



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: 14/12/16/3/3/2/2129

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7700

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PER EMAIL / MAIL

Dear Ms Grimbeek

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE PROPOSED HENDRINA RENEWABLE ENERGY COMPLEX: SOUTH GRID INFRASTRUCTURE FOR THE HENDRINA SOUTH WIND ENERGY FACILITY WITHIN THE NKANGALA DISTRICT MUNICIPALITY IN THE 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 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.

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 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.dffe.gov.za/documents/forms#legal_authorisations or request a copy of the documents at appeals@dffe.gov.za.

Yours faithfully



Ms Millicent Solomons
Acting Chief Director: Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment
Date: 05/12/2022.

cc:	Dineo Tswai	Mpumalanga: DARDLEA, Nkangala District	Email: dtswai@mpg.gov.za
	M. Thembu	Steve Tshwete Local Municipality (MP313)	Email: thembi@stlm.gov.za
	Michelle Venter	Cabanga Concepts CC	Email: michelle@cabangaenvironmental.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

The proposed Hendrina Renewable Energy Complex: South Grid Infrastructure for the Hendrina South Wind Energy Facility within the Nkangala District Municipality in the Mpumalanga Province

Authorisation register number:	14/12/16/3/3/2/2129
Last amended:	First issue
Holder of authorisation:	ENERTRAG South Africa (Pty) Ltd
Location of activity:	Substation- Portion 3 of the Farm Dunbar 189IS; Powerline – Portion 3, 1, 6, 7, 4 and 5 of the Farm Dunbar 189IS; Portion 1, 3 and 9 of Wilmansrust 47 IS; Portion 14, 10 ; 4 and 3 of Farm Bultfontein 187 IS; Portion 6 and 7 of Farm Geluk 26 IS; Portion 7 and 11 of Farm Broodsnyersplaats 25 IS; Portion 0 of Komati Power Station 56 IS; in the Steve Tshwete Local Municipality within the 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, 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 –

ENERTRAG South Africa (Pty) Ltd

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

with the following contact details –

Ms Mercia Grimbeek

ENERTRAG South Africa (Pty) Ltd

Suite 104

Albion Springs

183 Main Road

RONDEBOSCH

7700

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

Activity number	Activity description
<u>Listing Notice 1</u>	
<p><u>Listing Notice 1, Item 11(i):</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 Preferred Alternative (Grid Solution 1) will involve the construction of a new substation and powerline with a capacity of 132kV and is located outside an urban area.</p>
<p><u>Listing Notice 1, Item 12(ii)(a)(c):</u> <i>The development of-</i> <i>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</i> <i>where such development occurs-</i> <i>(a) within a watercourse;</i> <i>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;-</i></p>	<p>Cumulatively, the physical footprint of access roads and electrical cabling related to the Electrical Grid Infrastructure will exceed 100m² within delineated watercourses on site, or within 32m of the outer extent of the delineated watercourses on site.</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>The Project will require the erection of tower structures (pylons) and access roads. Tower structures and access roads will traverse watercourses (or drainage lines) necessitating removal of material and infill of material from the watercourse, which will exceed 10m³.</p>

Activity number	Activity description
<p><u>Listing Notice 1, Item 27:</u></p> <p><i>The clearance of an area of 1 hectares or 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; or</i></p> <p><i>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</i></p>	<p>The construction of the on-site substation will require the clearance of indigenous vegetation of more than 1ha but less than 20 ha.</p>
<p><u>Listing Notice 1, Item 28 (ii):</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 Project area falls outside an urban area and the total land that will be affected exceeds 1 ha. Powerlines and substations are regarded as industrial development and parts of the Project site are used for agriculture.</p>
<p><u>Listing Notice 3</u></p>	
<p><u>Listing Notice 3, Item 4 (f) (i) (ee):</u></p> <p><i>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</i></p> <p>f. Mpumalanga</p> <p><i>i. 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>In total, approximately 2km of the Project area overlaps with Critical Biodiversity Areas (CBAs) identified in the Mpumalanga Biodiversity Sector Plan (MBSP). Access and maintenance roads associated with these powerlines will be 4-5m wide and exceed 1km in length to facilitate access. These roads are located outside of urban areas.</p>
<p><u>Listing Notice 3, Item 12 (f) (ii):</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>Powerline route alternatives vary in length depending on the Alternative implemented but will be approximately 16km. The powerline corridor width being assessed is 500m wide (250m on either side of the centre line). Vegetation clearance</p>

Activity number	Activity description
<p>f. Mpumalanga</p> <p><i>ii. Within critical biodiversity areas identified in bioregional plans;</i></p>	<p>will not span the entire length and width of the corridor. Vegetation clearance for powerline construction is minimal. The proposed substation (up to 3Ha) will also require vegetation clearance, but the site alternatives are not located in CBAs. Cumulatively, the construction of the Project will involve the clearance of over 300m² of indigenous vegetation. The Project area overlaps with CBAs identified in the MBSP and is located in Eastern Highveld Grassland (Endangered).</p>
<p><u>Listing Notice 3, Item 14 (ii) (a) and (c), (f) (i) (ff):</u></p> <p><i>The development of-</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</i></p> <p><i>where such development occurs-</i></p> <p><i>(a) within a watercourse;</i></p> <p><i>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</i></p> <p>f. Mpumalanga</p> <p><i>i. Outside urban areas:</i></p> <p><i>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</i></p>	<p>The physical footprint of access roads, stormwater control infrastructure and electrical cabling related to the Electrical Grid Infrastructure will exceed 10m² within delineated watercourses on site, or within 32m of the outer extent of the delineated watercourses on site. Wetlands have been identified on the site, through the National Freshwater Ecosystem Priority Areas (NFEPA) and specialist wetland delineation. The Project area overlaps with CBAs identified in the MBSP.</p>

as described in the Environmental Impact Assessment Report (EIAR) dated August 2022 at:

Substation (Preferred Alternative):

Farm Name	Farm Number	Portion No.	Latitude (S)	Longitude (E)	SG Code
Dunbar	189IS	Portion 3	26°11'58.77 S	29°33'37.08"E	T0IS00000000018900003
			26°11'55.49"S	29°33'39.83"E	
			26°12'5.12"S	29°33'49.27"E	
			26°12'8.17"S	29°33'47.18"E	

Powerline Route Option A (Preferred Alternative):

Farm Name	Farm No.	Ptn No.	Latitude (S)	Longitude (E)	SG Code
Dunbar	189 IS	3	26°11'59.16"S	29°33'45.61"E	T0IS00000000018900003
Dunbar	189 IS	1	26°11'21.56"S	29°33'24.13"E	T0IS00000000018900001
Dunbar	189 IS	6	26°11'17.66"S	29°33'9.65"E	T0IS00000000018900006
Dunbar	189 IS	7	26°10'40.69"S	29°32'23.46"E	T0IS00000000018900007
Dunbar	189 IS	5	26°10'58.04"S	29°32'44.50"E	T0IS00000000018900005
Wilmansrust	47 IS	1	26° 9'24.62"S	29°30'39.22"E	T0IS0000000004700001
Dunbar	189 IS	4	26° 9'41.32"S	29°31'1.64"E	T0IS00000000018900004
Wilmansrust	47 IS	3	26° 9'24.63"S	29°30'39.24"E	T0IS0000000004700003
Wilmansrust	47 IS	9	26 8 50.71"S	29°30'28.51"E	T0IS0000000004700009
Bultfontein	187 IS	14	26° 8'35.29"S	29°30'20.94"E	T0IS00000000018700014
Bultfontein	187 IS	10	26° 8'29.28"S	29°30'13.78"E	T0IS00000000018700010
Bultfontein	187 IS	3	26° 7'57.54"S	29°29'43.17"E	T0IS00000000018700003
Bultfontein	187 IS	4	26° 7'17.13"S	29°29'7.63"E	T0IS00000000018700004
Geluk	26 IS	6	26° 6'47.62"S	29°29'4.47"E	T0IS0000000002600006
Geluk	26 IS	7	26° 5'53.62"S	29°29'11.86"E	T0IS0000000002600007
Broodsnyers plaats	25 IS	7	26° 5'49.82"S	29°29'3.71"E	T0IS0000000002500007
Broodsnyers plaats	25 IS	11	26° 5'45.67"S	29°28'52.91"E	T0IS0000000002500011
Komati Power Station	56 IS	0	26° 5'36.55"S	29°28'31.28"E	T0IS0000000005600000

- for the Proposed Hendrina Renewable Energy Complex: South Grid Infrastructure for the Hendrina South Wind Energy Facility within the Nkangala District Municipality in the Mpumalanga Province, hereafter referred to as "the property".

The facility will comprise the following key infrastructure:

- 1 x substation/switching station;
- 1 x overhead powerline - either single or double circuit;
- Associated infrastructure, including but not limited to: Service/access tracks where required (approximately 4-5m wide)
- Fencing

Technical details of the grid infrastructure:

Option A (preferred) runs south of the existing Camden-Komati 275kV that transverses the site, then east of the Ash Dumps associated with the Komati Power Station, to the existing Komati sub-station. The preferred pylon and powerline will be 132 kV Intermediate Self-Supporting Double Circuit Monopole.

Component	Description/dimensions	
Powerline		
Powerline capacity	132kV	
Powerline corridor length	Up to 16km	
Powerline corridors width	500m (250m on either side of centre line) has been assessed	
Powerline pylons	Monopole or Lattice pylons, or a combination of both where required	
Powerline pylon height	Maximum 40m height	
Powerline span	100m – 400m	
Powerline Route Coordinates	Route A (16km) (Preferred Alternative)	
	Latitude (S)	Longitude (E)
	26° 12' 1.98"S	29° 33' 43.43"E
	26° 11' 59.16"S	29° 33' 45.61"E
	26° 10' 58.04"S	29° 32' 44.50"E
	26° 10' 40.69"S	29° 32' 23.46"E
	26° 9' 24.63"S	29° 30' 39.24"E
	26° 8' 28.00"S	29° 30' 13.40"E
	26° 7' 18.31"S	29° 29' 4.80"E
	26° 7' 17.13"S	29° 29' 7.63"E
	26° 6' 47.62"S	29° 29' 4.47"E
	26° 5' 53.62"S	29° 29' 11.86"E
26° 5' 36.56"S	29° 28' 31.31"E	

Conditions of this Environmental Authorisation

Scope of authorisation

1. The proposed powerline (Route Option A) and substation for the construction of the 132kV line to the Komati substation to connect the proposed Hendrina South WEF to the national grid, in the 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 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 final site layout plan for the up to 16km 132kV power line and substation and all associated infrastructure, as determined by the detailed engineering phase and micro-siting of the power line 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 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 plan 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 plan. Existing infrastructure must be used as far as possible e.g., roads. The layout plan must indicate the following:

- 13.1. The position of the substation;
 - 13.2. The final delineation of the centreline of the power line within the assessed corridor;
 - 13.3. The specific position of the pylon structures and foundation footprints;
 - 13.4. Wetlands, drainage lines, rivers, stream and water crossing of roads and cables;
 - 13.5. All sensitive features e.g. Critical Biodiversity Areas, Ecological Support Areas, heritage sites, wetlands, pans and drainage channels that will be affected by the facility and associated infrastructure;
 - 13.6. All existing infrastructure on the site, such as roads; and,
 - 13.7. All “no-go” and buffer areas.
14. Part C (Site Specific Environmental Attributes) of the Generic Environmental Management Programmes (EMPr's) for the power line, the substation and all associated infrastructure, submitted as Appendix H and I of the EIAR dated August 2022, is not approved. Part C of the respective EMPrs must be amended to include measures as dictated by the final site lay-out map and micro-siting and the provisions of this Environmental Authorisation. Part C of 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 generic EMPrs must be submitted to the Department for written approval of Part C prior to commencement of the activity. Part C of the generic EMPrs must be amended to include the following:
- 14.1. Measures as dictated by the final site lay-out map and micro-siting;
 - 14.2. ENERTRAG Heritage Chance Find Procedure;
 - 14.3. Pre-construction heritage, red list avifauna, protected fauna and flora walkdown of final pylon positions;
 - 14.4. Plant Search Rescue and Relocation Plan
 - 14.5. Alien Invasive Plant Management Plan;
 - 14.6. Stormwater management plan
 - 14.7. Rehabilitation Management Plan;
 - 14.8. A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of 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;

- 14.9. The requirements and conditions of this Environmental Authorisation;
- 14.10. All recommendations and mitigation measures recorded in the EIAR and the specialist reports as included in the final EIAR dated August 2022; and
- 14.11. The final site layout plan.
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 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 28 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
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. An appropriately suitably qualified Terrestrial Ecologist, an Archaeologist, a Palaeontologist and an Avifaunal Specialist must be present for the 'walk-through' of the approved corridor, to identify spans that mitigate the impact of collisions and tower/pylon placements that avoid sensitive vegetation and watercourses.
34. Once the final walkthrough by the relevant specialists have been completed, the final adjustments to the layout plan must be made based on the specialist micro-siting recommendations. Any No-Go Areas within the development sites or servitudes shall be clearly indicated on maps and included with the micro-siting reports or attached to the Generic EMPr's.

35. The 'No-Go area' maps (Appendix E: Maps) must be strictly adhered to. These areas and their respective buffers must be avoided as recommended by the relevant specialist studies.
 36. Exclusion of sensitive ecological, fauna, flora, avifaunal, surface water and heritage areas from construction activities must inform micro siting of all development activities.
 37. Areas outside of the footprint, including sensitive areas and buffer areas, must be clearly demarcated (using fencing and appropriate signage) before construction commences and must be regarded as "no-go" areas.
 38. Heritage:
 - 38.1. All known or suspected burial sites must be clearly demarcated and monitored for the duration of the construction.
 - 38.2. A final heritage walkthrough must be conducted prior to development to identify and mitigate potential impacts to heritage resources
 - 38.3. Avoidance of the graves at 095 and 096 and manage these in-situ with a 30 m buffer. - if this is not possible, SAHRA must be contacted to enable the relocation of the graves.
 - 38.4. The walk down report must be submitted to SAHRA for comment prior to construction. No construction may commence without comments from SAHRA in this regard.
 39. Avifauna:
 - 39.1. Anti-collision devices such as bird flappers must be installed where powerlines cross avifaunal corridors, as recommended by the avifaunal specialist following the walk-through inspection. 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.
 - 39.2. Conduct a pre-construction inspection to identify Red List species that may be breeding within the project footprint to ensure that the impacts to breeding species (if any) are adequately managed.
 - 39.3. Construction activities must be restricted to the immediate footprint of the infrastructure.
 - 39.4. Once the relevant spans have been identified, Bird Flight Diverters must be fitted according to the applicable Eskom Engineering Instruction (Eskom Unique Identifier 240 – 93563150: The utilisation of Bird Flight Diverters on Eskom Overhead Lines). Eskom approved Bird flight diverters should be installed for the full span length on the earthwire (according to Eskom guidelines – five metres apart). Light and dark colour devices must be alternated to provide contrast against both dark and light backgrounds respectively.
 40. 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.
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41. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
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. Component delivery site must be staggered, and trips must be scheduled to occur outside of peak traffic periods.
45. Erosion prevention measures (e.g. grassing) should be implemented along all concrete surface areas (including the foundations of the transmission tower pylons and the substations) where there may be an increase in erosion and sediment being deposited downstream.

General

46. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
 - 46.1. at the site of the authorised activity;
 - 46.2. to anyone on request; and
 - 46.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
47. 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

48. 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: 05/12/2022.



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 amended application form received on 26 August 2022.
- b) The information contained in the EIAR dated August 2022.
- c) The comments received from interested and affected parties as included in the EIAR dated August 2022.
- d) Mitigation measures as proposed in the EIAR dated August 2022 and the generic EMPR's.
- e) The information contained in the specialist studies contained within the appendices of the EIAR dated August 2022 and as appears below:

Title	Prepared by	Date
Site Sensitivity Verification and Agricultural Agro-Ecosystem Specialist Assessment	Johan Lanz	23 May 2022
Surface Water (Hydrology) Assessment Report	Shangoni Management Services (Pty) Ltd - Ockie Scholtz	31 May 2022
Geohydrological Impact Assessment	Shangoni Aquiscience - Ockie Scholtz	16 May 2022
Wetland and Aquatic Ecology Impact Assessment	Stephen Burton	June 2022
Terrestrial Biodiversity Assessment	David Hoare Consulting (Pty) Ltd - Dr David Hoare	12 June 2022
Terrestrial Plant Species Assessment	David Hoare Consulting (Pty) Ltd - Dr David Hoare	8 June 2022
Terrestrial Animal Biodiversity Assessment	David Hoare Consulting (Pty) Ltd - Dr David Hoare	6 June 2022
Avifaunal Impact Assessment	Chris van Rooyen Consulting - Chris van Rooyen (Bird Specialist) & Albert Froneman (Bird and GIS Specialist)	April 2022
Visual Impact Assessment	SIVEST SA (Pty) Ltd - Kerry Schwartz	8 April 2022
Socio-Economic Impact Assessment	Urban-Econ Development Economists - Pierre van Jaarsveld	May 2022
Heritage Impact Assessment	Beyond Heritage - Jaco van der Walt	May 2022
Palaeontological Impact Assessment	Professor Marion Bamford - PhD (Palaeobotany)	17 May 2022

Title	Prepared by	Date
Transport Study	JG Afrika (Pty) Ltd - Iris Wink	May 2022
Geotechnical Desktop Study	SLR Consulting (South Africa) (Pty) Ltd - Muhammad Osman	June 2022
Civil Aviation Compliance Statement	Michelle Venter – Cabanga Environmental	1 July 2022
Site Sensitivity Verification: RFI Theme	Michelle Venter – Cabanga Environmental	1 July 2022
Site Sensitivity Verification: Defence Theme	Michelle Venter – Cabanga Environmental	9 July 2022
Generic EMP: Substation	Cabanga Environmental	August 2022
Generic EMP: Powerline	Cabanga Environmental	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 stems from the provision of electricity to the national grid.
- c) The EIAR dated August 2022 identified all legislation and guidelines that have been considered in the preparation of the EIAR.
- d) The location of the proposed grid infrastructure in relation to the Hendrina Renewable Energy Complex.
- e) The methodology used in assessing the potential impacts identified in the EIAR dated August 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

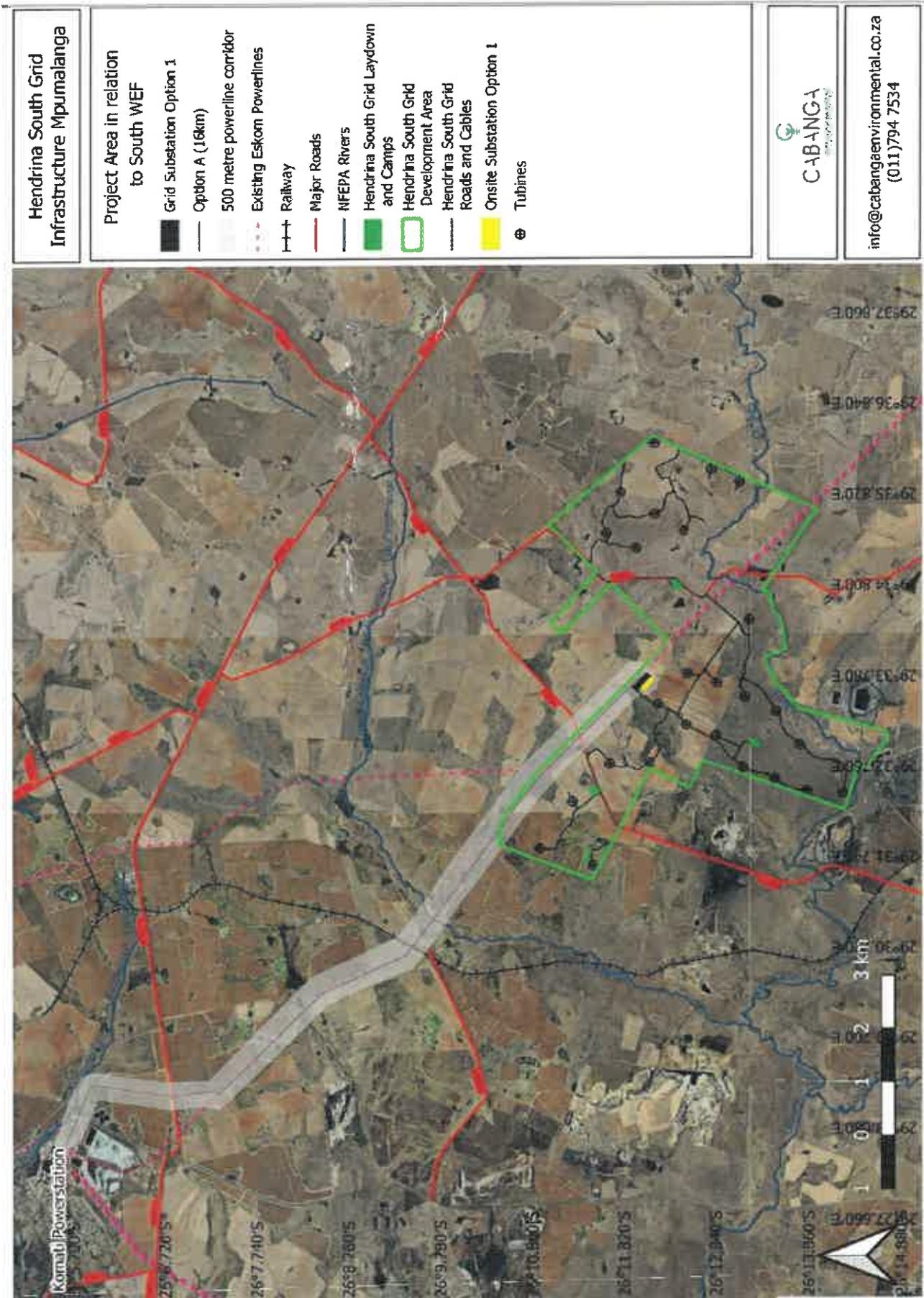
After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIAR dated August 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 information contained in the EIAR dated August 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 dated August 2022 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



Hendrina South Grid
 Infrastructure Mpumalanga

Project Area in relation
 to South WEF

- Grid Substation Option 1
- Option A (16km)
- 500 metre powerline corridor
- Existing Eskom Powerlines
- + Railway
- Major Roads
- NFEPA Rivers
- Hendrina South Grid Laydown and Camps
- Hendrina South Grid Development Area
- Hendrina South Grid Roads and Cables
- Onsite Substation Option 1
- Turbines



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MC



forestry, fisheries & 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.