

Appendix 6: Application Form

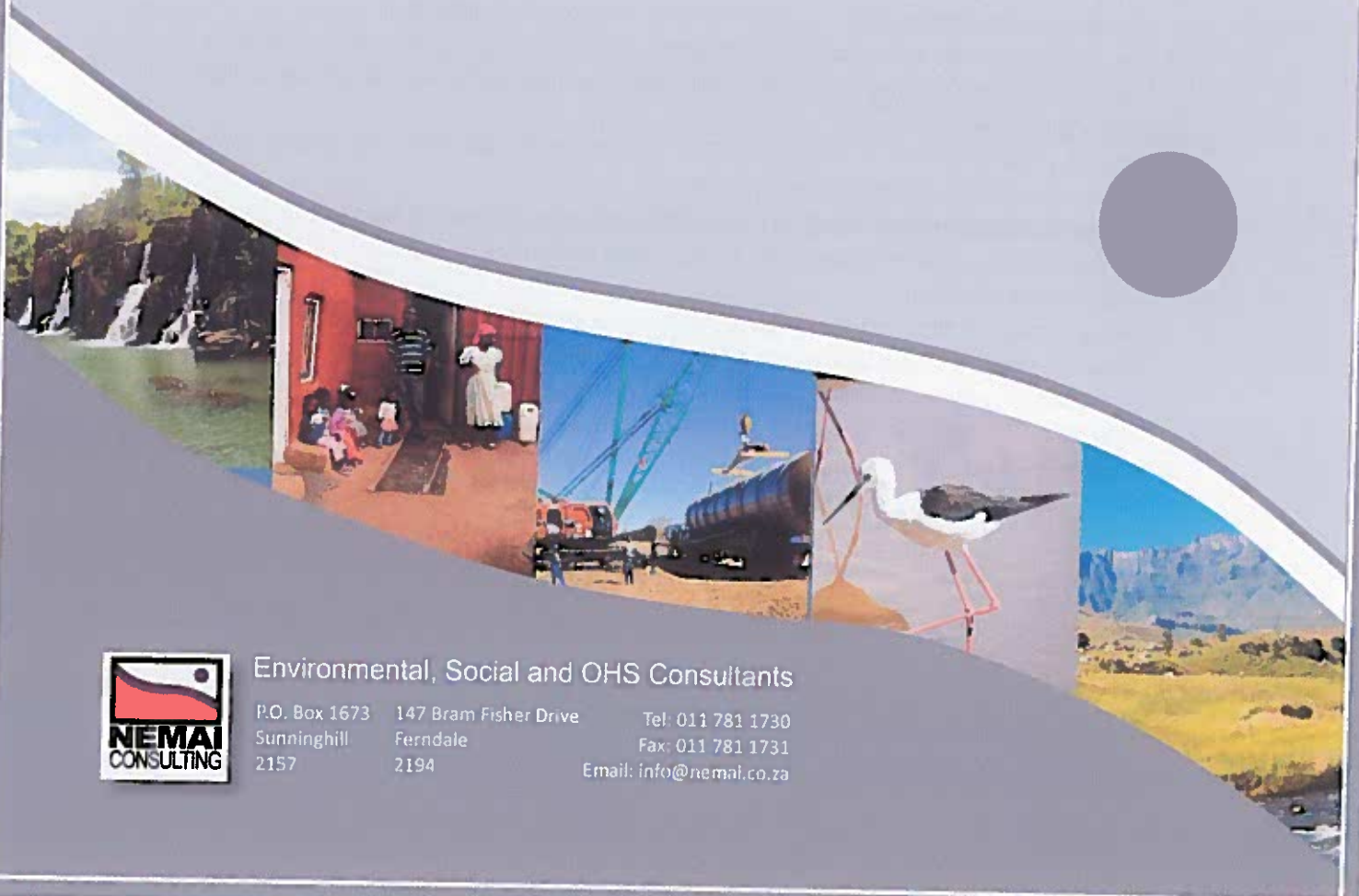
EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA

Application Form for Environmental Authorisation

April 2018

Prepared for: Eskom Holdings SOC Ltd

Original Document



Environmental, Social and OHS Consultants

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environmental affairs

Department
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:
NEAS Reference Number:
Date Received:

(For official use only)

DEA/EIA/

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 (the Regulations)

PROJECT TITLE

Emkhiweni Substation and 400KV Line from Emkhiweni Substation to Silimela

Indicate if the **DRAFT** report accompanies the application

Yes
No

Kindly note that:

1. This application form is current as of 1 April 2016. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form may become public information on receipt by the competent authority.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

Postal address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia
Pretoria

Queries must be addressed to the contact below:

E-mail: EIAAdmin@environment.gov.za

Please note that this form must be copied to the relevant provincial environmental department/s.

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. PROOF OF PAYMENT

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**

Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	✓

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number:</p>

2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

Project Background

Nemai Consulting was appointed by Eskom in 2009 to undertake the EIA as part of the 2006 EIA Regulations for the following projects:

1. Construction of the Rockdale B Substation (now referred to as Emkhiweni Substation), with 2x500MVA 400/132kV transformers; and
2. Construction of the Rockdale B to Wolwekraal 400kV line (now referred to as the Emkhiweni Substation to Silimela 400kV line).

The projects were authorised in May 2011 (Emkhiweni Substation) and July 2011 (Emkhiweni-Silimela 400kV line). Eskom has decided to proceed with the construction of Emkhiweni-Silimela 400kV line (which is approximately 80kms) however the previous Record of Decision (RoD) has lapsed. Therefore Nemai Consulting are undertaking a new application for Environmental Authorisation (EA) as part of the 2014 EIA Regulations, as amended (07 April 2017).

Project Motivation

There are two transmission subsystems in the Mpumalanga and Limpopo Provinces, these are known as "Highveld North West" and "Lowveld North". These subsystems are interconnected and are currently experiencing several problems:

- The lines in the study area are heavily loaded, i.e. if maintenance is required or there is a fault on the line the remaining lines may exceed their thermal limits, as a result load shedding would become necessary;
- The transfer capacity is insufficient;
- An existing substation called Rockdale reached its firm capacity in 2007;
- The distribution network supplied by the Vulcan substations is passing through a burning ground and the network is failing, therefore these lines need to be diverted to other supply sources;
- The distribution network in the Marble Hall area is experiencing low voltage problems; and
- The Proposed Steelpoort (Tubatse) Pumped Storage Scheme requires Transmission network strengthening.

To combat these problems, several phased projects for which environmental assessments have been authorised, have been undertaken and include:

- Mokopane to Wolwekraal 400kV power line and associated secondary infrastructure;
- Steelpoort to Wolwekraal 400kV power line and associated secondary infrastructure; and
- Wolwekraal substation and associated secondary infrastructure.

Once these projects are implemented the following would have been achieved:

1. The network security will be improved;
2. Capacity for future load increases would be created; and
3. Eskom's revenue would be increased.

Project Description

The distribution network in the Marble Hall area is supplied from the Simplon substation, this network is currently experiencing low voltage problems. In future the Simplon and Rockdale substations will supply additional power to the network, however this additional power cannot be supported by the existing network without violating its operational limits.

The Emkhiweni Substation and Emkhiweni-Silimela 400kV Line provides the means to support the additional power supply within operational limits.

Rockdale is an existing substation located to the southwest of Middleburg near the N11. The transmission lines that feed into it are the two Amot – Rockdale 275kV lines. The firm capacity at the Rockdale substation is 500MVA and was exceeded in 2007. The new loads at the substation cannot be accommodated without violating the loading conditions of the transformers, which are 45 years old. The existing Rockdale substation also does not have the correct busbar arrangement. If a single transformer is lost, load shedding would be necessary. If a transformer needs to be maintained then this would also result in load shedding. Additional power demands are expected for the Rockdale substation, however due to the abovementioned problems these cannot be accommodated.

The proposed solution is the construction of a new substation near to the existing Rockdale substation. This proposed new substation would be known as Emkhiweni and it would serve the following purpose:

- De-load the Rockdale and Vulcan substations;
- Create capacity at the existing substations;
- Cater for new loads; and
- Improve the reliability in the Middleburg area.

Project Location

The proposed activity entails the construction of a 400kV power line from the Middelburg area in the south to the Marble Hall/Wolwekraal area in the north. The proposed line originates at the Wolwekraal Substation, which is situated approximately 13km to the southeast of Marble Hall (Limpopo Province) on the Farm Loskop Noord No. 12 JS and runs south-eastwards. The line terminates at the proposed Emkhiweni Substation within Mpumalanga. Refer to **Figure 1** for a locality map. The proposed development falls within the Steve Tshwete Local Municipality (LM), Elias Motsoaledi LM and Ephraim Mogale LM.



Figure 1: Locality Map

Route Alternatives

Two route alternatives were considered in the previous Scoping and EIA Report (2010). Alternative 1 was approved by DEA in the EA dated 28 July 2011. Eskom has purchased the land for the substation (also authorised in 2011) and Eskom has secured a 55m servitude for the line. Therefore Eskom has registered the servitude as a result of the previous Authorisation, which has now expired. Therefore no alternative routes will be considered as part of this Scoping and EIA Process.

Site Alternatives

Three site alternatives were considered in the previous Scoping and EIA Report (2010). Alternative 2 was approved by DEA in the EA dated 28 July 2011. Eskom has purchased the land Eskom has purchased the land for the substation and Eskom has secured a 55m servitude for the line. Therefore no alternative sites will be considered as part of this Scoping and EIA Process.

Scope of Work

The scope of work includes:

- Construction of the Emkhiweni Substation, with 2x500MVA 400/132kV transformers; and
- Construction of the Emkhiweni-Silimela 400kV line.

400kV Line

A power line typically consists of pylons, which are tower-like structures that support electrical cables above the ground. The distance between each pylon is dependent on the type of terrain the lines cross. The standard width of a servitude for a 400kV Transmission line is 55m (27.5m on either side of the powerline).

In order for maintenance staff to access the lines and undertake routine maintenance or repair faults, it may be necessary to construct access roads. To protect the surrounding landscape from soil erosion storm water infrastructure may be required.

There are several types of towers/pylons. The types of pylons chosen for the project depend on several factors, these include:

- Terrain;
- Expense; and
- Recommendations from the visual specialist.

Eskom tries not to bind themselves to one tower/pylon type during the environmental assessment in case another type, based on the factors mentioned above, would be more suitable. Below are several examples of 400kV powerline types, which might be used.

Associated Infrastructure for the 400kV Line

The Emkhiweni Substation and Emkhiweni-Silimela 400kV Line would link into the proposed Wolwekraal substation in the north and the proposed Emkhiweni substation in the south.

To link the substations to the power lines, loop-in lines are required. These loop-in lines do not form part of this power line application but are part of both of the substation applications. The location of the loop-in lines depend on which route alternative (for the power line) and locality alternative (for the substation) are the preferred alternatives. Determining a loop-in line route is therefore a lengthy process and for the Emkhiweni-Silimela 400kV Line connection to the proposed Wolwekraal and Emkhiweni substation, this could only be determined after specialist studies had been undertaken, i.e. after the Scoping phase.

Very few new access roads may be required during installation of some sections of the towers and powerline; however, Eskom have advised that these access roads do not exceed any thresholds in terms of the EIA Regulations of 2014, as amended (07 April 2017).

Emkhiweni Substation

The proposed Emkhiweni substation would support the existing Rockdale substation. The proposed Emkhiweni substation would have a 1km x 1km footprint which would include the following:

- Two 400kV loop-in lines;
- Loop-in lines to the Arnot Vulcan power line;
- Offices and control rooms;
- Transformers;
- Breakers;
- Other equipment necessary for connecting the 400kV lines to the substation and the 132kV lines out of the substation; and
- Loop-in lines.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?

YES



If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?

NO



Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries		Greenfield transformation to urban or industrial form (including mining)
Infrastructure – electricity (generation, transmission & distribution)	✓	Biodiversity or sensitive area related activities
Oil and gas		Mining value chain
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments
Nuclear		Boat building
Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather
Basic services (local government access roads)		Forestry, paper, pulp and furniture
Basic services (local government) – public transport		Business process servicing
Infrastructure – water (bulk and reticulation)		Advanced materials
Basic services (local government) – sanitation		Aerospace
Basic services (local government) – waste management		Basic services (local government) – education
Basic services (local government) water		Basic services (local government) – health
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing
Infrastructure – information and communication technology		Basic services (local government) security of tenure
Tourism + strengthening linkages between cultural industries and tourism		Other
Basic services (local government) – public open spaces and recreational facilities		

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.		NO ✓
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		
Not Applicable.		

3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Ltd.
Registration number (if applicant is a company):	2002/015527/30
Trading name (if any):	Eskom Holdings SOC Ltd.
BBBEE status	State Owned Company

Responsible person name (If the applicant is a company):
 Applicant/ Responsible person ID number:
 Responsible position, e.g. Director, CEO, etc.:
 Physical address:
 Postal address:
 Postal code:
 Telephone:
 E-mail:

Annah Kawadza		
7806260493088		
Programme Manager		
Megawatt Park, Maxwell Drive, Sunninghill, Johannesburg		
P O Box 1091, Johannesburg		
2000	Cell:	
011 800 4057	Fax:	011 800 3917
KawadZA@eskom.co.za		

Provincial Authority:
 Contact person:
 Postal address:
 Postal code:
 Telephone:
 E-mail:

Limpopo Department of Economic Development, Environment and Tourism		
Ms Aluwani Khorommbi		
Private Bag X 9484, Polokwane		
0700	Cell:	
015 293 8300	Fax:	015 293 8319
KhorommbiA@ledet.gov.za		

Provincial Authority:
 Contact person:
 Postal address:
 Postal code:
 Telephone:
 E-mail:

Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs		
Hon. V.R. Shongwe		
Private Bag X 11219, Nelspruit		
1200	Cell:	-
013 766 6074	Fax:	013 766 8429
mathebulazc@mpg.gov.za; AkoojeeAA@mpg.gov.za		

Local municipality:
 Contact person:
 Postal address:
 Postal code:
 Telephone:
 E-mail:

Refer to Appendix 3.		
	Cell:	
	Fax:	

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:
 Contact person:
 Postal address:
 Postal code:
 Telephone:
 E-mail:

Refer to Appendix 4.		
	Cell:	
	Fax:	

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, written consent of landowner/s must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:
 Reason(s) in terms of S24C of NEMA 1998 as amended:

Department of Environmental Affairs (DEA)
The Minister of the Department of Environmental Affairs is the Competent Authority to decide on applications submitted by organs of state. Eskom Holdings SOC Ltd. is an organ of state.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:
B-BBEE

Professional
affiliation/registration:

Contact person:

Company:

Physical address:

Postal address:

Postal code:

Telephone:

E-mail:

Nemal Consulting			
Contribution level (Indicate 1 to 8 or non compliant)	1	Percentage Procurement recognition	135%
Pr.Sci.Nat-Environmental Science, Registration Number: 116238			
Kristy Robertson			
Nemal Consulting			
147 Bram Fischer Drive, FERNDALE, 2194			
P.O Box 1673, SUNNINGHILL			
2157	Cell:	072 769 2850	
011 781 1730	Fax:	011 781 1731	
kristyr@nemal.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Mpumalanga Province
District Municipality	Nkangala District
Local Municipality	Steve Tshwete Local Municipality
Ward number(s)	28, 14, 27, 17, 9, 29
Nearest town(s)	Doomkop, Mhluzi, Middelburg
Farm name(s) and number(s)	Refer to Appendix 5
Portion number(s)	

Province	Limpopo Province
District Municipality	Greater Sekhukhune
Local Municipality	Elias Motsoaledi Local Municipality
Ward number(s)	12, 13, 14
Nearest town(s)	Cobalt, Groblersdal
Farm name(s) and number(s)	Refer to Appendix 5
Portion number(s)	

Province	Limpopo Province
District Municipality	Greater Sekhukhune
Local Municipality	Ephraim Mogale Local Municipality
Ward number(s)	5
Nearest town(s)	Marble Hall
Farm name(s) and number(s)	Refer to Appendix 5
Portion number(s)	

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

Refer to Appendix 5.

1	2	3	4	5
Are there any other applications for Environmental Authorisation on the same property?				NO ✓
If YES, please indicate the following:				
Competent Authority				
Reference Number				
Project Name				
Please provide details of the steps taken to ascertain this information:				
Not Applicable.				

6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
<i>e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</i>	<i>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</i>
<p>GN No. 983 (04 December 2014 of NEMA) Item No. 12 (ii).</p> <p>The development of— (ii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs— (a) within a watercourse. excluding—</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed</p>	<p>A few of the proposed tower structures will fall within watercourses and will have an overall footprint above 100 square metres, the exact footprint is to be determined in the EIA Phase.</p>

<p>within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>	
<p><u>GN No. 983 (04 December 2014 of NEMA) Item No. 14:</u></p> <p>The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores during the construction phase or hazardous chemical substances at the substation during the operational phase. Threshold of 80 m³ expected to be exceeded.</p>
<p><u>GN No. 983 (04 December 2014 of NEMA) Item No. 19:</u></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, pebbles or rock of more than 10 cubic metres from a watercourse.</p>	<p>A few of the proposed tower structures will fall within watercourses and will involve the removal of soil within a watercourse of more than 10 cubic metres.</p>
<p><u>GN No. 983 (04 December 2014 of NEMA) Item No. 27 (ii):</u></p> <p>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-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of large areas associated with the construction footprint of the substation.</p>
<p><u>GN No. 983 (04 December 2014 of NEMA) Item No. 28:</u></p> <p>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:</p> <p>(i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or</p> <p>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</p> <p>excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.</p>	<p>Footprint of project on agricultural land and game farms, outside of an urban area.</p>
<p><u>GN No. 984 (04 December 2014 of NEMA) Item No. 9:</u></p> <p>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</p>	<p>The project involves the proposed construction of a 400kV powerline (outside the urban edge).</p>

<p>complex excluding the development of bypass infrastructure for the transmission and 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><u>GN No. 985 (04 December 2014 of NEMA) Item No. 12 (afii):</u></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>e) Limpopo</p> <p>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</p> <p>ii. Within critical biodiversity areas identified in bioregional plans; or</p> <p>iii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning.</p> <p>f) Mpumalanga</p> <p>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;</p> <p>ii. Within critical biodiversity areas identified in bioregional plans; or</p> <p>iii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning or proclamation in terms of NEMPAA.</p>	<p>The proposed development will require the clearance of more than 300 square metres within sensitive areas such as threatened ecosystems, CBAs and conservation areas.</p>
<p><u>GN No. 985 (04 December 2014 of NEMA) Item No. 14:</u></p> <p>The development of—</p> <p>(ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs—</p> <p>(a) within a watercourse;</p>	<p>The proposed development will involve tower structures within watercourses which fall within or near sensitive areas such as protected areas and CBAs.</p>

<p>e) Limpopo</p> <p>i. Outside urban areas:</p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(hh) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve.</p> <p>f) Mpumalanga</p> <p>i. Outside urban areas:</p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(hh) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve.</p>	
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Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

An overview of the Public Participation is outlined below that will allow the public to engage throughout the application process and project implementation phases:

First Public Notification – Project Announcement and Public Review of the Draft Scoping Report

The directly affected and adjacent landowners will be notified and encouraged to register as Interested and Affected (IAPs). First notification of the public regarding the proposed project will take place through the following methods:

- Background Information Documents (BIDs) and Reply Forms will be emailed and hand delivered to all directly adjacent landowners/occupiers and possible IAPs identified that may have an interest in the project. The BID will include a Comments Form to allow IAPs to register and raise queries or concerns regarding the project;
- Onsite notices, which also serve as notification of the project, will be placed in strategic locations on and around the proposed site; and
- Regional and Local newspaper advertisements will be placed in the following papers listed below:

Number	Regional or Local	Name	Language
1	Regional	The Star	English
2	Regional	The Citizen	English
3	Regional	Die Beeld	Afrikaans
4	Regional	The Sowetan	English
5	Local	Middelburg Observer	English
6	Local	Daller	English
7	Local	Polokwane Observer	English

A database of IAPs, which includes Authorities, different spheres of government (national, provincial and local), the Local Ward Councillors, stakeholders, landowners, interest groups and members of the general public, will be prepared by Nema Consulting.

IAPs will be granted an opportunity to review and comment on the Draft Scoping Report (DSR). A hard copy of the report will be made available. Copies of the DSR will be provided to the Municipality, as well as Provincial and National Governmental Departments. Notices will contain the following information:

- DSR review period - IAPs and Commenting Authorities will be given 30 days to submit comments on the report;
- Venues/electronic links where hard copies of the DSR can be reviewed; and
- Details of the review process for the DSR.

Second Notification - Public Review of the Draft EIA Report

Registered IAPs will be granted an opportunity to review and comment on the Draft EIA Report. The same process as above for the Scoping Phase applied for the Draft EIA Report.

Final Public Notification

Nema Consulting will notify all the registered IAPs of the Departments decision and the Appeal period. These notifications will include the appeal procedure to the decision and key reasons for the decision. A copy of the decision will also be provided to the registered IAPs on request. Notification letters will be prepared and sent to the registered IAPs contained in the database. These letters will contain the following information:

- The outcome of the application and reasons for decision;
- Details on where the decision can be accessed; and
- An explanation of the appeal procedure and timeframes.

Newspaper advertisements will also be placed in the same newspapers as the original notification highlighting the same information as above.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED	APPLICATION SUBMITTED
SEMA's		
National Environmental Management: Air Quality Act	NO ✓	
National Environmental Management: Biodiversity Act	NO ✓	
National Environmental Management: Integrated Coastal Management Act	NO ✓	
National Environmental Management: Protected Areas Act	NO ✓	
National Environmental Management: Waste Act	NO ✓	
National legislation		
Mineral Petroleum Development Resources Act	NO ✓	
National Water Act	NO	

		✓	
National Heritage Resources Act		NO	
		✓	
Others: Please specify		NO	
		✓	

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED
Appendix 1	Proof of Payment/Motivation for Exclusion	YES ✓
Appendix 2	Strategic Infrastructure Projects	YES ✓
Appendix 3	List of Local Municipalities (with contact details)	YES ✓
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES ✓
Appendix 5	List of SGIDs	YES ✓
Appendix 6	Project map	YES ✓
Appendix 7	Project schedule	YES ✓
Appendix 8	Declaration of Applicant	YES ✓
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES ✓

APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION



147 Bram Fischer Drive
FERNDALE
2194

P O Box 1673
SUNNINGHILL
2157

Tel: 011 781 1730
Fax: 011 781 1731
www.nemai.co.za

Reference: 10643-2018406-Motivation for Exclusion

06 April 2018

Department of Environmental Affairs
Environment House
473 Steve Biko
PRETORIA
0083

ATTENTION: Director: Integrated Environmental Authorisations

RE: MOTIVATION FOR EXCLUSION OF PAYMENT FEE FOR APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA

Dear Sir/Madam

The Applicant for this project is Eskom Holdings (SOC) Ltd, a State Owned Company, and is thus exempt from paying the application fee applicable for the attached Environmental Authorisation Application.

If you require further information, please do not hesitate to contact the undersigned.

Yours Sincerely,
Nemai Consulting



Kristy Robertson

Environmental Assessment Practitioner

**APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng.
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA's main industrial hubs • Improve access to Durban's export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport.
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province.
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation.
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>

SIP 8: Green energy in support of the South African economy

Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.

Indicate capacity in MW:**SIP 9: Electricity generation to support socioeconomic development**

Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.

Indicate capacity in MW:**SIP 10: Electricity transmission and distribution for all**

Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.

Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.

**SIP 11: Agri-logistics and rural infrastructure**

Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.

SIP 12: Revitalisation of public hospitals and other health facilities

Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.

SIP 13: National school build programme

A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.

SIP 14: Higher education infrastructure

Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.

SIP 15: Expanding access to communication technology

Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infraco fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas.

While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.

The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.

SIP 16: SKA & Meerkat

SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.

SIP 17: Regional integration for African cooperation and development

Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.

The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.

All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

SIP 18: Water and sanitation infrastructure

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

**APPENDIX 3
LIST OF LOCAL MUNICIPALITIES**

Local municipality:
Contact person:
Postal address:
Postal code:
Telephone:
E-mail:

Steve Tshwete Local Municipality		
B Khenisa		
P.O Box 14, Middelburg		
1050	Cell:	-
013 249 7000	Fax:	-
mmoffice@stlm.gov.za		

Local municipality:
Contact person:
Postal address:
Postal code:
Telephone:
E-mail:

Elias Motsoaledi Local Municipality		
T Mthombeni		
P.O Box 48, Groblersdal		
0470	Cell:	-
013 262 3056	Fax:	-
tmthombeni@emllm.gov.za		

Local municipality:
Contact person:
Postal address:
Postal code:
Telephone:
E-mail:

Ephraim Mogale Local Municipality		
Mr C Badenhorst		
PO Box 111, Marble Hall		
0450	Cell:	-
013 261 8480	Fax:	-
cbadenhorst@emogalelm.gov.za		

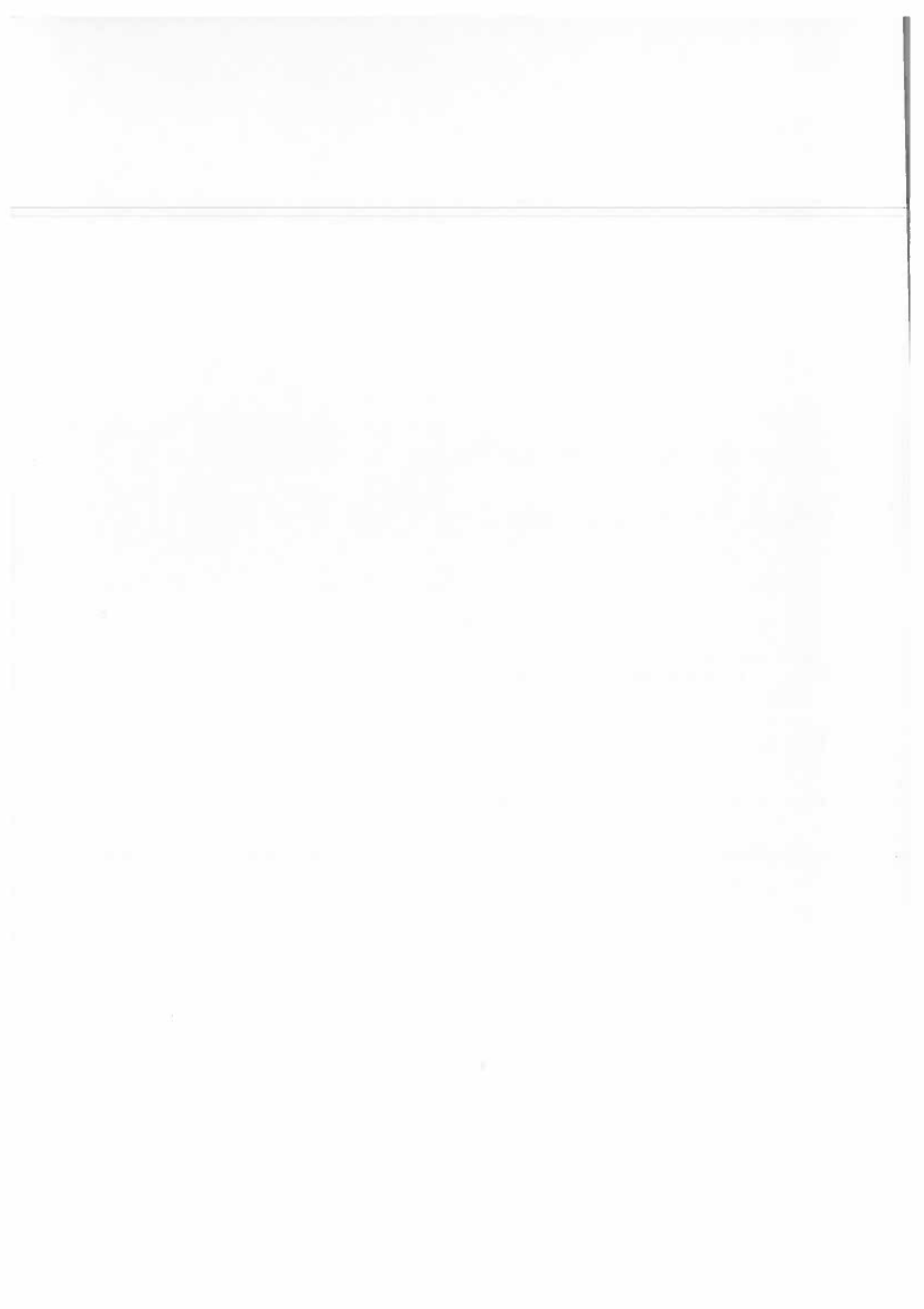
**APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

SUBSTATION LANDOWNER DATABASE

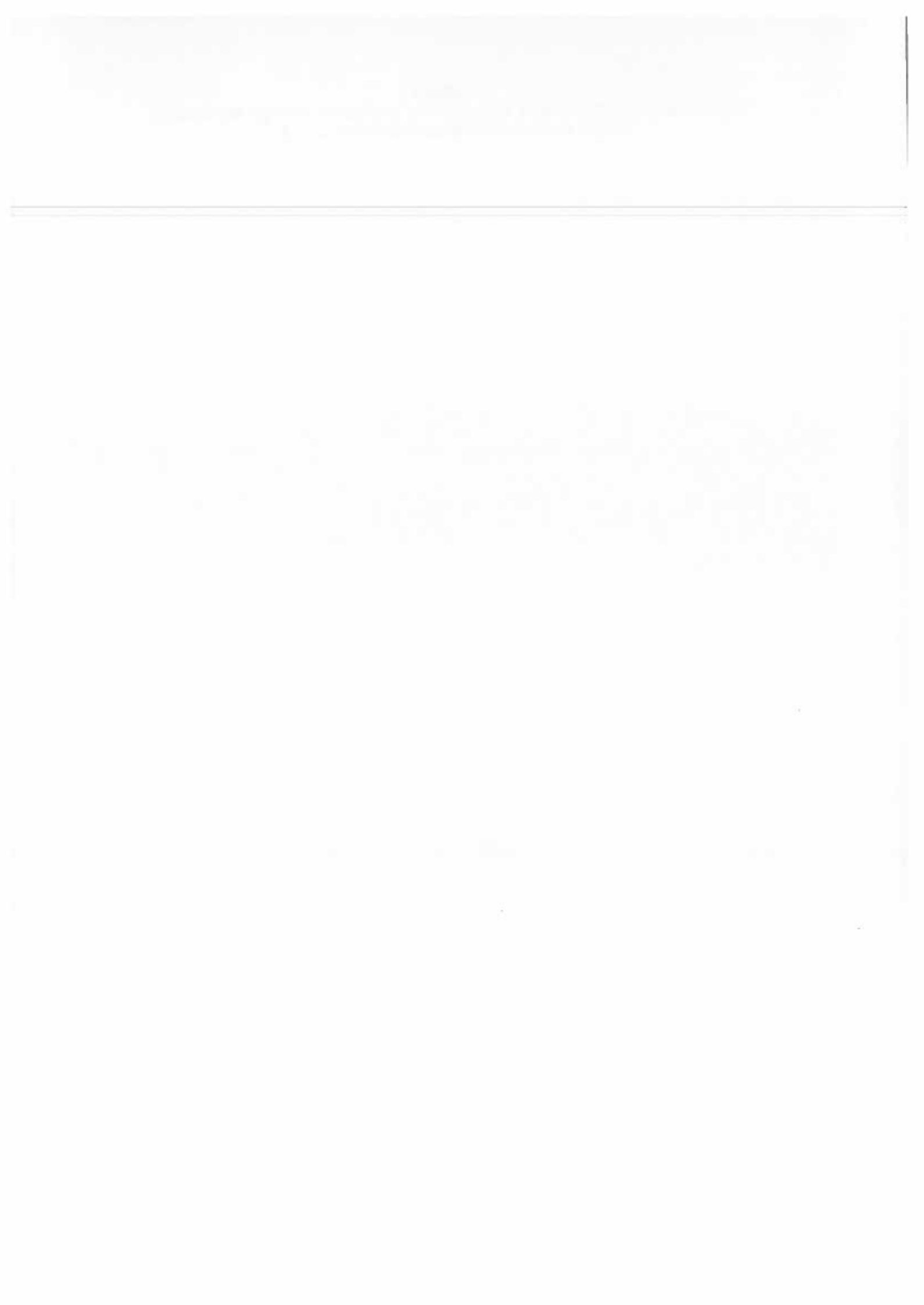
No.	Z1 Dist Code	Property Description	Organisation/Trust	Name	Surname	Home/Work Number	Mobile Number	Postal Address	Physical Address	Email Address	Comments
1	T050000000003100010	Parcel 14 of Farm Bostforten 314 JS	INGWE SURFACE HOLDINGS LTD	Derek		011 3762530	071 6072673				
2	T050000000003100004	Parcel 4 of Farm Bostforten 314 JS	INGWE SURFACE HOLDINGS LTD & TANISTOCK COLLIERIES PTY LTD	Derek		011 3762530	071 6072673				

LOOP in LINES LANDOWNER DATABASE

No	21 Digi Code	Property Description	Originator/Trull	Name	Surname	HomeWork Number	Mobile Number	Postal Address	Physical Address	Email Address	Comments
1	TUUS0000000001400714	Section 24 of Farm 334/15	INGWE SURFACE HOLDINGS LTD	Derek		0113762330	07 6072673				
2	TUUS0000000001500034	Portion 24 of Farm Goedehoop 315 B	BHP BILLITON ENERGY COAL SOUTH AFRICA LTD	Maphuku		0113762673					
3	TUUS0000000001400092	Portion 2 of Farm Beldersan 314 B	INGWE SURFACE HOLDINGS LTD & TAVISTOCK COLLIERIES PTY LTD	Derek JAMES HOUSTON	MURRAY	0113762330 01 4427439	07 18072673 092 8905667	PO BOX 652687 BENMORE 2010	25 EIGHTH AVENUE, PARKTOWN NORTH, JOHANNESBURG, 2183		



APPENDIX 5
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)



SUBSTATION LANDOWNER DATABASE

No.	21 Ddidit Code	Property Description
1	TOJS00000000031400014	Portion 14 of Farm Rietfontein 314 JS
2	TOJS00000000031400004	Portion 4 of Farm Rietfontein 314 JS

LOOP in LINES LANDOWNER DATABASE

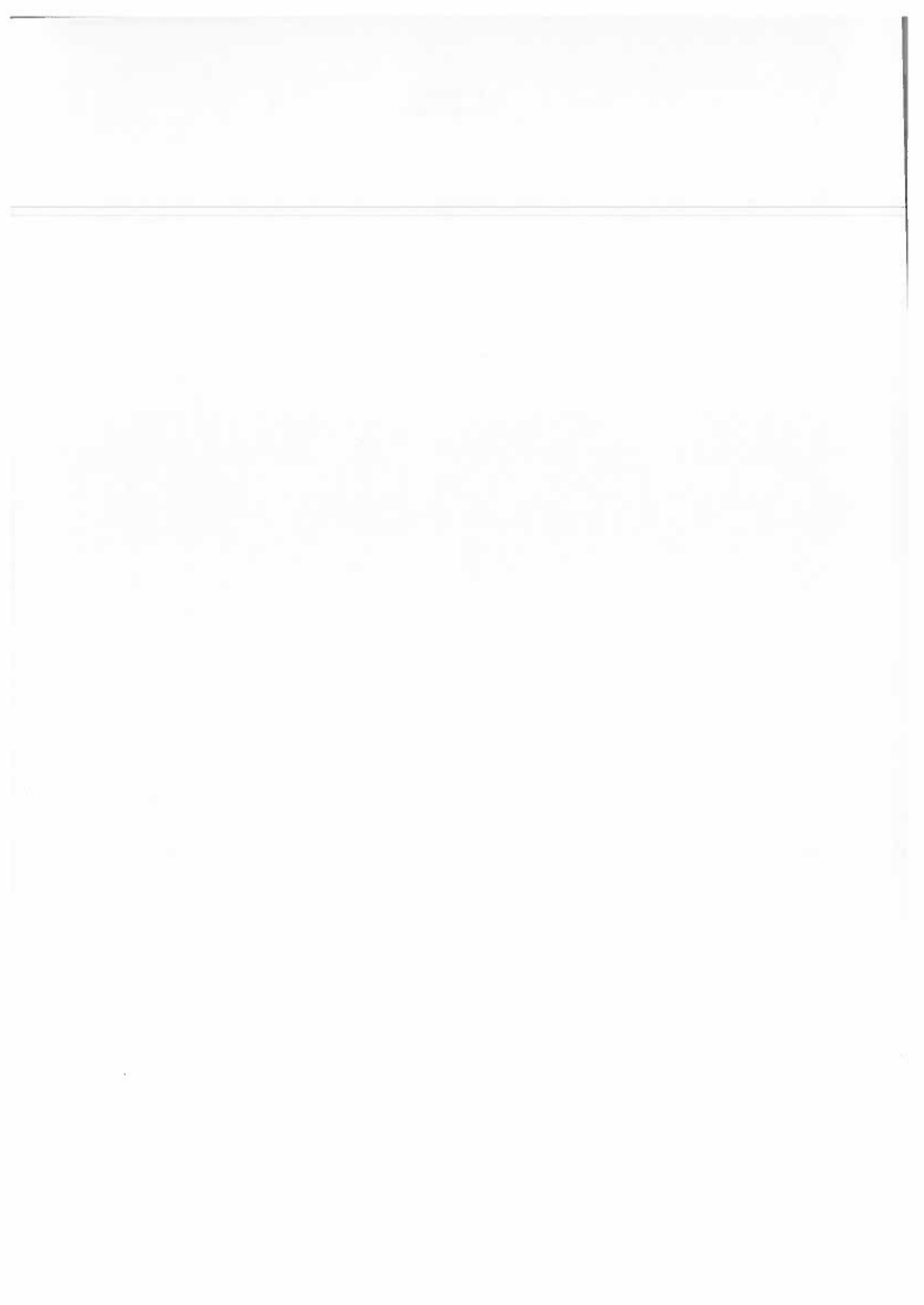
No.	21 Ddit Code	Property Description
1	T0JS0000000003140014	Portion 14 of Farm Rietfontein 314 JS
2	T0JS0000000003150034	Portion 34 of Farm Goedehoop 315 JS
3	T0JS0000000003140002	Portion 2 of Farm Rietfontein 314 JS

55m SERVITUDE LANDOWNER DATABASE

No.	21 Digit Code	Property Description
1	TOJS00000000031400014	Portion 14 of Farm Rietfontein 314 JS
2	TOJS00000000031400002	Portion 2 of Farm Rietfontein 314 JS
3	TOJS00000000031400017	Portion 17 of Farm Rietfontein 314 JS
4	TOJS00000000031400031	Portion 31 of Farm Rietfontein 314 JS
5	TOJS00000000029100019	Portion 19 of Farm Elandspruit 314 JS
6	TOJS00000000031400034	Portion 34 of Farm Rietfontein 314 JS
7	TOJS00000000028700027	RE of Portion 27 of Middleburg Town and Townlands 287 JS
8	TOJS00000000029000002	Portion 2 of Farm Uitkyk 290 JS
9	TOJS00000000029000007	Portion 7 of Farm Uitkyk 290 JS
10	TOJS00000000028600001	RE of Portion 1 of Farm Rietfontein 286 JS
11	TOJS00000000028600004	Portion 4 of Farm Rietfontein 286 JS
12	TOJS00000000028600012	RE of Portion 12 of Farm Rietfontein 286 JS
13	TOJS00000000028600009	Portion 9 of Farm Rietfontein 286 JS
14	TOJS00000000028600008	Portion 8 of Farm Rietfontein 286 JS
15	TOJS00000000028600000	RE of Farm Rietfontein 286 JS
16	TOJS00000000028600002	Portion 2 of Farm Rietfontein 286 JS
17	TOJS00000000028700363	Portion 363 of Middleburg Town and Townlands 287 JS
18	TOJS00000000028700352	Portion 352 of Middleburg Town and Townlands 287 JS
19	TOJS00000000032000001	Portion 1 of Farm Toevlugt 320 JS
20	TOJS00000000037400044	Portion 44 of Farm Keerom 374 JS
21	TOJS00000000032000000	RE of Farm Toevlugt 320 JS
22	TOJS00000000026800007	Portion 7 of Farm Koelenhof 268 JS
23	TOJS00000000026700019	Portion 19 of Farm Leeuwpootje 267 JS
24	TOJS00000000026700010	Portion 10 of Farm Leeuwpootje 267 JS
25	TOJS00000000026700029	Portion 29 of Farm Leeuwpootje 267 JS
26	TOJS00000000026700004	Portion 4 of Farm Leeuwpootje 267 JS
27	TOJS00000000026700005	Portion 5 of Farm Leeuwpootje 267 JS
28	TOJS00000000026700030	Portion 30 of Farm Leeuwpootje 267 JS
29	TOJS00000000024400009	Portion 9 of Farm Goedehoop 244 JS
30	TOJS00000000024400010	Portion 10 of Farm Goedehoop 244 JS
31	TOJS00000000024400012	Portion 12 of Farm Goedehoop 244 JS
32	TOJS00000000024400000	RE of Farm Goedehoop 244 JS
33	TOJS00000000024400008	Portion 8 of Farm Goedehoop 244 JS
34	TOJS00000000024200000	RE of Farm Mooiplaats 242 JS
35	TOJS00000000034100010	Portion 10 of Farm Kliprivier 341 JS
36	TOJS00000000034100003	Portion 3 of Farm Kliprivier 341 JS
37	TOJS00000000034100002	Portion 2 of Farm Kliprivier 341 JS
38	TOJS00000000011800002	Portion 2 of Farm Polfontein 118 JS
39	TOJS00000000011800000	RE of Farm Polfontein 118 JS
40	TOJS00000000011400000	RE of Farm Alpha 114 JS
41	TOJS00000000011500001	Portion 1 of Farm Zeekoegat 115 JS
42	TOJS00000000011500003	Portion 3 of Farm Zeekoegat 115 JS
43	TOJS00000000011500006	Portion 6 of Farm Zeekoegat 115 JS

No.	21 Digit Code	Property Description
44	T0J50000000001150005	Portion 5 of Farm Zeekoegat 115 JS
45	T0J50000000007300000	RE of Farm Ringer 73 JS
46	T0J50000000007300003	Portion 3 of Farm Ringer 73 JS
47	T0J50000000007300001	Portion 1 of Farm Ringer 73 JS
48	T0J50000000007600006	Portion 6 of Farm Laagersdrif 76 JS
49	T0J50000000007600004	Portion 4 of Farm Laagersdrif 76 JS
50	T0J50000000007600002	RE of Portion 2 of Farm Laagersdrif 76 JS
51	T0J50000000007600003	RE of Portion 3 of Farm Laagersdrif 76 JS
52	T0J50000000007600005	Portion 5 of Farm Laagersdrif 76 JS
53	T0J50000000005300174	Portion 174 of Farm Loskop Suid 53 JS
54	T0J50000000005300064	Portion 64 of Farm Loskop Suid 53 JS
55	T0J50000000005300000	RE of Farm Loskop Suid 53 JS
56	T0J50000000005300063	Portion 63 of Farm Loskop Suid 53 JS
57	T0J50000000005300431	Portion 431 of Farm Loskop Suid 53 JS
58	T0J500000000007100000	RE of Farm Kameeldoom 71 JS
59	T0J50000000005300057	Portion 57 of Farm Loskop Suid 53 JS
60	T0J50000000007100010	Portion 10 of Farm Kameeldoom 71 JS
61	T0J50000000007100009	RE of Portion 9 of Farm Kameeldoom 71 JS
62	T0J50000000007100020	Portion 20 of Farm Kameeldoom 71 JS
63	T0J50000000007100008	RE of Portion 8 of Farm Kameeldoom 71 JS
64	T0J50000000007100007	Portion 7 of Farm Kameeldoom 71 JS
65	T0J50000000007100005	Portion 5 of Farm Kameeldoom 71 JS
66	T0J50000000007100001	RE of Portion 1 of Farm Kameeldoom 71 JS
67	T0J50000000005300180	Portion 180 of Farm Loskop Suid 53 JS
68	T0J50000000005300181	Portion 181 of Farm Loskop Suid 53 JS
69	T0J50000000005300111	Portion 111 of Farm Loskop Suid 53 JS
70	T0J50000000005300270	Portion 270 of Farm Loskop Suid 53 JS
71	T0J50000000005300222	Portion 222 of Farm Loskop Suid 53 JS
72	T0J50000000005300248	Portion 248 of Farm Loskop Suid 53 JS
73	T0J50000000101000000	RE of Farm Raobodkooi 1010 JS
74	T0J50000000002600000	RE of Farm Klipbank 26 JS
75	T0J50000000002600047	Portion 47 of Farm Klipbank 26 JS
76		Kleinwater Fontein 42 JS - Not clickable on planet
77	T0J50000000002600064	Portion 54 of Farm Klipbank 26 JS
78	T0J50000000001200996	Portion 996 of Farm Loskop Noord 12 JS
79	T0J50000000001200991	Portion 991 of Farm Loskop Noord 12 JS
80	T0J50000000001200990	Portion 990 of Farm Loskop Noord 12 JS
81	T0J50000000001400006	Portion 6 of Farm Vaalfontein 14 JS
82	T0J50000000001400005	Portion 5 of Farm Vaalfontein 14 JS
83	T0J50000000001400004	Portion 4 of Farm Vaalfontein 14 JS
84	T0J50000000001400007	RE of Portion 7 of Farm Vaalfontein 14 JS
85	T0J50000000001201064	Portion 1064 of Farm Loskop Noord 12 JS
86	T0J50000000001201204	Portion 1204 of Farm Loskop Noord 12 JS
87	T0J50000000001201065	RE of Portion 1065 of Farm Loskop Noord 12 JS
88	T0J50000000001200689	Portion 689 of Farm Loskop Noord 12 JS
89	T0J50000000001201205	Portion 1205 of Farm Loskop Noord 12 JS
90	T0J50000000001201208	Portion 1208 of Farm Loskop Noord 12 JS

**APPENDIX 6
PROJECT MAP**





EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA

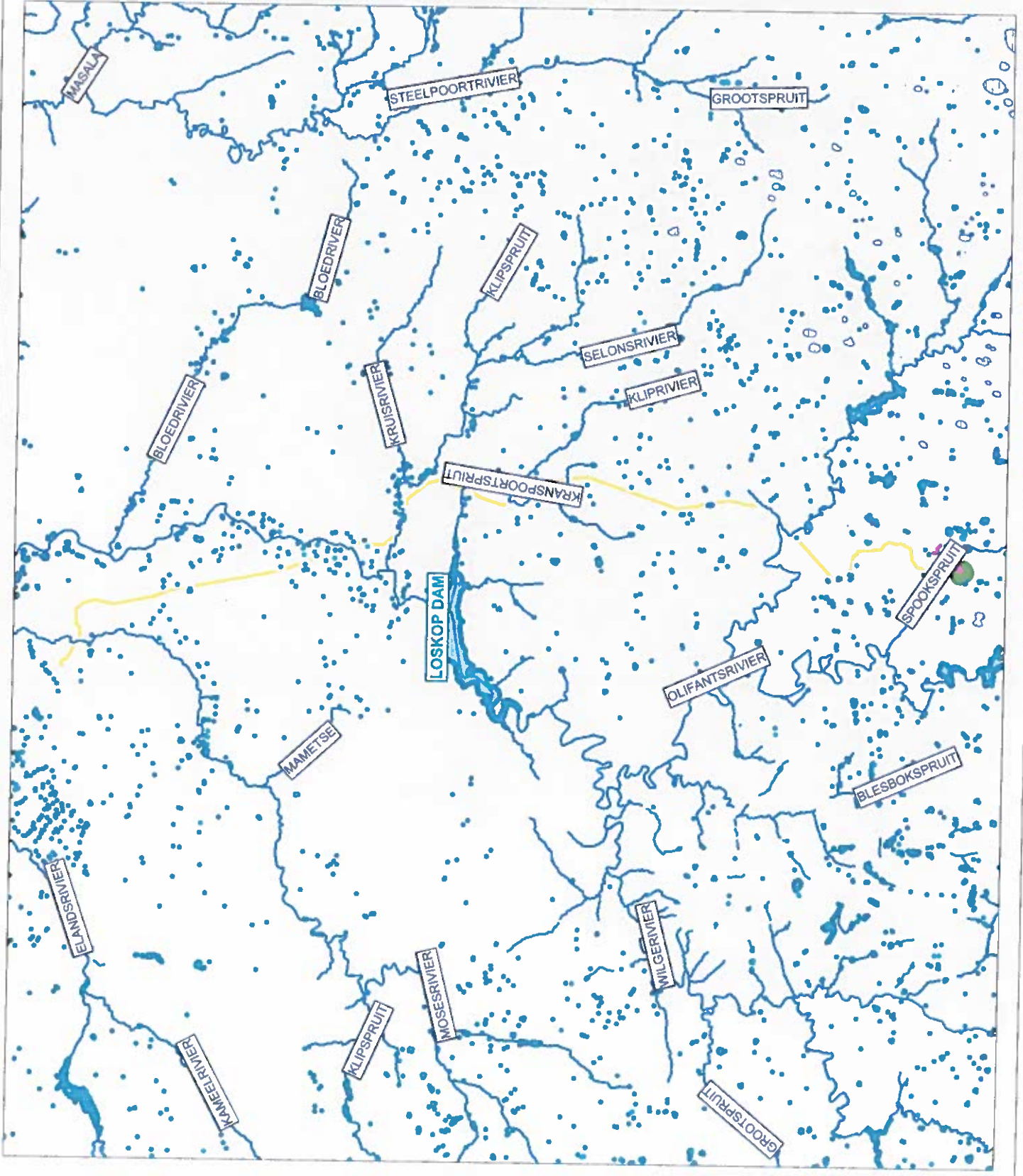
Surface Water Map

Legend

- 400kV
- Powerline
- Substation
- Boundary
- Loop in Lines for Substation
- Perennial center line
- Dam
- Perennial pan

Scale 1:500000

0 3 6 9 15 km



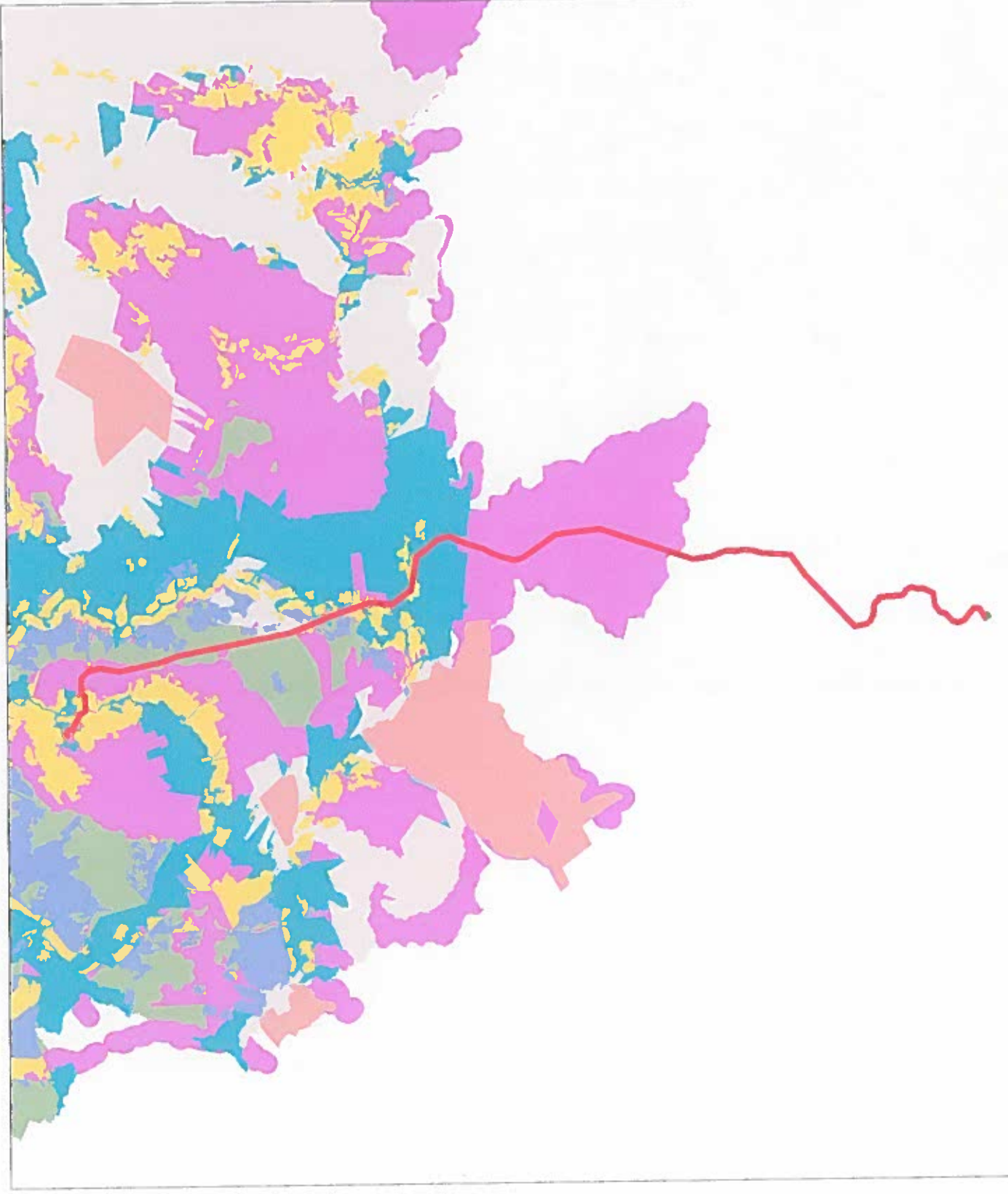


**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**

Limpopo C-Plan Map

Legend

- Proposed Substation
- 55m Servitude
- Limpopo C-Plan
- Critical Biodiversity Area 1
- Critical Biodiversity Area 2
- Ecological Support Area 1
- Ecological Support Area 2
- No Natural Remaining
- Other Natural Area
- Protected Area





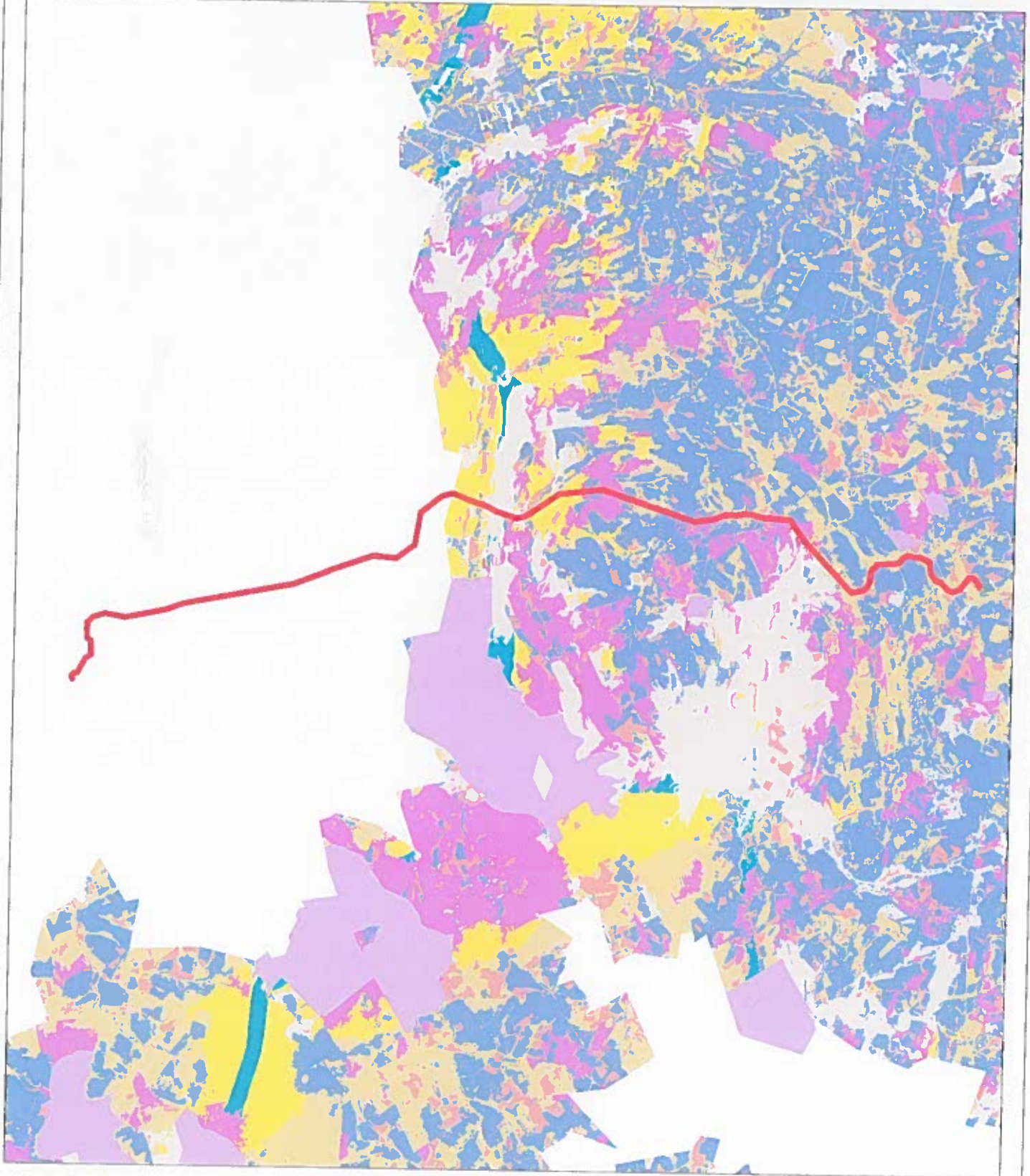
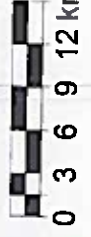
**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**

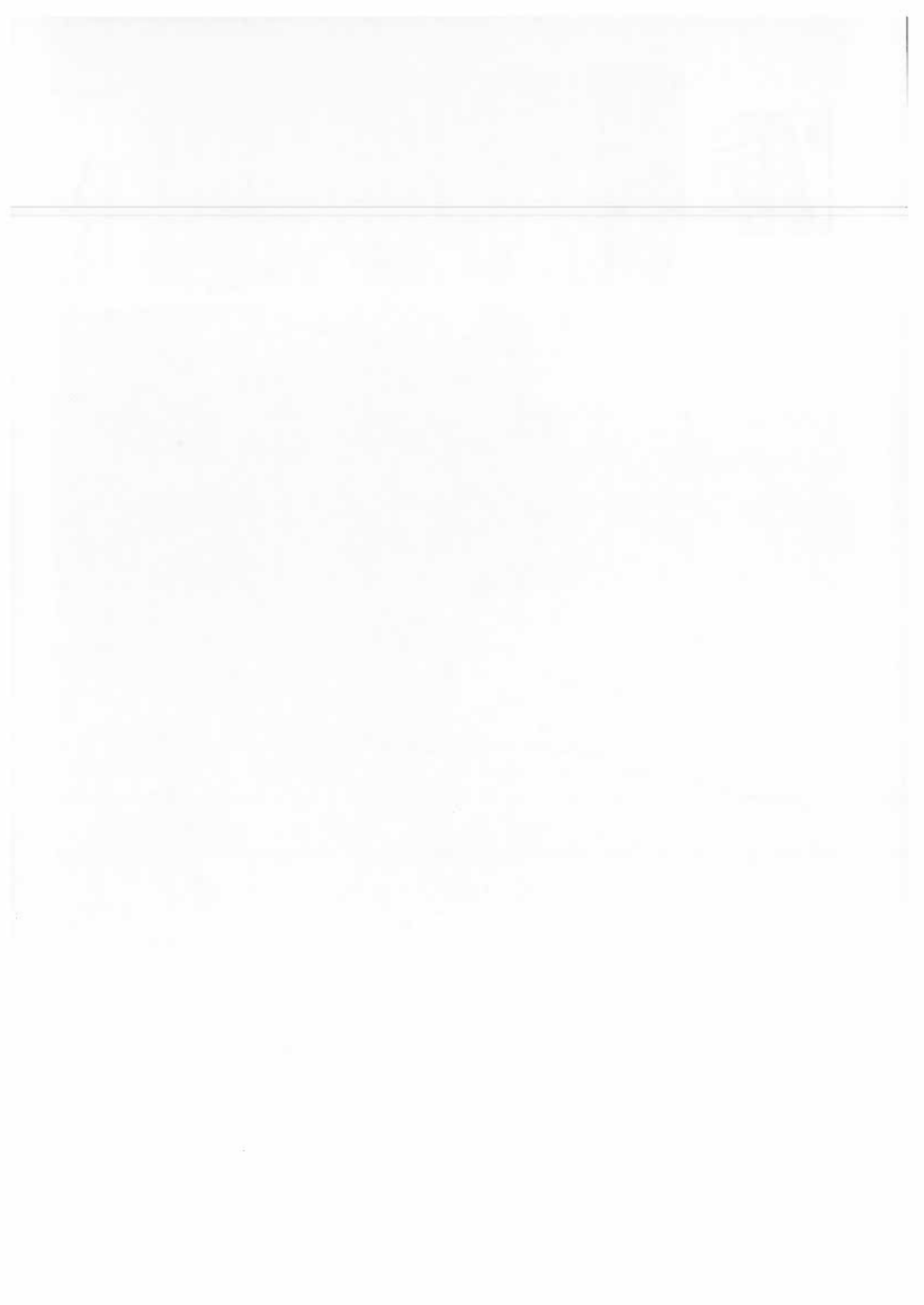
Mpumalanga BSP Map

Legend

-  Proposed Substation
-  55m Servitude
-  MBSP2
-  CBA Irreplaceable
-  CBA Optimal
-  ESA Landscape corridor
-  ESA Local corridor
-  ESA Species Specific
-  Heavily modified
-  Moderately modified-
-  Old lands
-  Other Natural Areas
-  Protected Areas

Scale 1:500000





**APPENDIX 7
PROJECT SCHEDULE**

PROGRAMME

EIA for the Proposed Emkhotweni Substation and 400kV Line from Emkhotweni Substation to Salmets

ID	Task Name	Duration	Start	Finish	Professionals
1	Inception Phase	5 days	Mon 28/08/17	Fri 01/09/17	
2	Inception Meeting	1 day	Mon 28/08/17	Mon 28/08/17	
3	Gather Information	4 days	Tue 29/08/17	Fri 01/09/17	
4	Scoping Phase	199 days	Mon 04/09/17	Fri 06/07/18	
5	Application Form & Scoping Report	163 days	Mon 04/09/17	Thu 17/05/18	
6	Complete Draft Application Form & Draft Scoping Report	38 days	Mon 04/09/17	Wed 25/10/17	
7	Client Review & Amendments	5 days	Thu 20/10/17	Wed 01/11/17	
8	Project on Hold	67 days	Thu 02/11/17	Mon 20/02/18	
9	Client Review and Amendments	26 days	Tue 27/02/18	Tue 27/03/18	
10	Client Approval	2 days	Wed 28/03/18	Thu 29/03/18	
11	I&AP's Review of Draft Scoping Report	31 days	Tue 03/04/18	Thu 17/05/18	
12	Undertake Public Notification	7 days	Tue 03/04/18	Wed 11/04/18	
13	Submit Application Form and dSR to DEA	2 days	Thu 12/04/18	Fri 13/04/18	
14	Authorities & IAP's Review of dSR	22 days	Mon 16/04/18	Thu 17/05/18	
15	Finalise SR	4 days	Fri 19/05/18	Wed 23/05/18	
16	Submit ISR to DEA	1 day	Thu 24/05/18	Thu 24/05/18	
17	DEA Review and Acceptance	31 days	Fri 25/05/18	Fri 06/07/18	
18	EIA Phase	131 days	Mon 06/07/18	Tue 29/01/19	
19	EIA Report	42 days	Mon 06/07/18	Wed 03/09/18	
20	Reporting	13 days	Mon 06/07/18	Wed 25/07/18	
21	Complete Draft EIA Report	8 days	Mon 06/07/18	Wed 16/07/18	
22	Client Review & Amendments	5 days	Thu 19/07/18	Wed 25/07/18	
23	I&AP's Review of Draft EIA Report	24 days	Thu 26/07/18	Wed 29/08/18	
24	Notification of Review	2 days	Thu 26/07/18	Fri 27/07/18	
25	Authorities & IAP's Review of dEIR	22 days	Mon 30/07/18	Wed 29/08/18	
26	Finalise EIA Report	4 days	Thu 30/08/18	Tue 04/09/18	
27	Submit Final EIA Report to DEA	1 day	Wed 05/09/18	Wed 05/09/18	
28	DEA Review and Decision	77 days	Thu 06/09/18	Fri 11/01/19	
29	IAP Notification & Appeal Period	12 days	Mon 14/01/19	Tue 29/01/19	

APPENDIX 8
DECLARATION OF THE APPLICANT

I, Annah Kawadza, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.


Signature³ of the applicant/ Signature on behalf of the applicant

Eskom Holdings SOC Ltd

Name of company (if applicable)

29 March 2018

Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

APPENDIX 9
9.1 DECLARATION OF THE EAP

I, KRISTY ROBERTSON, declare that -

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the environmental assessment practitioner

NEMA CONSULTING

Name of company:

03/04/2018

Date

APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, KRISTY ROBERTSON, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

Kristy
Signature of the environmental assessment practitioner

NEMAI CONSULTING
Name of company

03/04/2018
Date

ABC
Signature of the commissioner of oaths

04/04/2018
Date

CERTIFIED A TRUE COPY OF THE ORIGINAL DOCUMENT
GESERTIFISEER 'N WARE AF-SKRIF VAN
OORSPRONKLIKE DOKUMENT
BRENDA PERUMAL
MALANI PADAYACHEE AND ASSOCIATES (PTY) LTD
REG No: 1997 009813/07
JOHANNESBURG NORTH MAGISTERIAL DISTRICT,
HAMBURG
REF No: 12 04/2018
EX OFFICIO COMMISSIONER OF OATHS

SIGNED BY: _____
DATE: _____

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