



forestry, fisheries & the environment

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

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

DFFE Reference: 14/12/16/3/3/1/2577

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MTS Wag n Bietjie (Pty) Ltd
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PER EMAIL / MAIL

Dear Mr Morse

PER EMAIL / MAIL

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE PROPOSED CONSTRUCTION OF THE 400KV WAG 'N BIETJIE MAIN TRANSMISSION SUBSTATION (MTS) AND ASSOCIATED INFRASTRUCTURE, DE AAR, 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 fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

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

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

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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@dfre.gov.za

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

By post: Private Bag X447
PRETORIA
0001

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

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

Yours faithfully



Ms Millicent Solomons
Acting Chief Director: Integrated Environmental Authorisations
Department of Forestry, Fisheries & the Environment
Date: 22/11/2022

cc	Susanna Nel	Landscape Dynamics Environmental Consultants (Pty) Ltd	Email: info@landscapedynamics.co.za
	Mr Abie Abrahams	DENC	Email: Abraham.denc@gmail.com
		DENC	Email: bfisher@ncpg.gov.za
	Mr Isak Visser	Emthanjeni Local Municipality	Email: visser@emthanjeni.co.za /
		Emthanjeni Local Municipality	Email: gnyl@emthanjeni.co.za



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

**PROPOSED CONSTRUCTION OF THE 400KV WAG 'N BIETJIE MAIN TRANSMISSION SUBSTATION
(MTS) AND ASSOCIATED INFRASTRUCTURE, DE AAR, NORTHERN CAPE PROVINCE.**

PIXLEY KA SEME DISTRICT MUNICIPALITY

Authorisation register number:	<i>14/12/16/3/3/1/2577</i>
Last amended:	<i>First issue</i>
Holder of authorisation:	<i>MTS Wag n Bietjie (Pty) Ltd</i>
Location of activity:	<i>Within the Remaining Extent of the Farm Wagt en Bittje No 5; the Remaining Extent of Wag 'n Bietjie Annex C No 137; and the Remaining Extent of Vetlaagte No 4, De Aar, within Ward 8 of the Emthanjeni Local Municipality, Northern Cape Province.</i>

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

Decision

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

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

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

Activities authorised

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

MTS WAG 'N BIETJIE (PTY) LTD

with the following contact details –

Mr Warren Morse

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

Activity number	Activity description
<p><u>Listing Notice 1, Item 11:</u> <i>"The development of facilities or infrastructure for the transmission and distribution of electricity-</i> <i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; "</i></p>	<p>The development entails the construction of up to a maximum of five adjacent 132kV overhead powerlines within the assessed 300m wide corridor. The power lines are approximately 3,5km in length.</p>
<p><u>Listing Notice 1, Item 12:</u> <i>"The development of</i> <i>(ii) Infrastructure or structures with a physical footprint of 100 m² or more;</i> <i>Where such development occurs –</i> <i>(a) within a watercourse; or</i> <i>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;."</i></p>	<p>The 132kV powerlines will cross the delineated watercourse for a length of 1,2km (1 200m) and will involve the construction of a service/maintenance road within the servitude with a width not exceeding 8m. The total area affected will ultimately involve 9 600m². The existing access gravel road will cross the delineated watercourse for a length of 0,2km. The road will be upgraded and widened to a maximum of 12m wide. The area that will thus be affected resulting from the access road upgrade will ultimately involve 2 400m².</p>
<p><u>Listing Notice 1, Item 19:</u> <i>"The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse"</i></p>	<p>More than 10m³ will be deposited / removed from a watercourse resulting from construction of the main access road and the service/maintenance road within the 132kV powerline servitude. The exact volumes will be determined during the design phase of the project.</p>
<p><u>Listing Notice 1, Item 24</u> <i>The development of a road—</i> <i>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</i></p>	<p>An approximately 8m wide access road will be constructed for construction and maintenance purposes – this road will be inside the 132kV powerline corridor for its entire length, which is approximately 3,5km. The existing access gravel road of approximately 3km in length</p>

	crosses the delineated watercourse over approximately 0,2km. The entire length of the road will be upgraded and widened to a maximum of 12m wide.
<p><u>Listing Notice 1, item 27</u></p> <p><i>The clearance of an area of 1 hectares of more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for</i></p> <p><i>(i) the undertaking of a linear activity</i></p> <p><i>(ii) maintenance purposes undertaken in accordance with a Maintenance management plan</i></p>	The MTS will be constructed in an area of approximately 10 hectares; thus indigenous vegetation of 1 hectare or more will be removed.
<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><i>excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.</i></p>	The MTS will be constructed in an area of approximately 10 hectares and will be constructed on land recently and currently used for agricultural purposes – mostly for grazing.
<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; or</i></p> <p><i>a) within a watercourse;</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>	Infrastructure (existing gravel access road) of more than 100m ² will be upgraded within a watercourse. The existing access gravel road will cross the delineated watercourse for a length of 0,2km. The road will be upgraded and widened to a maximum of 12m wide. The total area ultimately affected will involve 9 600m ² .
<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>(ii) where no reserve exists, where the existing road is wider than 8 metres;</i></p>	The existing access gravel road will be upgraded and widened to a maximum of 12m wide. Current road width differs between approximately 6 and 8 meters. The length of this road is approximately 3km.

<p><i>excluding where widening or lengthening occur inside urban areas.</i></p>	
<p><u>Listing Notice 2, item 9</u> <i>The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</i> <i>a) temporarily required to allow for maintenance of existing infrastructure;</i> <i>b) 2 kilometres or shorter in length;</i> <i>c) within an existing transmission line servitude; and</i> <i>d) will be removed within 18 months of the commencement of development.</i></p>	<p>A 400kV substation will be constructed outside an urban area. The LILO powerlines will also have a capacity of 400kV.</p>
<p><u>Listing Notice 2, item 15</u> <i>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan</i></p>	<p>The substation will be constructed in an area of approximately 10 hectares, but authorisation is required for 36 hectares to adhere to Eskom requirements. Indigenous vegetation of more than 20 hectares will be removed over time within the total footprint.</p>
<p><u>Listing Notice 3, item 14</u> <i>The development of—</i> <i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</i> <i>where such development occurs—</i> <i>a) within a watercourse;</i> <i>c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</i> <i>excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</i> <i>g. Northern Cape</i></p>	<p>The entire project area falls within an Ecological Support Area (ESA). The 132kV powerline will cross the delineated watercourse for a length of 1,2km (1 200m) and will involve the construction of a service & maintenance road within the powerline servitude corridor with a width not exceeding 8m. The total area affected will ultimately involve 9 600m².</p>

<p>ii. Outside urban areas: (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	
<p><u>Listing Notice 3, item 18</u> The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre. g. Northern Cape ii. Outside urban areas: (ii) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland; or</p>	<p>The existing gravel access road will cross the delineated watercourse for a length of approximately 0,2km. The road will be upgraded and widened to a maximum of 12m wide. The current road differs between 6 and 8 meters in width.</p>

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

SG 21 Code:

C	0	5	7	0	0	0	3	0	0	0	0	0	0	0	5	0	0	0	0	0
C	0	5	7	0	0	0	3	0	0	0	0	0	1	3	7	0	0	0	0	0
C	0	5	7	0	0	0	3	0	0	0	0	0	0	0	4	0	0	0	0	0

Wag n Bietjie MTS Site – 4 corners		Longitude	Latitude
1	10ha MTS West corner	24° 7' 12.39" E	30° 40' 43.56" S
2	10ha MTS North corner	24° 7' 20.47" E	30° 40' 36.23" S
3	10ha MTS East corner	24° 7' 29.42" E	30° 40' 43.19" S
4	10ha MTS South corner	24° 7' 21.29" E	30° 40' 50.54" S

400kV LILO Lines Coordinates		Longitude	Latitude
1	400kV LILO (South) - Line Out	24° 7' 21.65" E	30° 40' 55.64" S
2	400kV LILO	24° 7' 21.63" E	30° 40' 47.52" S
3	400kV LILO	24° 7' 20.09" E	30° 40' 41.37" S
4	400kV LILO	24° 7' 28.72" E	30° 40' 43.56" S
5	400kV LILO (North) - Line In	24° 7' 34.51" E	30° 40' 43.49" S

132kV Double Circuit OHPL 250m Coordinates	Longitude	Latitude
Vetlaagte MTS to Wag-n-Bietjie MTS (132kV) - Vetlaagte MTS (West) (Start Point)	24° 5' 36.67" E	30° 41' 18.20" S
Vetlaagte MTS to Wag-n-Bietjie MTS (132kV) (Middle Point)	24° 6' 33.59" E	30° 41' 2.27" S
Vetlaagte MTS to Wag-n-Bietjie MTS (132kV) - Wag-n-Bietjie MTS (East) (End Point)	24° 7' 12.33" E	30° 40' 36.77" S

Access Road 250m coordinates	Longitude	Latitude
Turn-off (Start Point)	24° 7' 35.39" E	30° 42' 19.58" S
Access Road (Middle Point)	24° 7' 36.92" E	30° 41' 36.06" S
Wag 'n Bietjie MTS entrance (End Point)	24° 7' 18.71" E	30° 40' 48.27" S

- for the proposed construction of the 400kV Wag 'n Bietjie Main Transmission Substation (MTS) and associated infrastructure within the Remaining Extent of the Farm Wagt en Bittje No 5, the Remaining Extent of the Wagt en Bittje No 5; the Remaining Extent of Wag 'n Bietjie Annex C No 137; and the Remaining Extent of Vetlaagte No 4, located near De Aar, within Ward 8 of the Emthanjeni Local Municipality, Northern Cape Province, hereafter referred to as "the property".

The proposed development entails the construction of a 400kV Wag 'n Bietjie Main Transmission Substation (MTS) and associated infrastructure. The technical details of the proposed development are as described below:

Technical details of the proposed grid infrastructure

Component	Description / dimensions
Development footprint (permanent infrastructure)	A 36-hectare site is required by Eskom to be authorised to allow for future expansion of the Main Transmission Substation (MTS). The Wag 'n Bietjie MTS facility will initially have a footprint of approximately 10ha when constructed within this 36ha area.
Main Transmission Substation (MTS)	Capacity: 400kV (including 132 kV voltages) Height of structures: <ul style="list-style-type: none"> • Stringer strain beams: <ul style="list-style-type: none"> ▪ Up to 40m for 400kV yard ▪ Up to 30m for 132kV yard • Associated Infrastructure: <ul style="list-style-type: none"> ▪ Lighting o Fencing

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	<ul style="list-style-type: none"> ▪ Buildings required for control, storage, operations and maintenance • Telecommunication mast up to 50m in height
<p>Loop-In Loop-Out (LiLo)</p>	<ul style="list-style-type: none"> • The connection to the 400/132 kV Wag 'n Bietjie 400kV MTS to the national grid will be made via two, new loop-in loop-out (LILo) configurations. • The portion of the new 400kV overhead power lines of approximately 600m length will tie-in (connect) into the existing Beta-Hydra 1 400kV power line (initial) and the existing Hydra – Perseus 400kV powerline (future). • Assessed corridor authorised • Configuration requires 2 x LILo connections, i.e. 4 x 400 kV connection as follows: <ul style="list-style-type: none"> ▪ 2 x 400 kV connections with 1 x 400kV Wag 'n Bietjie – Beta circuit and 1 x 400 kV Wag 'n Bietjie – Hydra circuit. ▪ 2 x 400kV future connections with 1 x 400kV Wag 'n Bietjie – Perseus and 1 x 400kV Wag 'n Bietjie – Hydra circuit.
<p>132kV MTS Connection Powerlines</p>	<ul style="list-style-type: none"> • There exist different possible connection scenarios for the Wag 'n Bietjie MTS to meet the connection requirements of renewable energy projects within the vicinity of De Aar to the national grid. The connection scenarios are reliant on aspects such as grid capacity, Eskom requirements and the specific requirements of renewable energy projects connecting to the national grid via the MTS. • To cater for the possible connection scenarios the Applicant requires the following connection infrastructure: <ul style="list-style-type: none"> ▪ Up to a maximum of five adjacent 132kV overhead powerlines within the assessed corridor ▪ Approximately 3,5km in length ▪ Powerline height of up to 30m ▪ A 300m wide corridor is applicable
<p>Access and internal roads</p>	<ul style="list-style-type: none"> • The access road to the Wag 'n Bietjie MTS is an existing gravel road which will be upgraded to a maximum width of 12m. The total length of this road is approximately 3km.

	<ul style="list-style-type: none"> • Internal access roads within the MTS site of less than 8m wide will be constructed. • An access route of approximately 6m wide will be constructed inside the 400kV LiLo line servitude. This road will be used for construction and later maintenance purposes. • An approximately 8m wide access road will be constructed for construction and maintenance purposes – this road will be inside the 132kV powerline corridor for its entire length, which is approximately 3,5km.
Laydown area	<ul style="list-style-type: none"> • A temporary construction site area of approximately 14ha directly adjacent to the MTS will be required. • All temporary infrastructure will be removed following the completion of the construction phase, where it is not required for the operation phase. Any unused areas or areas not earmarked for expansion will be rehabilitated.
Storage of diesel	<p>Diesel storage of less than 80m³ for the MTS for the following purposes:-</p> <ul style="list-style-type: none"> • During construction, diesel is required for construction vehicles as well as generators for the construction camp and commissioning whilst waiting for the Eskom grid connection works to be completed • During operations, diesel is required for Operations & Maintenance vehicles at the PV plants but also required for backup diesel generators at the substations. The Generators supply auxiliary power to the substation's protection and communications systems, should there be outages on the grid. This is an Eskom requirement together with a battery room at the substations to act as UPS for these critical systems.
Temporary Services	<p>During the construction phase, temporary ablution facilities will be provided (i.e. chemical toilets) and these facilities will be serviced as required by a licensed service provider (i.e. Sanitree or similar).</p>

Conditions of this Environmental Authorisation

Scope of authorisation

1. The proposed construction of the 400kV Wag 'n Bietjie Main Transmission Substation (MTS) and associated infrastructure within the Remaining Extent of the Farm Wagt en Bittje No 5, the Remaining Extent of the Wagt en Bittje No 5; the Remaining Extent of Wag 'n Bietjie Annex C No 137; and the Remaining Extent of Vetlaagte No 4, located near De Aar, within Ward 8 of the Emthanjeni Local Municipality, Northern Cape Province is approved as per the geographic coordinates cited in the table above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised must only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made for the activity to be undertaken.
8. 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 must not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

Management of the activity

13. The layout map attached as Appendix A of the final BAR dated September 2022 is hereby approved.
14. The Environmental Management Programme (EMPr) and the Generic Environmental Management Programme (GEMPr) submitted as part of the BAR dated September 2022 is approved and 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 with 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 basic assessment 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 because of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
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, considering 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

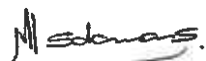
33. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
34. Should any archaeological sites, artefacts, paleontological fossils or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, the South African Heritage Resources Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources.
35. All declared aliens must be identified and managed in accordance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).
36. Anti-collision devices such as bird flappers must be installed where power line cross avifaunal corridors, as recommended by the Ecological specialist.
37. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
38. The protected tree *Boscia albitrunca* must not be removed from project site without the relevant permit.
39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated September 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
40. 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.
41. 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

42. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 42.1. at the site of the authorised activity;
 - 42.2. to anyone on request; and
 - 42.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
43. 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 11 2002



Ms Milicent Solomons

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

Annexure 1: Reasons for Decision

1. Information considered in making the decision

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

- a) The listed activities as applied for in the application form received on 08 July 2022.
- b) The information contained in the BAR dated September 2022.
- c) The comments received from SAHRA, Department of Forestry, Fisheries and the Environment: Biodiversity Section, Department of Forestry, Fisheries and the Environment: IEA, Eskom and interested and affected parties as included in the BAR dated September 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated September 2022 and as appears below:

Title	Prepared by	Date
Terrestrial Ecology Impact Assessment	Dr David Hoare Pr.Sci.Nat. (Botany, Ecology)	16 February 2022, updated 06 May 2022 and 23 September 2022
Aquatic Impact Assessment	Blue Science	January 2022
Avifaunal Impact Assessment	Arcus Consultancy Services South Africa (Pty) Limited- January 2022	January 2022, updated 30 June 2022 and 25 August 2022
Heritage Impact Assessment	CTS Heritage	December 2021, updated 07 April 2022 and 19 August 2022.
Agricultural and Soil Compliance Statement	Johann Lanz	20 December 2021, updated 15 April 2022 and 24 August 2022
Archaeological Impact Assessment	CTS Heritage in association with Savvanah	November 2021
Palaeontological Impact Assessment (Desktop Study)	Prof Marion Bamford	04 December 2021
Palaeontological Impact Assessment	Banzai Environmental (Pty) Ltd	August 2022

2. Key factors considered in making the decision

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

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project ties in with the national government policies, plans, and programmes which have relevance to energy planning and production.
- c) The BAR dated September 2022 identified all legislations and guidelines that have been considered in the preparation of the BAR.
- d) The location of the proposed grid connection which considers environmentally sensitive areas.
- e) The methodology used in assessing the potential impacts identified in the BAR dated September 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken, and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

3. Findings

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

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

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



**forestry, fisheries
& the environment**

Department:
Forestry, Fisheries and the Environment
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Ms. Milicent Solomons
Director: Prioritised Infrastructure Projects

Dear Ms. Solomons

**APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS
FOR THE PERIOD 01 NOVEMBER 2022 – 16 DECEMBER 2022**

I hereby inform you that I have decided to appoint you as Acting Chief Director: Integrated Environmental Authorizations, for the period of 01 November 2022 – 16 December 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental 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: 31 October 2022

ACKNOWLEDGEMENT

I ACCEPT / ~~DO NOT ACCEPT~~
appointment as Acting Chief
Director: Integrated Environmental
Authorisations

Signed:

Date: 31/10/2022.