"S | 21°49'37.68"E |
| | 4 | 32°6'30.43"S | 21°49'22.97"E |
| COORDINATES AT CENTRE POINT | 5 | 32°6'33.43"S | 21°49'33.74"E |

- for the development of the Klipkraal Wind Energy Facility (WEF) 3, BESS and associated infrastructure near Fraserburg within the Karoo Hoogland Local Municipality in the Northern Cape Province, hereafter referred to as "the property".

The facility will comprise the following:

- Approximately 60 turbines, between 5MWac and 8MWac, with a maximum export capacity of up to approximately 300MWac. This will be subject to allowable limits in terms of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) or any other program.
- Each wind turbine will have a maximum hub height of up to approximately 200m;
- Each wind turbine will have a maximum rotor diameter of up to approximately 200m;
- Permanent compacted hardstanding areas / platforms (also known as crane pads) of approximately 100m x 100m (total footprint of approx. 10 000m²) per wind turbine during construction and for on-going maintenance purposes for the lifetime of the proposed wind farm projects. This will however depend on the physical size of the wind turbine;
- Each wind turbine will consist of a foundation (i.e. foundation rings) which may vary in depth, from approximately 3m and up to 10m or greater, depending on the physical size of each wind turbine. It should be noted that the foundation can be up to as much as approximately 700m³

- Electrical transformers will be constructed near the foot of each respective wind turbine in order to step up the voltage to 66kV.
- The typical footprint of the electrical transformers is up to approximately 10m x 10m, but can be up to 20m x 20m at certain locations;
- One 11-66/132-400kV step-up / collector substation, each occupying an area of up to approximately 2ha,
- One (1) new 132/400kV Main Transmission Substation (MTS) is being proposed, occupying an area of up to approximately 120ha.
- The wind turbines will be connected to the proposed substation via medium voltage (i.e. 33kV) cables.
- One (1) Battery Energy Storage System (BESS) will be constructed for the wind farm and will be located next to the 33-66/132-400kV step-up / collector substations which form part of the respective wind farms, or in between the wind turbines.
- It is anticipated that the type of technology will be either Lithium Ion or Sodium-Sulphur (or as determined prior to construction).
- Internal roads with a temporary width of up to approximately 15m will provide access to the location of each wind turbine. These roads will be rehabilitated back to 8m once construction has been completed.
- The proposed wind farm application site will be accessed via existing gravel roads from the R353 Regional Route;
- Temporary staging areas will cover an area of up to approximately 100m x 100m (10 000m² / 1ha) each;
- The combined Temporary Construction Camp / Permanent Maintenance Area will cover an area of up to approximately 2.25ha.
- An office (including ablution facilities), accommodation (including ablution facilities), a Visitors' Centre and an Operation & Maintenance (O&M) building will be required and will occupy areas of up to approximately 100m x 100m (i.e. 1ha).

Technical details of the WEF:

| Component | Description / Dimensions |
|---------------------------------|---|
| Location of site (centre point) | 32° 7'9.03"S 21°50'2.61"E |
| Application site area | 820 ha |
| Total Klipkraal WEF area | Approximately 6507ha |
| Turbine development area | Turbine Foundation Area = 45m*32m*60 turbines = 8.6 Ha |
| SG codes | C02600000000040900000 C02600000000044700000 C02600000000044700001 |

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| Export capacity | Up to 300MWac |
| Proposed technology | Wind turbines and associated infrastructure |
| Hub height from ground | Up to 200 m |
| Rotor diameter | Up to 200 m |
| Substation Area | Approximately 2 ha. |
| O&M building area | Approximately 1 ha |
| Temporary staging area | Up to 1 ha |
| Permanent laydown area | To be determined based on final layout |
| Temporary site camp | Up to 2.25ha |
| Hard stand areas | 700m ³ per turbine |
| Width of internal access roads | Approximately 15 m |
| Length of internal access roads | To be confirmed during the detailed design phase |
| Site Access | The Klipkraal WEF 3 development access point is from Road DR02312, bisecting the northern quadrant of the Farm Matjes Fontein No. 409. Road DR02312 is classified as a Class R4 in the RCAM Classification – Rural Collector Road with an average road reserve width of 20m, a gravel surface of ±6m wide, and an average speed of 80 km/h. The Farm Matjes Fontein No. 409 has one (1) existing access point emanating from Road DR02312 at Km 82.51. The access point is located on Road DR02312 within the first 10 m as the road enters the farm, travelling west to east. |
| Proximity to grid connection | Approximately 70km from application site |

Conditions of this Environmental Authorisation

Scope of authorisation

1. The development of the Klipkraal Wind Energy Facility (WEF) 3, BESS and associated infrastructure near Fraserburg within the Karoo Hoogland Local Municipality in the Northern Cape Province 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 (05) 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 by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g., roads. The layout map must indicate that Turbine number 05 and 24 has been moved outside the bat sensitive area which is considered a No-Go area.
14. The Environmental Management Programme (EMPr) submitted as part of the EIAR is not approved and must be amended to include measures as dictated by the final site lay-out map, and the provisions of this environmental authorisation. The EMPr must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final EMPr must be submitted to the Department for written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhered to.
15. The EMPr 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.
16. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
17. 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

18. 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.
19. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
20. 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.
21. 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.
22. 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

23. 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.
 - 23.1. The ECO must be appointed before commencement of any authorised activities.
 - 23.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.

- 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 23.4. 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

- 24. 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.
- 25. 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.
- 26. 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.
- 27. 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.
- 28. 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.
- 29. 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

- 30. 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

31. 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

32. 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

Conditions for Non-operational aspects

33. Turbine number 5 and 24 must be moved away from the bat sensitive area which is considered as a No-Go area.
34. A 40m buffer around any watercourse and a buffer of 100m must be implemented from any of the ephemeral wetlands that have been identified as well as any of the farm dams on the property.
35. Where watercourses must be crossed by access roads or cable infrastructure, the design of these crossings must make provision for adequate hydraulic sizing to prevent any damming on the upstream side of these structures.
36. A Palaeontological Walkdown of the new Klipkraal WEF 3 and associated grid connection infrastructure must be conducted prior to the commencement of construction.
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 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.

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: 22 June 2023



Mr Vusi Skosana

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 received on 16 September 2022.
- b) The information contained in the EIAr dated March 2023.
- c) The comments received from interested and affected parties as included in the EIAr dated March 2023.
- d) Mitigation measures as proposed in the EIAr, Generic EMPr and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the EIAr dated March 2023 and as appears below:

| Title | Prepared by | Date |
|-------------------------------------|---|---------------|
| Agricultural Compliance Statement | Johann Lanz | November 2022 |
| Avifaunal Impact Assessment | Chris van Rooyen Consulting | January 2023 |
| Aquatic Ecological Assessment | GCS Water and Environment (Pty) Ltd | December 2022 |
| Bat Impact Assessment | Werner Marais & Diane Smith | November 2022 |
| Terrestrial Biodiversity Assessment | 3Foxes Biodiversity Solutions | January 2023 |
| Social Impact Assessment | Synergy Global Consulting (Pty) Ltd | November 2022 |
| Visual Impact Assessment | Bapela Cave Klapwijk Land Planning and Design | November 2022 |
| Heritage Impact Assessment | PGS Heritage Pty Ltd | December 2022 |
| Noise Specialist Assessment | Dr Brett Williams (Safetech) | March 2023 |
| Transportation Study | Merchandt Le Maitre (Pr. Tech Eng.) | February 2023 |
| Environmental Management Programme | SiVEST SA (Pty) Ltd | March 2023 |

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 EIAr dated March 2023 identified all legislation and guidelines that have been considered in the preparation of the EIAr.
- d) The location of the proposed wind energy facility.
- e) The methodology used in assessing the potential impacts identified in the EIAr dated March 2023 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.

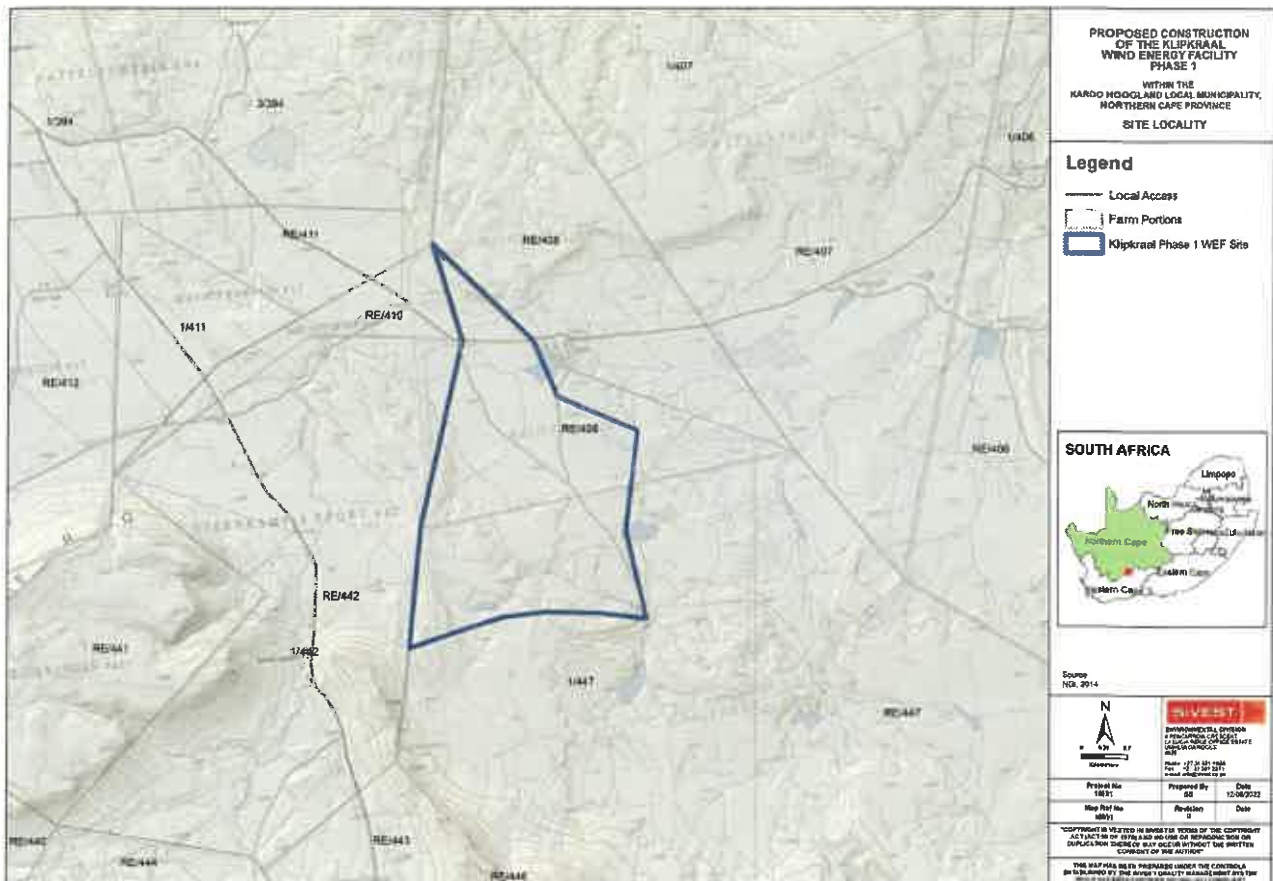
3. Findings

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 March 2023 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 March 2023 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAr and will be implemented to manage the identified environmental impacts during the construction phase.

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

Annexure 2: Locality Plan





forestry, fisheries & the environment

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

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

Ref: Acting Arrangements
Enquiries: Sabelo Malaza
Telephone: 012 3998792 E-mail: smalaza@dffe.gov.za

Mr Vusi Skosana
Director: National Integrated Authorisations

Dear Mr. Skosana
APPOINTMENT AS CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS
(ACTING), FROM 19 JUNE 2023 UNTIL 23 JUNE 2023

I hereby inform you that you have been appointed to act in the post of Chief Director: Integrated Environmental Authorisations from 19 June 2023 until 23 June 2023. Please note that acting arrangements may be terminated by any party giving 24 hours written notification.

All correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorisations must be signed under **Chief Director: Integrated Environmental Authorisations (Acting)** 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).

Yours sincerely

Mr Sabelo Malaza
Deputy Director-General (Acting): RCSM
Date: 14/06/2023

cc: Mr Vusi Skosana
vskosana@dffe.gov.za

ACKNOWLEDGEMENT

I ACCEPT / ~~DO NOT ACCEPT~~

Appointment as Chief Director: Integrated
Environmental Authorisations (Acting)

Signed:

Date: 14 June 2023



Batho pele- putting people first

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