

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

DFFE Reference: 14/12/16/3/3/2/2162 Enquiries: Dr Danie Smit

Telephone: (012) 399 9493E-mail: DSmit@dffe.gov.za

Mr Peter Carl Venn
Emoyeni Renewable Energy Farm
POSTNET SUITE 216
Private Bag X26
Tokai
CAPE TOWN
6001

Telephone Number:

(083) 689 3063

Email Address:

Peter.venn@windlab.com

PER EMAIL / MAIL

Dear Mr Venn

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE PROPOSED DEVELOPMENT OF UMMBILA EMOYENI ELECTRICAL GRID INFRASTRUCTURE, MPUMALANGA 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.

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

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 27 January 2023

cc: Jo-Anne Thomas	Savannah Environmental (Ptv) Ltd	Email: loanne@savannahsa.com



Environmental Authorisation

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

The development of Ummbila Emoyeni Electrical Grid Infrastructure, Mpumalanga Province

Gert Sibande District Municipality

Authorisation register number:	14/12/16/3/3/2/2162	
Last amended:	First issue	
Holder of authorisation:	Emoyeni Renewable Energy Farm	
Location of activity:	Farm 261 – Naudesfontein; Farm 264 –	
	Geluksplaats; Farm 268 – Brak Fontein	
	Settlement; Farm 420 – Rietfontein; Farm 421 –	
	Sukkelaar; Farm 422 – Klipfontein	
	Farm 423 – Bekkerust; Farm 454 – Oshoek Farm 455 – Ebenhaezer; Farm 456 – Vaalba	
	Farm 457 – Roodekrans; Farm 458 –	
	Goedgedacht; Farm 467 – Twee Fontein; Farm	
	469 – Klipkraal; and Farm 548 – Durabel, Within	
	Ward 15 of Govan Mbeki Local Municipality	
	Ward 12 Lekwa Local Municipality, and Ward 8	
	and 10 of Msukaligwa Local Municipality; Gert	
	Sibande District Municipality; Mpumalanga	
	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 –

EMOYENI RENEWABLE ENERGY FARM

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Peter Carl Venn
Emoyeni Renewable Energy Farm
POSTNET SUITE 216
Private Bag X26
Tokai

CAPE TOWN

6001

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Telephone Number:

(083) 689 3063

Email Address:

Peter.venn@windlab.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
Listing Notice 1 Item 11(i):	
"The development of facilities or infrastructure for	The development will include on-site switching
the transmission and distribution of electricity-	stations (Eskom Portion) (132kV in capacity) at
(i) outside urban areas or industrial complexes with	each renewable energy facility and 132kV power
a capacity of more than 33 but less than 275kV.	lines from the switching stations to a new MTS. The
' e t	development will also include a collector substation
i.i.	with 2 x 132kV bus bars and 4 x 132kV IPP feeder
,	bays to onsite IPP substations. The site is located
	outside of urban areas.
Listing Notice 1, Item 12(ii)(a)(c):	
The development of –	The development of the Ummbila Emoyeni EGI will
(ii) Infrastructure or structures with a physical	require the establishment of infrastructure with a
footprint of 100 square metres or more Where such	physical footprint exceeding 100m2. The
development occurs-	development footprint of the MTS will be up to 600m
(a) within a watercourse; or	x 600m. The project site is associated with the
(c) within 32 metres of a watercourse.	presence of freshwater/drainage features
Listing Notice 1, Item 14:	
The development and related operation of facilities	The development and operation of the 400/132kV
and infrastructure, for the storage, or for the storage	MTS and power line will require infrastructure for up
and handling, of a dangerous good, where such	to 80 cubic metres of storage of dangerous goods,
storage occurs in containers with a combined	which will include flammable and combustible liquids
capacity of 80 cubic metres or more but not	such as oils associated with the 400/132kV MTS,
exceeding 500 cubic metres	lubricants and solvents.
Listing Notice 1, Item 19(i)	
The infilling or depositing of any material of more	During the construction phase, more than 10 cubic
than 10 cubic metres into, or the dredging,	metres of rock will be removed from the water features
excavation, removal or moving of soil, sand, shells,	

shell grit, pebbles or rock of more than 10 cubic	for the development of the Ummbila Emoyeni EGI and
metres from a	associated access roads.
(i) Watercourse	
Listing Notice 1, Item 24(ii) The development of a road – (ii) with a reserve wider than 13.5m, or where no reserve exists where the road is wider than 8m.	The construction of the Ummbila Emoyeni EGI will require the construction of new access roads of 12m wide, in areas where no road reserve exists to provide
Listing Notice 1, Item 28(ii)	access to the facility.
Listing Notice 1, Item 28(ii) Residential, mixed, retail, commercial, industrial, or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1ha	The Ummbila Emoyeni EGI (considered to be an industrial development) will be constructed and operated on land currently zoned for agriculture. The development footprint considered is 600m x 600m (i.e., ~36ha) for the establishment of the MTS, 5ha per onsite substation and the power lines (which will be placed within servitudes of between 18m (132kV lines) and 55m (400kV lines). The infrastructure will be located outside an urban area
Listing Notice 1, Item 56(ii) The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre (ii) where no reserve exists, where the existing road is wider than 8 metres	Existing farm roads within the project site may require widening, and access roads will be widened by more than 6 metres.
Listing Notice 2, Item 9 The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex	The capacity of the MTS will be 400kV and the capacity of the loop-in loop-out power line will be 400kV. The infrastructure will be located outside of any urban areas or industrial complexes.
Listing Notice 2, Item 15 The clearance of an area of 20ha or more of indigenous vegetation.	The project will require the clearance of an area of 600m x 600m (i.e., ~36ha) (equivalent to the development footprint of the MTS) of vegetation, as well as vegetation associated with the tower positions

within the power line servitude. The project would therefore result in the clearance of an area of indigenous vegetation greater than 20ha in extent. Listing Notice 3, Item 4(f)(i)(ee): The development of the Ummbila Emoyeni EGI will The development of a road wider than 4 metres with require the development of access roads up to 12m a reserve less than 13.5 metres. wide (to provide direct access to the MTS) and a 4 f. Mpumalanga 6m wide service road under the power line in the i. Outside urban areas: Mpumalanga Province and outside urban areas. The (ee) Critical biodiversity areas as identified in project site is associated with the presence of a CBA1: systematic biodiversity plans adopted by the Optimal (Terrestrial) and a CBA1: Irreplaceable competent authority or in bioregional plans (Freshwater). Listing Notice 3, Item 14(ii)(a)(c)(f)(i)(d d)(ff) The development of Ummbila Emoyeni EGI will The development of require the establishment of infrastructure with a (ii) infrastructure or structures with a physical physical footprint exceeding 10m2. The site is footprint of 10 square metres or more; where such associated with the presence of freshwater/drainage development occursfeatures, a CBA1: Optimal (Terrestrial) and a CBA1: (a) within a watercourse; or Irreplaceable (Freshwater), and is located within the (c) within 32 metres of a watercourse, measured Mpumalanga Province, and outside urban areas. from the edge of a watercourse. Further, parts of the site are located in areas which f. ii. Outside urban areas: could be considered sensitive in terms of the Gert (dd) Sensitive areas as identified in Environmental Management Sibande District environmental management framework as Framework (EMF). contemplated in chapter 5 of the Act and as adopted by the competent authority (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans. Mpumalanga Listing Notice 3, Item 18(f)(i)(ee) The development of the Ummbila Emoyeni EGI will The widening of a road by more than 4 metres, or

the lengthening of a road by more than 1 kilometre.

f. Mpumalanga

require the widening of roads by more than 4m,

outside urban areas, and within areas classified as

i. Outside urban areas:	CBA1: Optimal (Terrestrial) and CBA1: Irreplaceable
(ee) Critical biodiversity areas or ecosystem service	(Freshwater) in the Mpumalanga Province.
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 November2022 at:

- for the for the development Ummbila Emoyeni Electrical Grid Infrastructure, Mpumalanga Province, hereafter referred to as "the property". SG 21-digit codes attached as Annexure 3.

¢	Latitude	Longitude
Site Coordinates (centre of project site)	26°37'3.04"S	29°36'9.18"E
Co-ordinates of the MTS	26°38'38.66"S	29°35'21.91"E
Co-ordinates of the collector Stations	Latitude	Longitude
	26°37'6.51"S	29°35'48.70"E
	26°31'24.23"S	29°35'11.06"E
	26°43'46.50"S	29°40'49.03"E
Co-ordinates of onsite switching stations	Latitude	Longitude
	26°30'37.40"S	29°35'16.67"E
WEF 2	26°35'19.49"S	29°37'37.71"E
WEF 3	26°36'54.24"S	29°36'16.13"E
Solar PV	26°32'41.73"S	29°34'4.22"E
Consideration of municipations	Latitude	Longitude
Coordinates of project site		
Start Point	26°30'39.96"S	29°35'16.01"E
End Point	26°43'41.59"S	29°40'39.88"E

Coordinates of 132KV power lines (the centre of each corridor).

WEF1 OHL	Substation to Collector 2:
	Start: 26°30'36.39"S, 29°35'15.55"E
	Middle: 26°31'0.80"S, 29°35'11.29"E
	End point: 26°31'23.91"S, 29°35'9.06"E
	Collector 2 to Collector 1:
	Start: 26°31'24.51"S, 29°35'9.58"E
	Middle: 26°34'9.14"S, 29°35'53.60"E
	End point: 26°37'1.80"S, 29°35'47.00"E
2	Collector 1 to MTS:
	Start: 26°37'9.83"S, 29°35'53.27"E
	Middle: 26°37'47.15"S, 29°35'29.11"E
	End point: 26°38'32.13"S, 29°35'21.88"
WEF2 OHL	
	Substation to Collector 1:
	Start: 26°35'22.76"S, 29°37'37.25"E
	Middle: 26°36'8.53"S, 29°36'38.04"E
	End point: 26°37'4.04"S, 29°35'51.18"E
	Collector 1 to MTS:
	Start: 26°37'9.83"S, 29°35'53.27"E
	Middle: 26°37'47.15"S, 29°35'29.11"E
	End point: 26°38'32.13"S, 29°35'21.88"E
WEF3 OHL	Substation to Collector 1:
	Start: 26°36'53.51"S, 29°36'13.46"E
	Middle: 26°36'54.90"S, 29°35'59.97"E
	End point: 26°37'4.30"S, 29°35'54.20"E
	Collector 3 to Collector 1:
	Start: 26°43'42.22"S, 29°40'49.00"E
	Middle: 26°40'24.23"S, 29°37'20.70"E
	End point: 26°37'4.73"S, 29°35'56.91"E

	Collector 1 to MTS:
	Start: 26°37'9.83"S, 29°35'53.27"E
	Middle: 26°37'47.15"S, 29°35'29.11"E
	End point: 26°38'32.13"S, 29°35'21.88"E
PV OHL	Substation to Collector 2:
	Start: 26°32'41.36"S, 29°34'3.94"E
	Middle: 26°32'12.29"S, 29°34'56.78"E
	End point: 26°31'23.33"S, 29°35'5.92"E
	Substation to Collector 1:
	Start: 26°32'41.36"S, 29°34'3.94"E
4	Middle: 26°34'43.18"S, 29°35'55.20"E
	End point: 26°37'4.02"S, 29°35'47.54"E
	Collector 1 to MTS:
	Start: 26°37'9.83"S, 29°35'53.27"E
	Middle: 26°37'47.15"S, 29°35'29.11"E
	End point: 26°38'32.13"S, 29°35'21.88"E

Coordinates of 400kV loop-in loop-out to turn into the existing 400kV line

Powerline connection to national grid	Start: 26°38'42.94"S, 29°35'22.16"E
	Middle: 26°38'51.81"S, 29°35'21.40"E
	End point: 26°39'0.34"S, 29°35'20.11"E

Coordinates of the Access Roads along the length of the power line corridor

WEF1 Roads	Substation to Collector 2:
	Start: 26°30'36.39"S, 29°35'15.55"E
	Middle: 26°31'0.80"S, 29°35'11.29"E
	End point: 26°31'23.91"S, 29°35'9.06"E

	Collector 2 to Collector 1: Start: 26°31'24.51"S, 29°35'9.58"E Middle: 26°34'9.14"S, 29°35'53.60"E End point: 26°37'1.80"S, 29°35'47.00"E Collector 1 to MTS: Start: 26°37'9.83"S, 29°35'53.27"E Middle: 26°37'47.15"S, 29°35'29.11"E End point: 26°38'32.13"S, 29°35'21.88"E
WEF2 Roads	Substation to Collector 1: Start: 26°35'22.76"S, 29°37'37.25"E Middle: 26°36'8.53"S, 29°36'38.04"E End point: 26°37'4.04"S, 29°35'51.18"E Collector 1 to MTS: Start: 26°37'9.83"S, 29°35'53.27"E Middle: 26°37'47.15"S, 29°35'29.11"E End point: 26°38'32.13"S, 29°35'21.88"E
WEF3 Roads	Substation to Collector 1: Start: 26°36'53.51"S, 29°36'13.46"E Middle: 26°36'54.90"S, 29°35'59.97"E End point: 26°37'4.30"S, 29°35'54.20"E Collector 3 to Collector 1: Start: 26°43'42.22"S, 29°40'49.00"E Middle: 26°40'24.23"S, 29°37'20.70"E End point: 26°37'4.73"S, 29°35'56.91"E Collector 1 to MTS: Start: 26°37'9.83"S, 29°35'53.27"E Middle: 26°37'47.15"S, 29°35'29.11"E End point: 26°38'32.13"S, 29°35'21.88"E
PV Roads	Substation to Collector 2:

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	Start: 26°32'41.36"S, 29°34'3.94"E
	Middle: 26°32'12.29"S, 29°34'56.78"E
	End point: 26°31'23.33"S, 29°35'5.92"E
	Substation to Collector 1:
	Start: 26°32'41.36"S, 29°34'3.94"E
	Middle: 26°34'43.18"S, 29°35'55.20"E
	End point: 26°37'4.02"S, 29°35'47.54"E
	Collector 1 to MTS:
	Start: 26°37'9.83"S, 29°35'53.27"E
	Middle: 26°37'47.15"S, 29°35'29.11"E
	End point: 26°38'32.13"S, 29°35'21.88"E
	:. .

The grid connection infrastructure will include:

- A new 400/132 kV Main Transmission Substation (MTS), to be located adjacent to the Camden SOL Overhead Lines (OHLs).
- A new collector stations (3): each will comprise several incoming 132 kV lines from each project switching station, feeder bays, 132kV bus bars and outgoing 132kV line to the MTS.
- Two 400kV loop-in loop-out OHLs to the existing Camden-Sol 400kV transmission line.
- On-site switching stations (132kV in capacity) at each renewable energy facility.
- 132kV power lines from the switching stations to the collector substations and ultimately to a new MTS.
- On-site IPP substations where the generated power will be transformed from 33 kV to 132 kV so that it can be evacuated to the Collector stations and MTS.
- Access roads up to 12m wide.

Technical details of the Grid:

Infrastructure	Footprint and Dimensions	
Onsite switching stations	Development footprint: 4 Switching stations of	
	5ha each	
	Capacity: 132kV	
3 x Collector Sub Stations	Development footprint: 300 m x 300 m	

	Capacity: 132 kV
132kV power lines	Servitude width: 31m
	Height: up to 40m
	Length: 40km
	Corridor width for assessment in EIA: 300m
Main Transmission Substation	Development footprint: 600m x 600m
	 Capacity: 400/132kV
	Height: Up to 70m, this would include a
	microwave telecoms tower
Power line connection to national grid	Capacity and circuit: 400kV loop-in loop-out to
	turn into the existing 400kV line.
	 Servitude: 55m per line (i.e. 110m in total)
	Height: Up to 50m
	 Corridor width for assessment in EIA: 600m
Height of the power line towers (pylons	40m
Access and internal roads	Access will likely be via the main road between Bethal
	and Morgenzon. This is the R35, a tarred and provincial
	road. Existing roads on the affected properties will be
	used where feasible and practical to provide direct
	access to the EGI. Where necessary, new access roads
	(up to 12 wide) will be established to provide access to
	the Main Transmission Substation (MTS). During
	construction, a permanent access road along the length
	of the power line corridor (300m wide) 12m wide will be
	established to allow for large crane movement. This track
	will then be utilised for maintenance during operation.

Conditions of this Environmental Authorisation

Scope of authorisation

- 1. The development of Ummbila Emoyeni Electrical Grid Infrastructure, Mpumalanga 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 (05) years of the commencement of the activity on site.

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 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.

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Management of the activity

- 12. A final site layout plan for the power line (with micro-siting of the powerline route and pylon structures) and all mitigation measures as dictated by the final site layout plan, must be submitted to the Department for approval prior to construction. A copy of the final site layout map must be made available for comments to 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. The layout map must indicate the following:
 - 12.1. The final delineation of the centreline of the power line;
 - 12.2. Positions of all infrastructures as approved
 - 12.3. The specific position of the pylon structures and foundation footprints;
 - 12.4. All existing infrastructure on the site, especially roads;
 - 12.5. Any sensitive environmental features that will be affected by the power line; and
 - 12.6. All "no-go" and buffer areas.
- 13. The generic Environmental Management Programme (EMPr) for the substation and generic EMPr for powerline, 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 required as per condition 12 above and the provisions of this environmental authorisation. The generic EMPrs must be made available for comments to registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final generic EMPrs must be submitted to the Department for written approval prior to commencement of the activity.

- 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 to the EIA Regulations applicable at the time.
- 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 24 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 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.
 - 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, taking into account 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.
- 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. 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. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 33. A wetland buffer area of 11 m from the outer edge of wetland features and must be implemented for maintaining the freshwater resource features REC (Recommended Ecological Category) allowing the persistence of the current present ecological status as well as well as their functions and services.
- 34. No development is permitted within the identified no-go areas as detailed in the sensitivity maps
- 35. Anti-collision devices such as bird flappers must be installed where powerlines cross avifaunal corridors.

 The input of an avifaunal specialist must be obtained for the fitting of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged.



- 36. A qualified ecologist must be commissioned to perform a final walk through of the alignment to identify all sensitive features including wetlands, drainage lines and all other watercourses, and protected plant or tree species that may be affected by the construction of the power line. This must inform the determination of the final delineation of the centreline within the assessed corridor as well as optimal pylon positions, as well as the final development layout plan that is to be submitted to the Department for approval as per conditions 12 and 13 above.
- 37. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous, protected or endangered plant or animal species and a copy of such permit/s must be submitted to the Department for record keeping. Copies of the permit/s must be included in the final EMPr to be submitted to this Department for approval before commencement of construction activities.
- 38. 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, SAHRA must be informed, and the services of an accredited heritage professional obtained for an assessment of the heritage resources must be made
- 39. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 40. The holder of the authorisation is required to inform the Department Department of Agriculture Rural Development and Environmental Affairs (DARDEA), Department of Agriculture, Forestry and Fisheries (DAFF) and this Department should the removal of protected species, medicinal plants and "data deficient" plant species be required.
- 41. Vegetation clearing must be kept to an absolute minimum.
- 42. Construction must include design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
- 43. 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).
- 44. Waste, which is not authorised for disposal on site as part of the approved development, must be dealt with according to relevant legislation or the Department's policies and practices.
- 45. The holder of Environmental Authorisation must prevent the occurrence of nuisance conditions or health hazards.
- 46. No effluent must be discharged into any storm water drain or furrow, whether by commission or by omission.

General

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- 47. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 47.1. at the site of the authorised activity;
- 47.2. to anyone on request; and
- 47.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 48. 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: 27 January 2023

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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 13 May 2022.
- b) The information contained in the EIAr dated November 2022.
- c) The comments received from received from SAHRA, Eskom, Town and Regional Planning Govan Mbeki Local Municipality, DWS and interested and affected parties as included in the EIAr dated November 2022.
- d) Mitigation measures as proposed in the EIAr and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the EIAr dated November 2022and as appears below:

Title	Prepared by	Date
Ecological Impact Assessment	Nkurenkuru Ecology and Biodiversity (Pty) Ltd	September 2022
Avifaunal Impact Assessment	Arcus Consulting	September 2022
Bats Impact Assessment	Camissa	June 2022
Soils and Agricultural Potential	the Biodiversity Company	June 2022
Visual Impact Assessment	Environmental Planning & Design CC	August 2022
Socio-Economic impact assessment	Urban-Econ Development Economist (Pty) Ltd	August 2022
Heritage (including Archaeology Palaeontology and Cultural Heritage)	CTS Heritage	August 2022
Traffic Assessment	JG Afrika	September 2022

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 November 2022identified all legislation and guidelines that have been considered in the preparation of the EIAr.
- d) The location of the proposed Electrical Grid Infrastructure.
- e) The methodology used in assessing the potential impacts identified in the EIAr dated November 2022and 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.

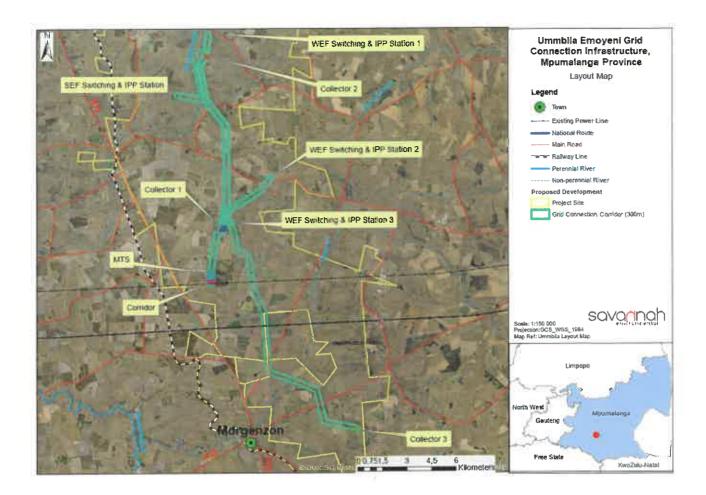
3. Findings

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 November 2022and 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 November 2022 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



Annexure 3: SG Codes

Ummbila Emoyeni EGI Affected Properties and Coordinates

LPI	Farm Name	Farm Number	Portion
T0IS00000000026100015	Naudesfontein	261	15
T0IS00000000026100021	Naudesfontein	261	21
T0IS00000000026400000	Geluksplaats	264	0
T0IS00000000026400010	Geluksplaats	264	1
T0IS00000000026400003	Geluksplaats	264	3
T0IS00000000026400004	Geluksplaats	264	4
T0IS00000000026400005	Geluksplaats	264	5
T0IS00000000026400006	Geluksplaats	264	6
T0IS00000000026400008	Geluksplaats	264	8
T0IS00000000026400009	Geluksplaats	264	9
T0IS00000000026400011	Geluksplaats	264	11
T0IS00000000026400012	Geluksplaats	264	12 ;
T01S00000000026800006	Brak Fontein Settlement	268	6
T0IS00000000026800007	Brak Fontein Settlement	268	7
T0IS00000000026800010	Brak Fontein Settlement	268	10
T0IS00000000026800011	Brak Fontein Settlement	268	11
T0IS00000000026800012	Brak Fontein Settlement	268	12
T0IS00000000042000008	Rietfontein	420	8
T0 S0000000042000009	Rietfontein	420	9
T0IS00000000042000010	Rietfontein	420	10
T0IS00000000042000011	Rietfontein	420	11
T0IS00000000042000012	Rietfontein	420	12
T0IS00000000042000015	Rietfontein	420	15
T0IS00000000042000016	Rietfontein	420	16

LPI	Farm Name	Farm Number	Portion	
T0IS00000000042000018	Rietfontein	420	18	
T0IS00000000042000019	Rietfontein	420	19	
T0 S00000000042000022	Rietfontein	420	22	141
T0IS00000000042000032	Rietfontein	420	32	
T0IS00000000042100002	Sukkelaar	421	2	
T0IS00000000042100002	Sukkelaar	421	2	
T0IS00000000042100007	Sukkelaar	421	7	
T0IS00000000042100009	Sukkelaar	421	9	
T01S00000000042100009	Sukkelaar	421	9	
T0IS00000000042100010	Sukkelaar	421	10	
T0IS00000000042100010	Sukkelaar	421	10	1 7
T0IS00000000042100011	Sukkelaar	421	11	
T0IS00000000042100011	Sukkelaar	421	11	
T0IS00000000042100012	Sukkelaar	421	12	
T0IS00000000042100012	Sukkelaar	421	12	
T0IS00000000042100022	Sukkelaar	421	22	
T0 S00000000042100025	Sukkelaar	421	25	
T0IS00000000042100034	Sukkelaar	421	34	
T0 S00000000042100035	Sukkelaar	421	35	
T0IS00000000042100036	Sukkelaar	421	36	
T0IS00000000042100037	Sukkelaar	421	37	, u v 6
T0IS00000000042100037	Sukkelaar	421	37	
T0 S00000000042100038	Sukkelaar	421	38	
T0IS00000000042100039	Sukkelaar	421	39	
T0IS00000000042100040	Sukkelaar	421	40	
T0IS00000000042100042	Sukkelaar	421	42	
T0IS00000000042100042	Sukkelaar	421	42	
T0IS00000000042200000	Klipfontein	422	0	
T0IS00000000042200002	Klipfontein	422	2	
T0IS00000000042200003	Klipfontein	422	3	
T0IS00000000042200004	Klipfontein	422	4	
T0IS00000000042200005	Klipfontein	422	5	
T0IS00000000042200006	Klipfontein	422	6	

LPI	Farm Name	Farm Number	Portion
T0IS00000000042200007	Klipfontein	422	7
T0IS00000000042200008	Klipfontein	422	8
T0IS00000000042200009	Klipfontein	422	9
T0IS00000000042200010	Klipfontein	422	10
TOIS00000000042200012	Klipfontein	422	12
T0IS00000000042200013	Klipfontein	422	13
ГОІЅ00000000042200014	Klipfontein	422	14
TOIS00000000042200016	Klipfontein	422	16
TOIS00000000042200017	Klipfontein	420	17
Г01S00000000042200018	Klipfontein	422	18
T01S00000000042200019	Klipfontein	422	19
T0IS00000000042200020	Klipfontein	422	20
T0IS00000000042200021	Klipfontein	422	21
T0IS00000000042200022	Klipfontein	422	22
T0IS00000000042200023	Klipfontein	422	23
T0IS00000000042300000	Bekkerust	423	0
T0IS00000000042300001	Bekkerust	423	1
T0IS00000000042300002	Bekkerust	423	2
T0IS00000000042300004	Bekkerust	423	4
T0IS00000000042300005	Bekkerust	423	5
T0IS00000000042300006	Bekkerust	423	6
T0IS00000000042300010	Bekkerust	423	10
T0IS00000000042300011	Bekkerust	423	11
T0IS00000000042300012	Bekkerust	423	12
T0IS00000000042300013	Bekkerust	423	13
T0IS00000000042300014	Bekkerust	423	14
T0IS00000000042300015	Bekkerust	423	15
T0IS00000000042300017	Bekkerust	423	17
T0IS00000000042300019	Bekkerust	423	19
T0IS00000000042300020	Bekkerust	423	20
T01S00000000042300022	Bekkerust	423	22
T0IS00000000042300023	Bekkerust	423	23
T0IS00000000042300024	Bekkerust	423	24

LPI	Farm Name	Farm Number	Portion
T0IS00000000042300025	Bekkerust	423	25
T0IS00000000045200005	Brakfontein	452	5
T0IS00000000045400004	Oshoek	454	4
T0IS00000000045400013	Oshoek	454	13
T0IS00000000045400018	Oshoek	454	18
T0IS00000000045500000	Ebenhaezer	455	0
T0IS00000000045500001	Ebenhaezer	455	1
T0 S00000000045500002	Ebenhaezer	455	2
T0IS00060000045500003	Ebenhaezer	455	3
T0IS00000000045600001	Vaalbank	456	1
T0IS00000000045600002	Vaalbank	456	2
T0IS00000000045600003	Vaalbank	456	3
T0IS00000000045600004	Vaalbank	456	4
T0IS00000000045600007	Vaalbank	456	7
T0IS00000000045600008	Vaalbank	456	8
T0IS00000000045600013	Vaalbank	456	13
T0IS00000000045600015	Vaalbank	456	15
T0IS00000000045600016	Vaalbank	456	16
T0IS00000000045600017	Vaalbank	456	17
T0IS00000000045600018	Vaalbank	456	18
T0IS00000000045600019	Vaalbank	456	19
T01S00000000045700000	Roodekrans	457	0
T0IS00000000045700001	Roodekrans	457	1
T0IS00000000045700004	Roodekrans	457	4
T0IS00000000045700007	Roodekrans	457	7
T0IS00000000045700022	Roodekrans	457	22
T0IS00000000045700023	Roodekrans	457	23
T0IS00000000045700023	Roodekrans	457	23
T0IS00000000045800000	Goedgedacht	458	0
T0IS00000000045800002	Goedgedacht	458	2
T0IS00000000045800004	Goedgedacht	458	4
T0IS00000000045800004	Goedgedacht	458	4
T0IS00000000045800005	Goedgedacht	458	5

LPI	Farm Name	Farm Number	Portion
T0IS00000000045800008	Goedgedacht	458	8
T0IS00000000045800009	Goedgedacht	458	9
T0IS00000000045800010	Goedgedacht	458	10
T0IS00000000045800011	Goedgedacht	458	11
T0IS00000000045800012	Goedgedacht	458	12
Г0 S00000000045800013	Goedgedacht	458	13
T0IS00000000045800014	Goedgedacht	458	14
T0IS00000000045800015	Goedgedacht	458	15
T0IS00000000045800016	Goedgedacht	458	16
T0IS00000000045800017	Goedgedacht	458	17
T0IS00000000045800018	Goedgedacht	458	18
T0IS00000000045800019	Goedgedacht	458	19
T0IS00000000045800021	Goedgedacht	458	21
T01S00000000045800021	Goedgedacht	458	21
T0IS00000000045800022	Goedgedacht	458	22
T0IS00000000045800025	Goedgedacht	458	25
T0IS00000000045800026	Goedgedacht	458	26
T0IS00000000045800027	Goedgedacht	458	27
T0IS00000000045800028	Goedgedacht	458	28
T0IS00000000045800029	Goedgedacht	458	29
T0IS00000000045800031	Goedgedacht	458	31
T0IS00000000045800032	Goedgedacht	458	32
T0IS00000000045800033	Goedgedacht	458	33
T0IS00000000045800034	Goedgedacht	458	34
T0IS00000000045800035	Goedgedacht	458	35
T0IS00000000045800037	Goedgedacht	458	37
T0IS00000000045800039	Goedgedacht	458	39
T0IS00000000046700000	Twee Fontein	467	0
T0IS00000000046700001	Twee Fontein	467	1
T0IS00000000046700004	Twee Fontein	467	4
T0IS00000000046700005	Twee Fontein	467	5
T0IS00000000046700006	Twee Fontein	467	6
T0IS00000000046700007	Twee Fontein	467	7

LPI	Farm Name	Farm Number	Portion
T0IS00000000046700008	Twee Fontein	467	8
T0IS00000000046700010	Twee Fontein	467	10
T0IS00000000046900005	Klipkraal	469	5
T0 S00000000046900006	Klipkraal	469	6
T01S00000000046900007	Klipkraal	469	7
T0IS00000000046900008	Klipkraal	469	8
T0IS00000000054800000	Durabel	548	0
T0IS00000000047000085	Dorpsplaats	470	85
T0IS00000000045100004	Drinkwater	451	4
T0IS00000000045100022	Drinkwater	451	22



Private Bag X447 PRETORIA 0001 Environment House · 473 Steve Biko Road, Arcadia· PRETORIA Tel(+27 12) 399 9000

Enquiries: Devinagie Bendeman Telephone: 012 399 9337 E-mail: vbendeman@dffe.gov.za

Mr. Vusi Skosana

Director: IEA: National Integrated Authorisations

Dear Mr. Skosana

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS FOR THE PERIOD 19 DECEMBER 2022 - 31 JANUARY 2023

I hereby inform you that I have decided to appoint you as Acting Chief Director: Integrated Environmental Authorizations, for the period of 19 December 2022 - 31 January 2023 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 Authorisations 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 Devinagie Bendeman

Deputy Director-General: RCSM (Regulatory Compliance and

Sector Monitoring)

Date: 1 December 2002

ACKNOWLEDGEMENT

I ACCEPT / DO-NOT-ACCEPT appointment as Acting Chief

Director: Integrated Environmental

Authorisations Signed:

Date: 05 December 202