



# 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: 14/12/16/3/3/1/2366

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Mr Richard Gordon  
Business Venture Investments No. 1733 (Pty) Ltd  
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**CLAREMONT**  
7735

Telephone Number: (021) 670 1423  
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## PER EMAIL / MAIL

Dear Mr Gordon

### **APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: DEVELOPMENT OF THE KOKERBOOM 4 TRANSMISSION LINE AND SWITCHING STATION NEAR LOERIESFONTEIN, IN THE NORTHERN CAPE PROVINCE**

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

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

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

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

*MS*

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

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

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

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

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

By post: Private Bag X447  
Pretoria  
0001

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

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

Yours faithfully



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

Date: 13/10/2021

cc:	Charles Norman	Zutari (Pty) Ltd	Email: <a href="mailto:Charles.Norman@zutari.com">Charles.Norman@zutari.com</a>
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## forestry, fisheries & the environment

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

# Environmental Authorisation

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

The development of the Kokerboom 4 transmission line and switching station near Loerlesfontein in  
the Northern Cape Province

Namakwa District Municipality

<b>Authorisation register number:</b>	14/12/16/3/3/1/2366
<b>Last amended:</b>	First issue
<b>Holder of authorisation:</b>	Business Venture Investments No. 1733 (Pty) Ltd
<b>Location of activity:</b>	Remainder of Farm Sous No 226 and Remainder of Farm Aan De Karree Doorn Pan No 213 in ward 5 of Hantam Local Municipality in the Namakwa District Municipality in Northern Cape Province

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

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## Decision

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

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

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

## Activities authorised

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

### **BUSINESS VENTURE INVESTMENTS NO. 1733 (PTY) LTD**

with the following contact details –

Mr Richard Gordon

Business Venture Investments No. 1733 (Pty) Ltd

PO Box 23101

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Telephone Number: (021) 670 1423

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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
<p><b>Listing Notice 1, Item 11(i):</b></p> <p><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 proposed 132kV overhead transmission line would connect the proposed Kokerboom 4 Wind Energy Facility (WEF) to the Khobab Substation. A 132kV switching station will be constructed at the start of the transmission line. The transmission line is proposed within a rural area. Kokerboom 4 Transmission line is ≈2km.</p>
<p><b>Listing Notice 1, Item 27:</b></p> <p><i>"The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</i>  <i>(i) undertaking of a linear activity; or</i>  <i>(ii) maintenance purposes undertaken in accordance with a maintenance management plan"</i></p>	<p>Ground and vegetation clearance would be required for the switching station (1.5ha) and temporary laydown area (~0.25ha) which will trigger this activity. The transmission line is considered a linear activity and therefore would not be applicable.</p>
<p><b>Listing Notice 1, Item 28:</b></p> <p><i>"Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 1 April 1998 and where such development:</i>  <i>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 ha"</i></p>	<p>The proposed switching station is considered to constitute "industrial development". The proposed farms on which the infrastructure is proposed are zoned as agricultural land. The proposed farm portions on which the project is proposed are being used for livestock grazing (mostly sheep). Switching station footprint of up to 1,5ha.</p>
<p><b>Listing Notice 3, Item 18:</b></p> <p><i>"The widening of a road by more than 4 m, or the lengthening of a road by more than 1 km.</i>  <i>(g) Northern Cape</i>  <i>(ii) Outside urban areas:</i></p>	<p>Access tracks for the proposed development will include extensions of existing Khobab Substation/WEF tracks by more than one kilometre within 100m from the edge of a watercourse (pan).</p>

<i>(ii) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland"</i>	Existing roads would be used as far as practically possible and feasible, and but would likely not require widening by more than 4 m.
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as described in the Basic Assessment Report (BAR) dated 19 August 2021 at:

**SG 21 Code**

C	0	1	5	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0
C	0	1	5	0	0	0	0	0	0	0	0	0	2	2	6	0	0	0	0	0

Switching station	Longitude	Latitude
<b>Centre coordinates</b>	19° 32' 38.616"E	30° 25' 11.291" S

No	Coordinates	Longitude	Latitude
1		19° 33' 18.36" E	30° 26' 1.788" S
2		19° 33' 15.228" E	30° 25' 57.72" S
3		19° 33' 12.096" E	30° 25' 53.688" S
4		19° 33' 8.928" E	30° 25' 49.656" S
5		19° 33' 5.796" E	30° 25' 45.624" S
6		19° 33' 2.664" E	30° 25' 41.556" S
7		19° 32' 59.532" E	30° 25' 37.524" S
8		19° 32' 56.4" E	30° 25' 33.492" S
9		19° 32' 53.268" E	30° 25' 29.424" S
10		19° 32' 50.136" E	30° 25' 25.392" S
11		19° 32' 46.968" E	30° 25' 21.36" S
12		19° 32' 43.836" E	30° 25' 17.328" S
13		19° 32' 40.704" E	30° 25' 13.26" S
14		19° 32' 38.868" E	30° 25' 10.884" S

- for the development of the Kokarboom 4 transmission line and switching station on the Remainder of the Farm Sous No 226 and Remainder of Farm Aan De Karree Doom Pan 213 In ward 5 of Hantam Local Municipality in the Namakwa District Municipality in Northern Cape Province, hereafter referred to as "the property".

The development will comprise the following:

Component	Description / dimensions
<b>Overhead Powerline (OHL)</b>	132kV single- or double-circuit extending from the Kokerboom 4 switching station to the Khobab Substation that connects to the Eskom Hellos MTS.  OHL will be located within a servitude of up to 32m wide to be positioned within a 300m wide corridor (a 300m wide corridor assessed as part of this BA to allow micro-sitting).
<b>OHL Pylons</b>	Structures will be up to 32m tall  Monopole (self-supporting or stayed) and/or lattice may be used.  Disturbance footprint per pylon of up to 10m by 10m (100m <sup>2</sup> ).
<b>OHL footprint</b>	Length ≈2km  Construction road / service track (jeep track) diameter ≈4m (or less)  OHL footprint 0.8ha (2km x 4m)  Number of pylons (based on average 150m average between pylons) ≈16  Pylon's disturbance footprint 0,16ha (16 x 100m <sup>2</sup> ).
<b>Kokerboom 4 Switching Station</b>	Kokerboom 4 Switching to be located within the 5ha WEF Facility substation and  Operational and Management (O&M) complex (the latter is part of the Kokerboom 4 WEF EIA process).
<b>Switching station coordinates</b>	30° 25' 11.291"S  19° 32' 38.616"E
<b>Switching station footprint</b>	Footprint of up to 1,5ha (100m wide and 150m long)
<b>Laydown Areas</b>	Temporary laydown area of ≈2500m <sup>2</sup> will be required at the switching station.
<b>Site Access</b>	The existing approved access roads to the Khobab WEF and substation as well as proposed Kokerboom 4 WEF access roads will be used to access the grid connection infrastructure. A service track (jeep track) will be required along the OHL route for construction and maintenance purposes

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The development of the Kokerboom 4 transmission line and switching station on the Remainder of the Farm Sous No 226 and Remainder of Farm Aan De Karree Doorn Pan 213 in Ward 5 of Hantam Local Municipality in the Namakwa District Municipality in 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 may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (05) years of the commencement of the activity on site.
9. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.



**Notification of authorisation and right to appeal**

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

**Commencement of the activity**

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

**Management of the activity**

13. The Generic Environmental Management Programme (EMPr) and layout plan submitted as part of the BAR dated 19 August 2021 is approved and must be implemented and adhered to.

**Frequency and process of updating the EMPr**

14. 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.

15. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
16. 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.
17. 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.
18. 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

19. 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.
  - 19.1. The ECO must be appointed before commencement of any authorised activities.
  - 19.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
  - 19.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 19.4. 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**

20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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**

26. 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**

27. 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.

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### **Site closure and decommissioning**

28. 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**

29. No activities will be allowed to encroach into a watercourse without a water use authorisation being in place from the Department of Human Settlement, Water and Sanitation.
30. An avifaunal specialist must conduct a walk-through prior to implementation of the development to demarcate sections of power line that need to be marked with Eskom approved bird flight diverters.
31. The bird flight diverters must be installed on the full span length on the earth wire as per the Eskom guidelines.
32. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
33. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of protected or endangered plant or animal species.
34. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
35. Should archaeological sites or graves be exposed in other areas during construction work, it must immediately be reported to a heritage practitioner so that an investigation and evaluation of the finds can be made.
36. 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**

37. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 37.1. at the site of the authorised activity;

- 37.2. to anyone on request; and
- 37.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
38. 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: 13/10/2021



**Mr Sabelo Malaza**

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

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

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

- a) The listed activities as applied for in the application form and updated application form received on 09 July 2021 and 19 August 2021 respectively.
- b) The information contained in the BAR dated 19 August 2021.
- c) The comments received from interested and affected parties as included in the BAR dated 19 August 2021.
- 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 19 August 2021 and as appears below:

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

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

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 19 August 2021 identified all legislations and guidelines that have been considered in the preparation of the BAR.
- d) The location of the proposed development which avoid identified sensitive areas.
- e) The methodology used in assessing the potential impacts identified in the BAR dated 19 August 2021 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

### **3. Findings**

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

- a) The identification and assessment of impacts are detailed in the BAR dated 19 August 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The 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.

## Annexure 2: Locality map

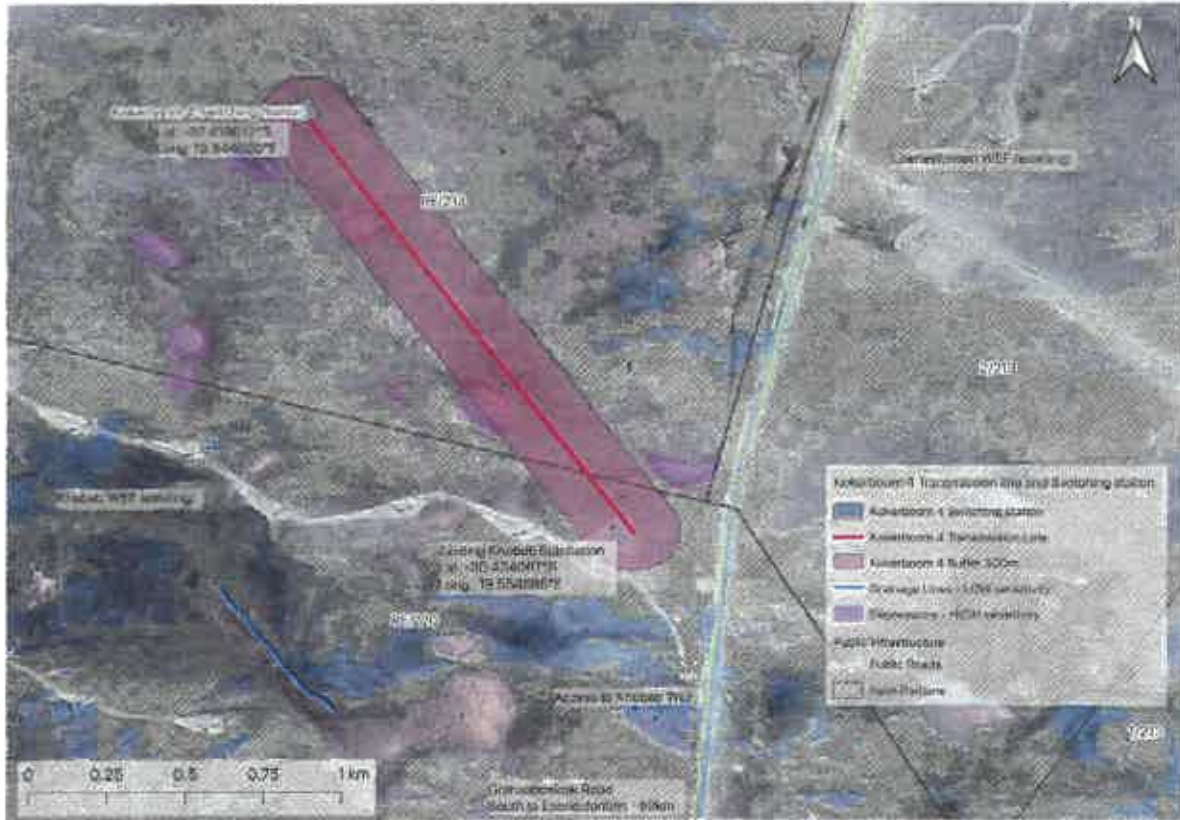


Figure: Layout of the Kokerboom 4 transmission line and switching station.

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