



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/2/1056

Enquiries: Ms Bathandwa Ncube

Telephone: 012 399 9368 E-mail: [BNcube@environment.gov.za](mailto:BNcube@environment.gov.za)

Mr David Tunnicliff  
Eskom Holdings (SOC) Ltd  
P O Box 1091  
**JOHANNESBURG**  
2000

Tel : 011 800 5145

Email : [tunnicda@eskom.co.za](mailto:tunnicda@eskom.co.za)

### PER MAIL / E-MAIL

Dear Mr Tunnicliff

### APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED, GN R.982/983/984/985, AS AMENDED, THE DEVELOPMENT OF THE MOOKODI-MAHIKENG 400KV POWERLINE, NORTH WEST 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 (I&APs), in writing and within 14 (fourteen) days of the date of this EA, of the Department's 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, 2000 (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, 2013 (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, 1998 (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:**

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

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

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

**By post:** Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the NEMA, 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 any activity authorised in the EA 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 [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za).

Yours faithfully



**Mr Sabelo Malaza**  
**Chief Director, Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

**Date:** 26/11/2018

cc:	Nemai Consulting	Kristy Robertson	Tel: 011 781 1730	Email: <a href="mailto:kristyr@nemai.co.za">kristyr@nemai.co.za</a>
	NWREAD	Motshabi Mohlalisi	Tel: 014 597 3597	Email: <a href="mailto:mmohlalisi@nwpg.gov.za">mmohlalisi@nwpg.gov.za</a>
	Naledi Local Municipality	Mpho Talane	Tel: 073 645 6576	Email: <a href="mailto:talnem@naledi.local.gov.za">talnem@naledi.local.gov.za</a>
	Kagisano-Molopa LM	Boitumelo Kebothale nee Gwambe	Tel: 078 292 9795	Email: <a href="mailto:bmgwambe@live.com">bmgwambe@live.com</a>
	Ratlou Local Municipality	Goven Hlekani	Tel: 083 409 4809	Email: <a href="mailto:ghlekani@yahoo.com">ghlekani@yahoo.com</a>
	Mahikeng Local Municipality	Lethogonolo Segomotso	Tel: 018 389 0111	Email: <a href="mailto:david.segomotso@mafikeng.gov.za">david.segomotso@mafikeng.gov.za</a>





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

# Environmental Authorisation

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

### DEVELOPMENT OF THE MOOKODI-MAHIKENG 400KV POWER LINE, NORTH WEST PROVINCE.

Dr. Ruth Segomotsi Mompati District Municipality

Ngaka Modiri Molema District Municipality

<b>Authorisation register number:</b>	<i>14/12/16/3/3/2/1056</i>
<b>Last amended:</b>	<i>First issue</i>
<b>Holder of authorisation:</b>	<i>Eskom Holdings SOC Limited</i>
<b>Location of activity:</b>	<i>NORTH WEST PROVINCE: Naledi; Kagisano-Molopa; Ratlou and Mahikeng Local Municipalities.</i>

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

## Decision

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

Non-compliance with a condition of this environmental authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 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, 1998 (Act No.107 of 1998) and the Environmental Impact Assessment Regulations, 2014 as amended, the Department hereby authorises –

### **ESKOM HOLDINGS SOC LIMITED**

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

with the following contact details –

Mr David Tunnickliff

Eskom Holdings SOC Limited

P. O. Box 1091

**JOHANNESBURG**

2000

Tel: 011 800 5145

Email: [tunnicka@eskom.co.za](mailto:tunnicka@eskom.co.za)

to undertake the following activities (hereafter referred to as “the activity”) indicated in Listing Notice 1, 2 and 3 (GN R.983, R.984 and R.985), of the 2014 EIA Regulations (as amended by GN R.327, R.325 and R.324 of 07 April 2017):

Listed activities	Activity/Project description
<p><b><u>Item 12 (ii)(a) of GN R. 983 (as amended):</u></b></p> <p>The development of—</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs—</p> <p>(a) within a watercourse;</p>	<p>A few of the proposed tower structures may fall within watercourses.</p> <p>The type of towers to be used by Eskom are determined after the walk-down survey has been completed by the Specialists which is usually done only when a route is authorised by DEA so that the tower positions can be determined. However, the maximum footprint of the proposed towers can be provided at this stage, and this is based on if a cross-rope suspension tower type is used:</p> <ul style="list-style-type: none"> <li>• <b>80m (anchor width) x 50m (tower length) = 4000 square metres for one tower.</b></li> <li>• Towers are spaced approximately 350m to 450m apart. Therefore for a 180km power line, there would be approximately 515 to 400 towers.</li> <li>• Thus the total project footprint for all towers would be between 1 600 000 to 2 060 000 square metres.</li> </ul>
<p><b><u>Item 19 of GN R. 983 (as amended):</u></b></p> <p>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,</p>	<p>A few of the proposed tower structures may fall within watercourses and will involve the removal of soil within a watercourse of more than 10 cubic</p>

Listed activities	Activity/Project description
<p>pebbles or rock of more than 10 cubic metres from a watercourse.</p>	<p>metres.</p> <p>The type of towers to be used by Eskom are determined after the walk-down survey has been completed by the Specialists which is usually done only when a route is authorised by DEA so that the tower positions can be determined. However, the maximum footprint of the proposed towers can be provided at this stage, and this is based on if a cross-rope suspension tower type is used:</p> <ul style="list-style-type: none"> <li>• <b>80m (anchor width) x 50m (tower length) = 4000 square metres for one tower.</b></li> <li>• Towers are spaced approximately 350m to 450m apart. Therefore for a 180km power line, there would be approximately 515 to 400 towers.</li> <li>• Thus the total project footprint for all towers would be between 1 600 000 to 2 060 000 square metres.</li> </ul>
<p><b>Item 30 of GN R. 983 (as amended):</b>                      Any process or activity identified in terms of Section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).</p>	<p>Possible occurrence of sensitive biodiversity features at affected areas.</p>
<p><b>Item 9 of GN R. 984 (as amended):</b>                      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</p>	<p>The project involves the proposed construction of a 400kV power line (outside the urban edge), 180km in length.</p>

Listed activities	Activity/Project description
<p>distribution of electricity where such bypass infrastructure is —</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>(d) will be removed within 18 months of the commencement of development.</p>	
<p><b><u>Item 12(h)(iv; v; vi) of GN R. 985 (as amended):</u></b></p> <p>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.</p> <p>h. North West:</p> <p>iv. Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority;</p> <p>v. Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>or</p> <p>vi. Areas within a watercourse or wetland, or within 100 metres from the edge of a watercourse or wetland.</p>	<p>The proposed development will require the clearance of more than 300 square metres within sensitive areas such as threatened ecosystems, watercourses, CBAs and ESAs.</p> <p>The following areas to be cleared for the proposed development include:</p> <p><b><u>1) Tower Footprints:</u></b></p> <p>The type of towers to be used by Eskom are determined after the walk-down survey has been completed by the Specialists which is usually done only when a route is authorised by DEA so that the tower positions can be determined. However, the maximum footprint of the proposed towers can be provided at this stage, and this is based on if a cross-rope suspension tower type is used:</p> <ul style="list-style-type: none"> <li>• 80m (anchor width) x 50m (tower length) = 4000 square metres for one tower.</li> <li>• Towers are spaced approximately 350m to 450m apart. Therefore for a</li> </ul>

Listed activities	Activity/Project description
	<p>180km power line, there would be approximately 515 to 400 towers.</p> <ul style="list-style-type: none"> <li>• <b>Thus the total project footprint for all towers would be between 1 600 000 to 2 060 000 square metres.</b></li> </ul> <p><b><u>2) Power line Footprint:</u></b></p> <p>The Maximum Vegetation Clearance for 220 to 765kV (in this case 400kV) is between 22m to 40m (this includes clearance from the centre of the power line up to the outer conductor, plus an additional 10m on either side). <b>Therefore a maximum of 40m x 180 000m = 7 200 000 square metres.</b></p>
<p><b><u>Item 14(ii)(a)(h)(iv; v; vi) of GN R. 985 (as amended):</u></b></p> <p>The development of—</p> <p>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</p> <p>where such development occurs—</p> <p>(a) within a watercourse</p> <p>h. North West</p> <p>iv. Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority;</p> <p>v. Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>or</p> <p>vi. Areas within 5 kilometres from protected areas identified in terms of NEMPAA or from the core areas</p>	<p>The proposed development may involve tower structures within watercourses which fall within or near sensitive areas such as threatened ecosystems, CBAs and ESAs.</p> <p>The type of towers to be used by Eskom are determined after the walk-down survey has been completed by the Specialists which is usually done only when a route is authorised by DEA so that the tower positions can be determined. However, the maximum footprint of the proposed towers can be provided at this stage, and this is based on if a cross-rope suspension tower type is used:</p> <ul style="list-style-type: none"> <li>• <b>80m (anchor width) x 50m (tower</b></li> </ul>



Listed activities	Activity/Project description
of a Biosphere reserve.	<p>length) = 4000 square metres for one tower.</p> <ul style="list-style-type: none"> <li>Towers are spaced approximately 350m to 450m apart. Therefore for a 180km power line, there would be approximately 515 to 400 towers.</li> <li>Thus the total project footprint for all towers would be between 1 600 000 to 2 060 000 square metres.</li> </ul>

as described in the Environmental Impact Assessment Report dated August 2018 at:

Preferred Power line route	Latitude	Longitude
Alternative 2 (WM13) (~180km)	27° 00' 39.29" S	24°44'38.89"E
	27° 00' 49.79" S	24°44'54.21"E
Additional coordinates for the preferred power line route alternative (WM13) are attached as Annexure 3.	27° 00' 47.56" S	24°45'6.79"E
	26° 56' 36.39" S	24°47'31.79"E
	26° 47' 04.21" S	24°50'4.09"E
	26° 31' 10.44" S	25° 4'27.91"E
	26° 20' 16.17" S	25° 3'17.14"E
	26° 10' 0.19" S	25° 3'56.86"E
	26° 05' 22.61" S	25° 6'27.57"E
	25° 54' 51.20" S	25°23'24.61"E
	25° 42' 33.99" S	25°31'35.65"E

- for the construction of the Mookodi-Mahikeng 400kV transmission power line, within the North West Province, hereafter referred to as "the property".

The proposed development will entail the following:

- i. A 400kV Mookodi-Mahikeng overhead transmission line with the length of 180km with a 2km wide corridor;
- ii. Access roads.

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. Route Alternative 2 for the construction of the Mookodi-Mahikeng transmission power line in the North West Province is **approved** as per the geographic coordinates cited 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 **five (5) 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. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

### **Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the competent authority for the decision.

### **Commencement of the activity**

11. The authorised activity 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, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you must not commence with the activity until such time that the appeal has been finalised.

### **Management of the activity**

12. The Environmental Management Programme (EMPr) submitted as part of the Application for Environmental Authorisation is hereby approved. This EMPr must be implemented and strictly adhered to.

### **Frequency and process of updating the Environmental Management Programme (EMPr)**

13. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 23 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.

14. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
15. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982, 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.
16. 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 GN R.982, 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.
17. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 982, as amended.

## Monitoring

18. The holder of the authorisation must appoint an experienced independent 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 Environmental Management Programme (EMPr).
  - 18.1. The ECO must be appointed before commencement of any authorised activities.
  - 18.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za)
  - 18.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 18.4. 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**

19. 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 at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za).
20. 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 at [Directorcompliance@environment.gov.za](mailto:Directorcompliance@environment.gov.za).
21. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the Environmental Management Programme (EMPr), taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982, as amended.
22. The holder of the authorisation must, in addition, submit an 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.
23. 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.
24. 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**

25. 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**

26. 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**

27. 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**

28. An ecological specialist, avifauna specialist, agricultural specialist, and wetland specialist must be commissioned to perform a final walkthrough of the site once the final route alignment and tower positions have been identified. The specialists must cover buffer identification, sensitive sites identification, no-go areas identification, fine scale mapping and site specific mitigation measures within the approved corridor.
29. All existing roads and storage sites must be used where possible.
30. Towers must not be placed within 100m of water sources (drinking troughs, wind mills, reservoirs). No vehicle or human traffic must be allowed through these areas and towers should be spaced to avoid these areas and accessed during construction from either side, not continuously along the servitude.
31. No activities are allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
32. The development footprint must be kept to a minimum in order to encourage natural vegetation to return to disturbed areas.
33. Potable water must not be used to mitigate dust nuisance.
34. The use of generators on site must include the use of drip trays;
35. Should any heritage features, which were not anticipated, be found in the course of development of the power line, all activities must be stopped immediately and the South African Heritage Resources Agency (SAHRA) must be contacted so that the find can be investigated and mitigation measures be proposed and implemented.

36. Open trenches must be fenced off and monitored at all times to avoid injuries to people and animals;
37. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
38. The applicant must ensure that any waste storage facility is located away from the water bodies;
39. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal.
40. 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**

41. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved Environmental Management Programme (EMPr), must be made available for inspection and copying-
  - 41.1. to anyone on request; and
  - 41.2. where the holder of the environmental authorisation has a website, on such publicly accessible website.
42. 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: 26/11/2015

  
Mr Sabelo Malaza

**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

## 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 information contained in the EIAr dated August 2018;
- b) The comments received from interested and affected parties as included in the EIAr dated August 2018;
- c) Mitigation measures as proposed in the EIAr dated August 2018 and the Environmental Management Programme (EMPr);
- d) The information contained in the specialist studies contained within Annexure 6 of the EIAr; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No.107 of 1998), as amended.

### 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 that, in the Department's view, were of the most significance are set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project was well explained and the Department considered the need of the project.
- c) The EIAr dated August 2018 identified all legislation and guidelines that have been considered in the preparation of the EIAr dated August 2018.
- d) The methodology used in assessing the potential impacts identified in the EIAr dated August 2018 and the specialist studies have been adequately indicated.
- e) 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.



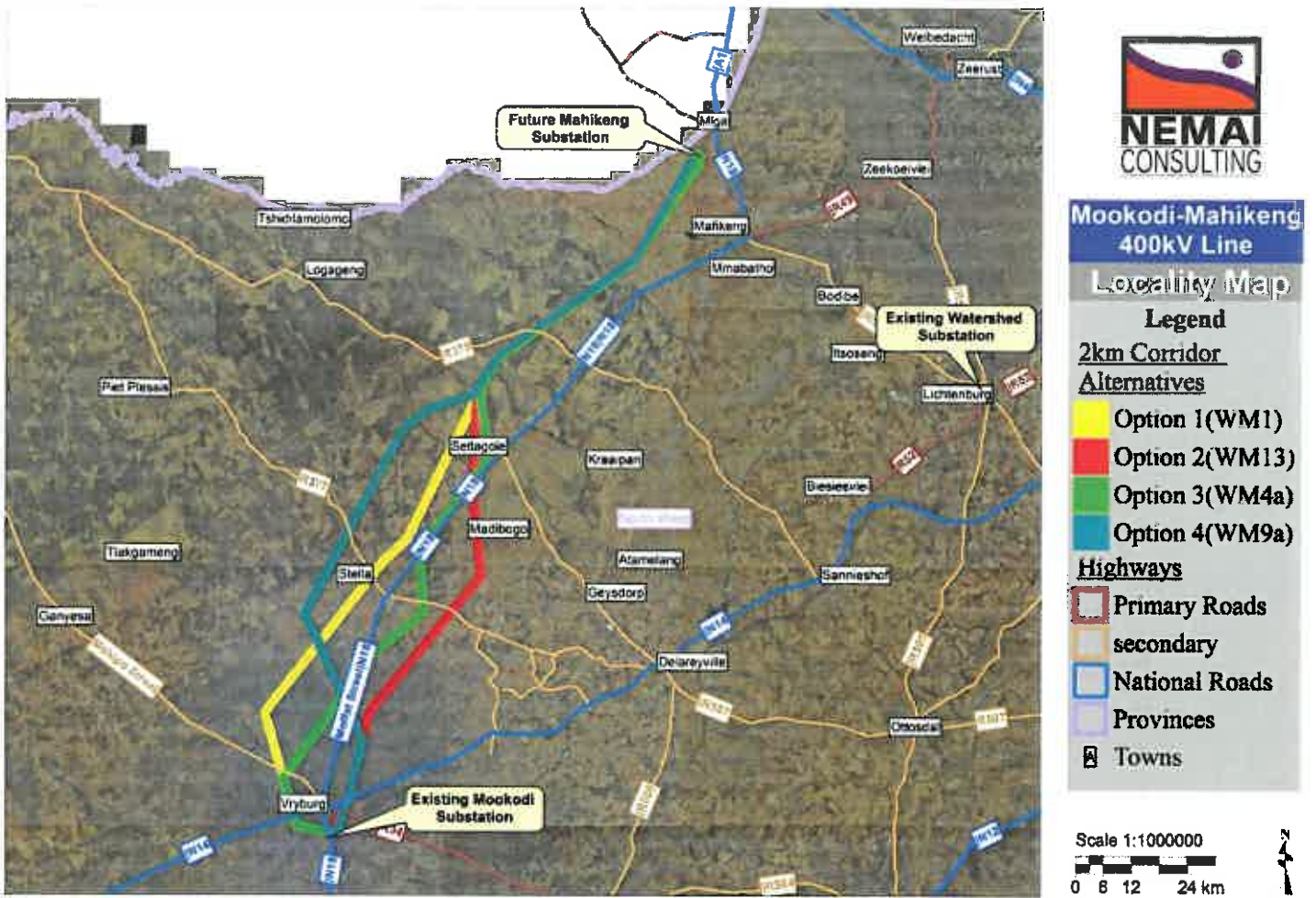
### 3. Findings

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 2018 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) The information contained in the EIAr dated August 2018 is accurate and credible.
- e) Environmental Management Programme (EMPr) measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAr and will be implemented to manage the identified environmental impacts during the construction phase.

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

## Annexure 2: Locality Plan



**Annexure 3: Centre line coordinates for preferred power line route alternative (WM13)**

Km intervals	Latitude	Longitude
0	27°00'39.29"S	24°44'38.89"E
2	27°00'15.35"S	24°45'25.29"E
4	26°59'17.53"S	24°45'58.47"E
6	26°58'19.82"S	24°46'31.91"E
8	26°57'22.18"S	24°47'5.33"E
10	26°56'23.42"S	24°47'35.25"E
12	26°55'20.09"S	24°47'52.15"E
14	26°54'16.78"S	24°48'9.10"E
16	26°53'13.44"S	24°48'25.85"E
18	26°52'10.31"S	24°48'42.66"E
20	26°51'7.59"S	24°48'59.48"E
22	26°50'4.35"S	24°49'16.14"E
24	26°49'0.91"S	24°49'32.81"E
26	26°47'57.85"S	24°49'49.84"E
28	26°46'56.97"S	24°50'11.10"E
30	26°46'6.85"S	24°50'56.44"E
32	26°45'16.43"S	24°51'42.19"E
34	26°44'26.14"S	24°52'27.90"E
36	26°43'35.90"S	24°53'13.51"E
38	26°42'45.62"S	24°53'59.18"E
40	26°41'55.28"S	24°54'44.41"E
42	26°41'5.46"S	24°55'29.75"E
44	26°40'15.01"S	24°56'15.65"E
46	26°39'23.90"S	24°57'1.71"E
48	26°38'33.21"S	24°57'47.86"E
50	26°37'42.40"S	24°58'33.90"E
52	26°36'52.09"S	24°59'19.45"E
54	26°36'1.67"S	25° 0'5.26"E
56	26°35'11.59"S	25° 0'50.72"E
58	26°34'21.16"S	25° 1'36.29"E
60	26°33'30.85"S	25° 2'21.41"E
62	26°32'40.35"S	25° 3'7.13"E
64	26°31'49.78"S	25° 3'52.64"E
66	26°30'56.18"S	25° 4'26.27"E
68	26°29'51.85"S	25° 4'19.45"E
70	26°28'47.16"S	25° 4'12.33"E
72	26°27'42.11"S	25° 4'5.32"E
74	26°26'37.12"S	25° 3'58.24"E
76	26°25'32.50"S	25° 3'50.97"E
78	26°24'27.38"S	25° 3'44.25"E

Km intervals	Latitude	Longitude
80	26°23'22.98"S	25° 3'37.20"E
82	26°22'17.50"S	25° 3'30.34"E
84	26°21'12.54"S	25° 3'23.23"E
86	26°20'8.01"S	25° 3'17.69"E
88	26°19'2.83"S	25° 3'21.65"E
90	26°17'58.67"S	25° 3'25.90"E
92	26°16'54.41"S	25° 3'30.34"E
94	26°15'49.38"S	25° 3'34.45"E
96	26°14'44.70"S	25° 3'38.74"E
98	26°13'39.26"S	25° 3'42.87"E
100	26°12'34.52"S	25° 3'47.13"E
102	26°11'30.28"S	25° 3'51.06"E
104	26°10'25.96"S	25° 3'55.20"E
106	26° 9'26.11"S	25° 4'15.36"E
108	26° 8'28.43"S	25° 4'46.66"E
110	26° 7'30.82"S	25° 5'18.00"E
112	26° 6'32.85"S	25° 5'49.31"E
114	26° 5'37.40"S	25° 6'19.84"E
116	26° 4'54.68"S	25° 7'12.82"E
118	26° 4'18.06"S	25° 8'11.70"E
120	26° 3'41.42"S	25° 9'11.33"E
122	26° 3'4.91"S	25°10'10.29"E
124	26° 2'27.88"S	25°11'10.00"E
126	26° 1'50.92"S	25°12'9.19"E
128	26° 1'14.77"S	25°13'7.60"E
130	26° 0'38.00"S	25°14'7.15"E
132	26° 0'1.01"S	25°15'6.36"E
134	25°59'24.84"S	25°16'5.14"E
136	25°58'47.73"S	25°17'4.72"E
138	25°58'11.16"S	25°18'3.83"E
140	25°57'34.71"S	25°19'2.19"E
142	25°56'57.58"S	25°20'1.42"E
144	25°56'21.28"S	25°21'0.11"E
146	25°55'44.10"S	25°21'59.84"E
148	25°55'7.20"S	25°22'59.36"E
150	25°54'19.26"S	25°23'45.64"E
152	25°53'23.71"S	25°24'23.03"E
154	25°52'28.44"S	25°24'59.63"E
156	25°51'33.03"S	25°25'36.98"E
158	25°50'37.81"S	25°26'13.65"E
160	25°49'42.82"S	25°26'50.73"E

*MS*

<b>Km intervals</b>	<b>Latitude</b>	<b>Longitude</b>
162	25°48'46.18"S	25°27'28.03"E
164	25°47'50.82"S	25°28'4.94"E
166	25°46'54.97"S	25°28'41.80"E
168	25°45'59.23"S	25°29'19.09"E
170	25°45'3.91"S	25°29'55.66"E
172	25°44'8.23"S	25°30'33.39"E
174	25°43'12.08"S	25°31'10.31"E
175.09	25°42'34.00"S	25°31'35.66"E