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Environmental

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Department of Environmental Affairs
Environment House
473 Steve Biko
Arcadia
PRETORIA
0083

NEAS Reference: DEA/EIA/0001402/2012
DEA Reference: 14/12/16/3/3/1/680
Our reference: 13993
Date: 16 May 2017

ATTENTION: THE DIRECTOR FOR EIA

Dear Sir/Madam

APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED MOOKODI INTEGRATION PHASE 2: CONSTRUCTION OF THE MOOKODI-GANYESA 123KV POWER LINE, NEW PROPOSED GANYESA SUBSTATION AND HAVELOCK LILO, NORTH WEST PROVINCE

- NEAS REF NO: DEA/EIA/0001402/2012
- DEA REF NO: 14/12/16/3/3/1/680

Eskom Holdings SOC Limited, (hereafter referred to as 'Eskom') was issued with an Environmental Authorisation (EA) on 02 February 2015 for the proposed construction of the Mookodi-Ganyesa power line, new proposed Ganyesa substation and Havelock Lilo in the North West province.

An amendment to the EA is required as the location of the proposed Ganyesa substation needs to be moved from the authorised position to a location closer to the road. This is based on consultation and negotiations with the relevant landowner

In addition, Eskom is applying to amend the contact details of the applicant.

As such, SIVEST hereby submits the application form to amend the above mentioned EA.

Kindly acknowledge receipt of this communication.

Yours sincerely

Andrea Gibb
Environmental Practitioner
SIVEST Environmental Division

Application for Amendment of Environmental Authorisation



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

Kindly note that:

1. This form must be used to apply for the amendment of an environmental authorisation. An amendment includes:
 - a) adding, substituting, removing or changing a condition or requirement of an environmental authorisation, or
 - b) updating or changing any details or correcting a technical error.
2. This form is current as of 08 December 2014. It is the responsibility of the Applicant / EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
3. The required information 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. It is in the form of a table that can extend itself as each space is filled with typing.
4. Incomplete applications may be rejected or returned to the applicant for amendment.
5. The use of "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the competent authority for assessing the application, this may result in the rejection of the application as provided for in the regulations.
6. **No faxed or e-mailed applications will be accepted.**
7. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the competent authority. Upon request during any stage of the application process, the applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
8. This form must be submitted to the Department at the postal address given below or by delivery thereof to the Registry Office of the Department. Should the application form and attached reports not be submitted to the addresses given below it will be rejected.
9. Proof of payment of the prescribed fee of R2000 must accompany the submission of this form, unless an exclusion applies (see section 1 below). The application will not be processed without proof of payment unless one of the exclusions provided for in the fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.

Application for Amendment of Environmental Authorisation

DEPARTMENTAL DETAILS

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 directed to the Directorate: Integrated Environmental Authorisations at:
Tel: (012) 399-9372 Email: 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.

Application for Amendment of Environmental Authorisation

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 as Appendix 1 of this application form.

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	<input type="checkbox"/>
The applicant is an organ of state	<input checked="" type="checkbox"/>

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

Payment Enquiries:

Tel: 012 399 9119

Email: eiafee@environment.gov.za

Banking details:

ABSA Bank

Branch code: 632005

Account number: 1044 2400 72

Current account

Reference number :(application reference number to be used)

Proof of payment must accompany the application form:

Tax exemption status:

Status: Tax exempted

Application for Amendment of Environmental Authorisation

2. APPLICATION DETAILS

Name of person to whom the environmental authorisation was issued:	Eskom Holdings SOC Limited		
Contact person:	Amy Harington		
Postal address:	P.O. Box 370, KLERKSDORP		
	Postal code: 2570		
Telephone:	018 464 6834	Cell:	074 190 7902
E-mail:	086 566 6309	Fax:	amy.harington@eskom.co.za

Environmental Assessment Practitioner (EAP):	SiVEST SA (Pty) Ltd		
Contact person:	Andrea Gibb		
Postal address:	PO Box 2921, RIVONIA		
	Postal code: 2128		
Telephone:	011 798 0600	Cell:	072 587 6525
E-mail:	andreag@sivest.co.za	Fax:	011 803 7272


EAP Qualifications:	BSc (hons) Environmental Management (UNISA) BSc Landscape Architecture (University of Pretoria)		
EAP Registrations/Associations:	None		

Name of landowner if the person to whom the environmental authorisation has been issued is not the owner:	Barolong Ba Ga Letlhogile Tlou Le Tau		
Contact person:	Office of the Traditional Council - Lesley		
Postal address:	P/Bag x507 Ganyesa		
	Postal code:	8613	
Telephone:	0539983305	Cell:	0796731166
E-mail:		Fax:	
	In instances where there is more than one landowner, please attach a list of landowners with their contact details to the back of this page, together with copies of the notices given to these landowners about the amendment application.		

Application for Amendment of Environmental Authorisation

Project Description:	Eskom Holdings SOC Limited intends to develop a 132kV power line from the Mookodi Main Transmission Substation (MTS) to the new proposed Ganyesa Substation. Furthermore the construction of a 132kV/22kV Substation (referred to as Ganyesa Substation) and a Loop-in, Loop-out (LILO) power line between the new proposed Mookodi-Ganyesa 132kV power line and Havelock Substation is also required. An environmental authorisation (EA) was issued by the Department of Environmental Affairs (DEA) for the Mookodi Ganyesa 132kV power line and Ganyesa Substation on 02 February 2015 (DEA Ref No.: 14/12/16/3/3/1/680). The authorised substation location needs to be moved to a new location that falls within the assessed and authorised area.
Farm name, Erf No., portion etc:	Portion 0 of the Farm Ausbrey No. 403
Physical address where authorised activity is taking or will take place:	Portion 0 of the Farm Ausbrey No. 403, near Vryburg, North West Province
Magisterial District or Town:	Naledi and Kagisano/Molopo Local Municipality and Dr. Ruth S. Mompoti District Municipality
Departmental reference number of the previous environmental authorisation in respect of which an amendment is applied for:	NEAS Reference: DEA/EIA/0001402/2012 DEA Reference: 14/12/16/3/3/1/680
Date of issue of environmental authorisation:	02 February 2015
Activity/ies for which authorisation was granted:	GN R. 544: Item 10(i), 11(xi), 18(i), 24 GNR. 546: 4(ii)(aa)(ee)(gg), 12(b), 16(iv)(a)(ii)(aa)(ff)(hh)
Please Note: A certified copy of the environmental authorisation must be attached to this application as Appendix 2.	

3. DETAILS OF IMPLEMENTATION OF PREVIOUS ENVIRONMENTAL AUTHORISATION

Was the activity commenced with during the validity period of the environmental authorisation? If yes, please describe the implementation of the previous environmental authorisation to date:	 ✓ NO
The activity has not commenced to date.	

4. AMENDMENTS APPLIED FOR AND RELATED INFORMATION

Please indicate which of the following is relevant:

4.1. The holder of an environmental authorisation may at any time apply to the relevant competent authority for the amendment of the authorisation if:

(a) there is a material change in the circumstances which existed at the time of the granting of the environmental authorisation;	 ✓ NO
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Application for Amendment of Environmental Authorisation

(b) there has been a change of ownership in the property and transfer of rights and obligations must be provided for; or	✓ YES	
(c) any detail contained in the environmental authorisation must be amended, added, substituted, corrected, removed or updated.	✓ YES	

4.2. Describe the amendments that are being applied for:

An EA was issued by the DEA for the Mookodi Ganyesa 132kV power line and Ganyesa Substation on 02 February 2015 (DEA Ref No.: 14/12/16/3/3/1/680). An amendment to the EA is required as the location of the proposed Ganyesa substation needs to be moved from the authorised position to a location closer to the road. This is based on consultation and negotiations with the relevant landowner. The new proposed location for the Ganyesa substation falls within the previously assessed and approved 100m corridor. This corridor was approved and accessed as part of the proposed Mookodi to Ganyesa power line and substation Basic Assessment. Refer to Appendix 3 for a map showing the proposed new location of the Ganyesa Substation.

As such, the coordinates for the substation as described on page 5 of the EA should be amended:

From:

Substation Alternative 2 (Preferred)	Latitude	Longitude
Centre point of activity	26° 29.673'	24° 14.454'

To:

Substation Alternative 2 (Preferred)	Latitude	Longitude
Centre point of activity	29° 26.698'	13° 44.030'

In addition, due to internal restructuring, the contact details and contact person described on page 2 of the EA should be amended as indicated in 4.4 below.

4.3. Please provide the reasons and/or a motivation for the application for amendment:

As a result of negotiations with the affected landowner the location of the proposed Ganyesa Substation has been requested to be moved closer to the road that separates the Ganyesa and Goodwood Farms. The location of the proposed substation closer to the road also allows Eskom easier access to the substation for construction and maintenance.

4.4. Should the amendment being requested result due to 4.1 (b) above, you are requested to furnish the Department with a written undertaking that the new holder of the environmental authorisation is willing and able to assume responsibility of the environmental authorisation issued. Provide a short motivation and explanation below:

Due to internal restructuring, the contact details and contact person described on page 2 of the EA should be amended:

From:

Ms Blondie Moukangwe
Eskom Holdings SOC Limited
P.O. Box 242
KLERKSDORP

Application for Amendment of Environmental Authorisation

2570

Tel: 018 464 6691

Fax: 086 662 3952

E-mail: moukanmb@eskom.co.za

To:

Ms Amy Harington

Eskom Holdings SOC Limited

P.O. Box 370

KLERKSDORP

2570

Tel: 018 464 6834

Fax: 086 566 6309

E-mail: amy.harington@eskom.co.za

Refer to Appendix 4 for a written undertaking that the new holder of the EA is willing and able to assume responsibility of the EA issued.

5. ENVIRONMENTAL IMPACTS

5.1. Describe any negative environmental impacts that may occur if the application for amendment is granted, amongst others information on any increases in air emissions, waste generation, discharges to water and impacts of the natural or cultural environment must be included.

No additional negative environmental impacts will occur if the application for amendment is granted. All specialists that undertook the original environmental assessments for the Basic Assessment Report were consulted to obtain their opinion on whether there will be any change or increase in the potential impacts anticipated for the proposed new Ganyesa substation location. All the specialists have confirmed that the findings in their original reports hold true and that no change or increase in the potential impacts are anticipated with regards to the relocation of the environmentally approved Ganyesa substation. All specialist letters confirming this can be found in Appendix 6.

5.2. Describe any negative environmental impacts that may occur if the application for amendment is not granted.

There are no negative environmental impacts if the amendment application is not approved. However, if the application for amendment is not granted, the proposed development cannot proceed and the benefits of the project for providing and increasing electricity capacity will not be realised.

5.3. Describe any positive environmental impacts that may occur if the application for amendment is granted, amongst others information on any reduction in the ecological footprint, air emissions, waste generation and discharges to water must be included.

The proposed amendment will have a positive impact with regards to the project as a whole, as the project will be allowed to commence. As such, the positive impacts on the economy and of employment creation will be able to be realised. The relocation of the Ganyesa substation also allows for easier access to the substation site for construction and maintenance purposes, as well as decreases the disturbance to the affected landowner's property.

Application for Amendment of Environmental Authorisation

6. AUTHORISATION FROM OTHER GOVERNMENT DEPARTMENTS

6.1. Are any permission, licenses or other authorisations required from any other departments before the requested amendments can be effected?	<input checked="" type="checkbox"/> NO
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If yes, please complete the table below.

Name of department and contact person	Authorisation required	Authorisation applied for (Yes/ No)
N/A		

7. RIGHTS OR INTERESTS OF OTHER PARTIES

In your opinion, will this proposed amendment adversely affect the rights and interests of other parties?	<input checked="" type="checkbox"/> NO
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The proposed amendment will not affect the rights of interested and affected parties. The proposed relocation of the Ganyesa substation is expected to positively affect the rights and interests of the directly affected landowner, by resulting in less disturbance to the landowner's farm as the new proposed location of the Ganyesa substation is closer to the road. The landowner has been notified of the amendment application (refer to Appendix 5), wherein their rights and interests have been addressed.

NOTE: The Department is entitled to request further information if it believes it is necessary for the consideration of the application. If the application is for a substantive amendment or if the rights or interests of other parties are likely to be adversely affected, the Department will instruct the applicant to conduct a public participation process and to conduct any investigations and assessments that it deems necessary.

8. DECLARATION:

I, Amy Harington, declare that I will comply with all my legal obligations in terms of this application and provide accurate information to everyone concerned in respect to this application.


Signature of the applicant:

Eskom Holdings SOC Limited
Name of company or organisation:

Date: 9/5/2017

Application for Amendment of Environmental Authorisation

APPENDIX 1

PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

NOT APPLICABLE

The applicant and holder of the authorisation is Eskom Holdings SOC Limited

Application for Amendment of Environmental Authorisation

APPENDIX 2
CERTIFIED COPY OF ENVIRONMENTAL AUTHORISATION



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA · 0001· Environment House 473 Steve Biko Road, Arcadia, Pretoria
Tel (+ 27 12) 399 9372

NEAS Reference: DEA/EIA/0001402/2012

DEA Reference: 14/12/16/3/3/1/680

Enquiries: Ndivhudza Sebei

Telephone: 012-399-9408 E-mail: Nsebei@environment.gov.za

Ms Blondie Moukangwe
Eskom Holdings SOC Limited
P.O. Box 242
KLERKSDORP
2570

Tel: 018 464 6691
Fax: 086 662 3952
E-mail: moukanmb@eskom.co.za

PER FACSIMILE / MAIL

Dear Ms Moukangwe

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543, 544 AND 546: MOOKODI INTEGRATION PHASE 2: PROPOSED CONSTRUCTION OF THE MOOKODI-GANYESA 132kV POWER LINE, NEW PROPOSED GANYESA SUBSTATION, AND HAVELOCK LILO, 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 10(2) of the Environmental Impact Assessment Regulations, 2010 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 12 (twelve) days of the date of the EA, of the Department's decision in respect of your application as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 7 of the Regulations, which prescribes the appeal procedure to be followed. This procedure is summarised in the attached document. Kindly include a copy of this document with the letter of notification to interested and affected parties.

Should the applicant or any other party wish to appeal any aspect of the decision a notice of intention to appeal must be lodged by all prospective appellants with the Minister, within 20 days of the date of the EA, by means of one of the following methods:

By post: Private Bag X 447,
Pretoria, 0001; or

By hand: Environment House
437 Steve Biko Road
Arcadia
Pretoria

Certified true copy of Original
Gesertifiseerde afskrif van Oorspronklike
Laurens Jansen van Rensburg 21/05/2017
LAURENS JANSEN VAN RENSBURG O(SA)
Posbus 242, Klerksdorp, 2570

Commissioner of Oaths.
Kommissaris van Ede
for the Republic of South Africa
In terms of Section 6 (para 54) of the
Justice of the Peace and Commissioners
of Oaths Act 18/1983

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection, should you intend to submit an appeal.

Please include the Department (*Attention: Director: Integrated Environmental Authorisations*) in the list of interested and affected parties, notified through your notification letter to interested and affected parties, for record purposes.

Appeals must be submitted in writing to:

Mr Z Hassam Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-399-9356

Email: AppealsDirectorate@environment.gov.za

The authorised activities shall not commence within twenty (20) days of the date of signature of the authorisation. Further, please note that in terms of section 43(7) of the National Environmental Management Act, 1998, an appeal under section 43 of that Act will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

Yours faithfully



Mr Sabelo Malaza

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

Date: 2/2/2015

CC:	Ms R Thomas	SIVEST (Pty) Ltd.	Tel: 011-798-0600	Email: rebeccat@sivest.co.za
	Mr S Mukhola	North West DEDECT	Tel: 018-389-5959	Email: smukhola@nwpg.gov.za
	Ms I Botha	Naledi Local Municipality	Tel: 053-928-2217	Email: inabotha@naledi.gov.za
	Mr M Mofokeng	Kagisano/Molopo Local Municipality	Tel: 053-994-9418	Email: mofokengm@taunglm.co.za

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Gesertifiseerde afskrif van Oorspronklike
 8/09/2017
LAURENS JANSEN VAN RENSBURG O(SA)
Posbus 242, Klerksdorp, 2570

Commissioner of Oaths
Kommissaris van Ede
for the Republic of South Africa
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APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF THE NEMA EIA REGULATIONS, 2010 (THE REGULATIONS) AS PER GN R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ENVIRONMENTAL AUTHORISATION (EA)

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive EA from the relevant Competent Authority (the Department of Environmental Affairs [DEA]).	1. Receive EA from Applicant/Consultant.
2. Within 12 days of date of the EA notify all IAPs of the EA and draw their attention to their right to appeal against the EA in terms of Chapter 7 of the Regulations.	2. N/A.
3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Environmental Affairs (the Minister).	3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA. with the Minister of Environmental Affairs (the Minister).
4. After having submitted your notice of intention to appeal to the Minister, provide each registered IAP with a copy of the notice of intention to appeal within 10 days of lodging the notice.	4. After having submitted your notice of intention to appeal to the Minister, provide the applicant with a copy of the notice of intention to appeal within 10 days of lodging the notice.
5. The Applicant must also serve on each IAP: <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection. 	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.
6. The appeal must be submitted in writing to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.	6. The appeal must be submitted to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.
7. Any IAP who received a notice of intention to appeal may submit a responding statement to that appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.	7. An Applicant who received notice of intention to may submit a responding statement to the appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.

NOTES:

1. An appeal must be:-
 - a) submitted in writing;
 - b) accompanied by:
 - a statement setting out the grounds of appeal;
 - supporting documentation which is referred to in the appeal; and
 - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62.

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Yvan Rensburg 8/8/2017
LAURENS JANSSEN VAN RENSBURG O(SA)
Posbus 242, Klerksdorp, 2570
Commissioner of Oaths
Kommissaris van Ede
for the Republic of South Africa
In terms of Section 6 (para 54) of the
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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of regulation 36 of the Environmental Impact Assessment Regulations, 2010

Mookodi Integration Phase 2: Construction of the Mookodi-Ganyesa 132kV power line, new proposed Ganyesa Substation, and Havelock LILO, North West Province

Dr Ruth Segomotsi Mompati District Municipality

Authorisation register number:	14/12/16/3/3/1/680
NEAS reference number:	DEA/EIA/0001402/2012
Last amended:	First issue
Holder of authorisation:	Eskom Holdings SOC Limited
Location of activity:	NORTH WEST PROVINCE: Within the Naledi Local Municipality and Kagisano/Molopo Local Municipality

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

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Laurens Jansen van Rensburg 8/05/2017
LAURENS JANSEN VAN RENSBURG O(SA)
Posbus 242, Klerksdorp, 2570

Commissioner of Oaths
Kommissaris van Ede
for the Republic of South Africa
In terms of Section 6 (para 54) of the
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Decision

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

Non-compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

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 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises –

ESKOM HOLDINGS SOC LIMITED

with the following contact details –

Ms Blondie Moukangwe
Eskom Holdings SOC Limited
P.O. Box 242
KLERKSDORP
2570

Tel: 018 464 6691
Fax: 086 662 3952
E-mail: moukanmb@eskom.co.za

Certified true copy of Original
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Johan Rensburg 8/09/2017
LOURENS JANSSEN VAN RENSBURG O(SA)
Posbus 242, Klerksdorp, 2570
Commissioner of Oaths
Kommissaris van Ede
for the Republic of South Africa
In terms of Section 6 (para 54) of the
Justice of the Peace and Commissioners
of Oaths Act 18/1983

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notices 1 and 3 (GN R. 544 & 546):

Listed activities	Activity/Project description
<p><u>GN R.544 Item 10 :</u></p> <p>The construction of facilities or infrastructure for the transmission and distribution of electricity –</p> <p>(i) Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts</p>	<p>Eskom is proposing to develop a 132 kV power line, which is located outside an urban area.</p>
<p><u>GN R.544 Item 11 :</u></p> <p>The construction of:</p> <p>(xi) infrastructure or structures covering 50 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>The proposed corridor alternatives traverse several watercourses. The construction will occur within 32 meters of the watercourse.</p>
<p><u>GN R.544 Item 18:</u></p> <p>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from</p> <p>(i) a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving;</p> <p>(a) is for maintenance purposes undertaken in accordance with a management plan agreed to by the relevant environmental authority; or</p> <p>(b) occurs behind the development setback line.</p>	<p>The proposed corridor alternatives traverse several watercourses. Depending on the alignment of the power line within the authorised corridor, construction will occur within these watercourses. It is possible that construction activities will result in the removal or moving of material from these watercourses.</p> <p>Certified true copy of Original Gesertifiseerde afskrif van Oorspronklike <i>Johan Rensburg</i> 8/05/2017 LOURENS JANSSEN VAN RENSBURG O(SA) Posbus 242, Klerksdorp, 2570</p> <p>Commissioner of Oaths Kommissaris van Ede for the Republic of South Africa In terms of Section 6 (para 54) of the Justice of the Peace and Commissioners of Oaths Act 19/1983</p>
<p><u>GN R.544 Item 24 :</u></p> <p>The transformation of land bigger than 1000 square metres in size, to residential, retail , commercial, industrial or institutional use, where, at the time of the coming into effect of this schedule or thereafter such land was zoned open space, conservation or had an equivalent zoning.</p>	<p>The cumulative area of the land that will be transformed, due to the proposed tower structures will be greater than 1000 square metres in size- some of which may be zoned open space, conservation or have an equivalent zoning.</p>
<p><u>GN R.546 Item 4 :</u></p>	<p>Access roads will be required. One route</p>

Listed activities	Activity/Project description
<p>The construction of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>(ii) Outside urban areas, in:</p> <p>(aa) A protected area identified in terms of NEMPAA, excluding conservancies;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(gg) 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 a biosphere reserve.</p>	<p>alternative passes through the Leon Taljaard Nature Reserve and all three route alternatives pass within 5kms of this protected area. All three route alternatives pass through critical biodiversity areas.</p>
<p><u>GN R.546 Item 12:</u></p> <p>The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.</p> <p>(b) Within critical biodiversity areas identified in bioregional plans.</p>	<p>Vegetation would need to be cleared for the proposed substation. All three route alternatives pass through critical biodiversity areas.</p>
<p><u>GN R.546 Item 16:</u></p> <p>The construction of:</p> <p>(iv) infrastructure covering 10 square metres or more where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p> <p>(a) In North West:</p> <p>(ii) Outside urban areas, in:</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</p>	<p>The proposed corridor alternatives traverse several watercourses. Depending on the alignment of the power line within the authorised corridor, construction will occur within 32 meters of these watercourses. One route alternative passes through the Leon Taljaard Nature Reserve and all three route alternatives pass within 5kms of this protected area. All three route alternatives pass through critical biodiversity areas.</p>

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Lauren Jansen van Rensburg 8/05/2017
LAURENS JANSEN VAN RENSBURG O(SA)
Posbus 242, Klerkadorp, 2570

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for the Republic of South Africa
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of Oaths Act 18/1983

Listed activities	Activity/Project description
plans. (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 areas of a biosphere reserve.	

as described in the Basic Assessment Report (BAR) dated 06 November 2014 at:

Substation Alternative 2 (Preferred)	Latitude	Longitude
Centerpoint of activity	26° 29. 673'	24° 14. 454'

Power line Route Alternative 1 (Preferred)	Latitude	Longitude
Starting point of activity	27° 0. 591'	24° 44. 546'
Middle point of activity	26° 48. 815'	24° 20. 030'
End point of activity (TM2)	26° 27. 547'	24° 16. 597'

- for the construction of a 132kV power line from the existing Mookodi Substation to the proposed Ganyesa Substation, and Havelock LILO, within the Naledi Local Municipality and Kagisano/ Molopo Local Municipality, in the Dr. Ruth Segomotsi Mompati District Municipality, North West Province, hereafter referred to as "the property".

Infrastructure associated with the proposed development will include:

- Construction of a 132kV/22kV Substation (referred to as Ganyesa Substation).
- Construction of a 132kV power line from the Mookodi MTS to the new proposed Ganyesa Substation.
- Construction of a 132kV LILO power line between the new proposed Mookodi-Ganyesa 132kV power line and Havelock Substation.
- Construction of an access track along the power line servitude.
- Construction of associated infrastructure which includes the following:
 - Upgrades to existing access roads, as required; and
 - Upgrades to Mookodi Substation, as required (e.g. transformers of busbar extensions)

8/06/2017
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The power line will consist of a series of towers located approximately 200m apart. It is proposed that the steel monopole tower type; i.e. Eskom, D-DT 7649, that is bird-friendly, would be used for the proposed power line in combination with other towers, for instance the guyed steel lattice tower types at bend points and where greater distances need to be spanned. The steel monopole tower type is between 18 and 25m in height and each tower will have a footprint of between 0.8m² and 1.2m² (without stays).

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred route corridor Alternative 1 for the construction of a 132kV power line from the existing Mookodi Substation to the proposed Ganyesa Substation (Preferred Alternative 2), and Havelock LILO, within the Naledi Local Municipality and Kagisano/ Molopo Local Municipality, in the Dr. Ruth Segomotsi Mompati District Municipality, North West Province, with the above-mentioned co-ordinates as indicated in the final BAR dated 06 November 2014 is hereby authorised.
2. Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this 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 authorisation in terms of the regulations.
6. This activity must commence within a period of five (5) years from the date of issue of this authorisation. If commencement of the activity does not occur within that period, the authorisation

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LOURENS JANSSEN VAN RENSBURG O(SA)
Roshus 242, Klerksdorp, 2570

lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.

7. If the applicant anticipates that commencement of the activities would not occur within five (5) year period, he/she must apply and show good cause for an extension of the Environmental Authorisation six (6) months prior to its expiry date.
8. Commencement with one activity listed in terms of this authorisation constitutes commencement of all authorised activities.
9. The holder of an environmental authorisation must notify the competent authority of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.

Notification of authorisation and right to appeal

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
11. The notification referred to must –
 - 11.1. specify the date on which the authorisation was issued;
 - 11.2. inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment Regulations, 2010;
 - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 11.4. give the reasons of the competent authority for the decision.
12. The holder of the authorisation must publish a notice –
 - 12.1. informing interested and affected parties of the decision;
 - 12.2. informing interested and affected parties where the decision can be accessed; and
 - 12.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2) (c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.

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LAURENS JANSEN VAN RENSBURG O(SA)
Postbus 242, Klerksdorp, 2570

Management of the activity

13. The Environmental Management Programme (EMPr) submitted as part of the Application for EA is hereby approved. This EMPr must be implemented and adhered to.
14. The EMPr must be included in all contract documentation for all phases of the development.
15. The provisions of the approved EMPr is considered an extension of the conditions of this EA and therefore noncompliance with them would constitute noncompliance with the EA.

Monitoring

16. The applicant must appoint a suitably 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 authorisation are implemented and to ensure compliance with the provisions of the EMPr.
 - 16.1. The ECO must be appointed before commencement of any authorised activity/ies.
 - 16.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
 - 16.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
 - 16.4. 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

17. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the *Director: Compliance Monitoring* at the Department.
18. The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.
19. The environmental audit report 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 EMPr.

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20. 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.

Commencement of the activity

21. The authorised activity shall not commence within twenty (20) days of the date of signature of the authorisation.
22. In terms of section 43 (7) of the National Environmental Management Act (NEMA), Act 107 of 1998 (as amended), will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

Notification to authorities

23. Fourteen (14) days written notice must be given to the Department that the activity will commence. 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. This notification period may coincide with the notice of intent to appeal period.

Operation of the activity

24. Fourteen (14) days written notice must be given to the Department that the activity operational phase will commence.

Site closure and decommissioning

25. Should the activity ever cease or become redundant, the applicant shall 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.

relevant legal requirements
Original
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.....
LOUENS JANSSEN VAN RENSBURG O(SA)
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Specific conditions

26. An ecological specialist, avifaunal specialist, agricultural specialist and surface water specialist must be commissioned to perform a final walkthrough of the site once the final route alignment

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27. A heritage specialist must assess the footprint of each component of the infrastructure in order to determine whether any potentially significant heritage sites will be affected by the infrastructure. Recommendations must be made regarding the placement of towers and other infrastructure away from these sensitive areas, where possible. A Paleontological Impact Assessment must be compiled and submitted to the South African Heritage Resources Agency for approval prior to construction activities.
28. Anti-collision devices such as bird flappers must be installed where power line crosses avifaunal corridors. The input of an avifaunal specialist must be obtained for the fitting of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged.
29. Construction areas must be clearly demarcated and only approved areas must be used for storage and cement mixing.
30. Any cement or concrete mixing must be done on an impervious surface to prevent soil contamination
31. Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.
32. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal. Any solid waste shall be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

33. A copy of this authorisation and the approved EMPr must be kept at the property where the activity/ will be undertaken. The authorisation and approved EMPr must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.

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34. The holder of the authorisation must notify both the *Director: Integrated Environmental Authorisations* and the *Director: Compliance Monitoring* at the Department, in writing and within 48 (forty eight) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.
35. 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 applicant or his 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 applicant 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: 2/2/2015



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

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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 final BAR dated 06 November 2014;
- b) The comments received from organs of state and interested and affected parties as included in the final BAR dated 06 November 2014;
- c) Mitigation measures as proposed in the BAR dated 06 November 2014 and the EMPr;
- d) The information contained in the specialist studies contained within Appendix D of the final BAR; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act 107 of 1998).

2. Key factors considered in making the decision

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

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The purpose for this proposed power line project is to improve the electricity supply in North West Province.
- c) The methodology used in assessing the potential impacts identified in the final BAR dated 06 November 2014 and the specialist studies have been adequately indicated.
- d) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.

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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 final BAR dated 06 November 2014 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity 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 proposed activity can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

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.....
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APPENDIX 3
MAP OF SUBSTATION LOCATION



MOOKODI INTEGRATION PHASE 2

PROPOSED 132kV LINE MOOKODI MTS TO PROPOSED GANYESA SUBSTATION PROPOSED SUBSTATION AMENDMENT

Legend

Main Road

Approved Corridor (1km
Wide)

Approved Ganyesa
Substation Site

Proposed New Ganyesa
Substation Site



SIMEST

ENVIRONMENTAL DEFENCE
11 KENNEDY ROAD
JANZENBURG
SOUTH AFRICA
Tel: +27 (0) 21 300 7000
Fax: +27 (0) 21 300 7001
E-mail: info@simest.co.za

Prepared By
HLS

Date
15/03/2017

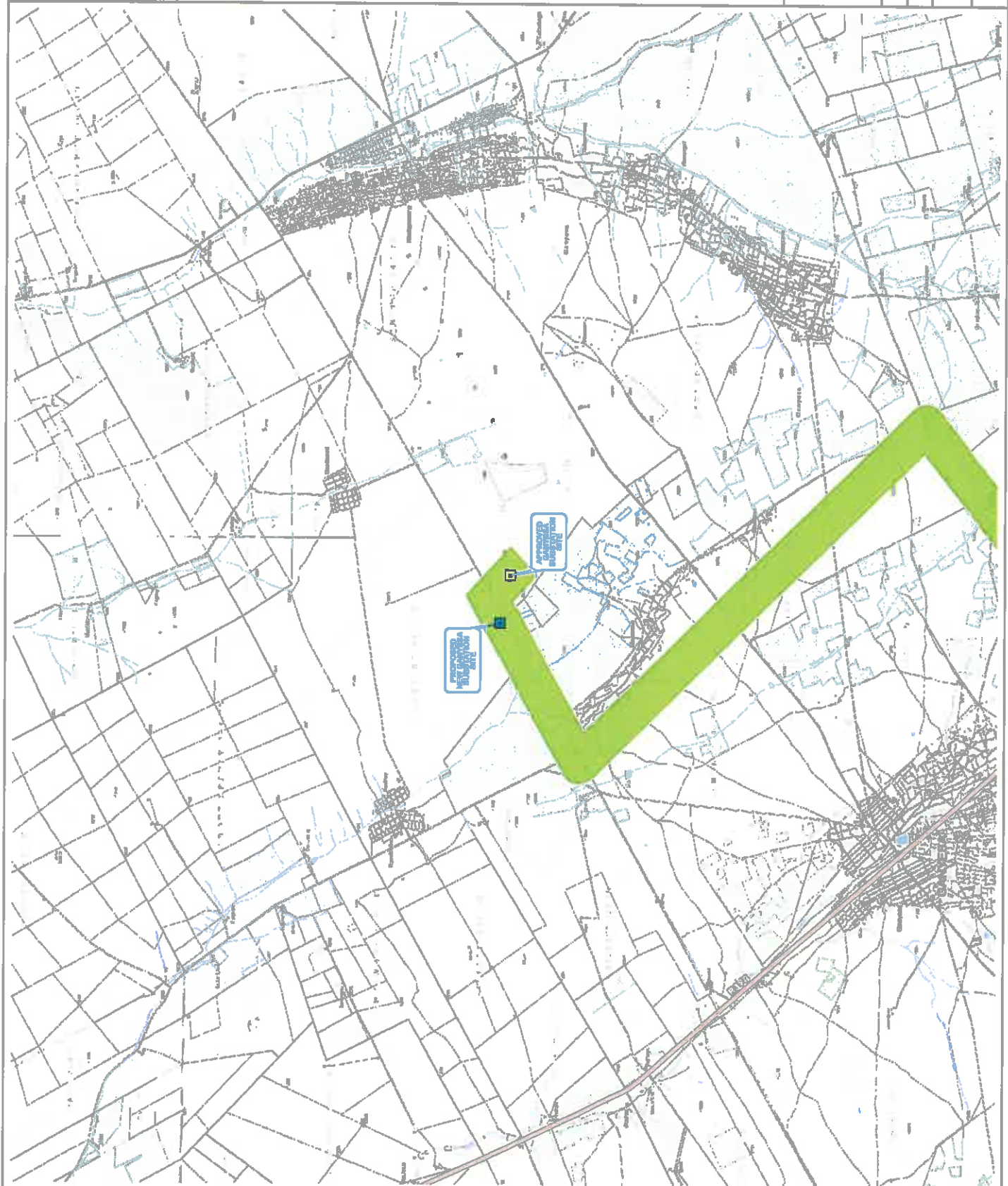
Revision
0

Project No
15000102

Map Ref No
15000102

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Application for Amendment of Environmental Authorisation

APPENDIX 4

**WRITTEN UNDERTAKING THAT THE NEW HOLDER OF THE EA IS WILLING AND ABLE TO
ASSUME RESPONSIBILITY OF THE EA ISSUED**

Mr Muhammad Essop
Environment House
473 Steve Biko, Arcadia
PRETORIA
0083

Date:
09 May 2017

Enquiries:
Tel +27 74 190 7902

Dear Mr. Essop,

APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED MOOKODI INTEGRATION PHASE 2: CONSTRUCTION OF THE MOOKODI-GANYESA 123KV POWER LINE, NEW PROPOSED GANYESA SUBSTATION AND HAVELOCK LILO, NORTH WEST PROVINCE

- NEAS REF NO: DEA/EIA/0001402/2012
- DEA REF NO: 14/12/16/3/3/1/680

Eskom Holdings SOC Limited, as the holder of the environmental Authorisation (EA), hereby declares that it will comply with all the conditions of the EA for the above mentioned application. Additionally, Eskom also declares that it has the financial resources, means and knowledge to implement these conditions. Please be advised that Ms Blondie Moukangwe is no longer the Eskom representative associated (Please see attached letter from our Human Resources Department) with the above mentioned project and therefore has no legal standing to sign the Applicant Declaration of the amendment application on behalf of Eskom.

The new Eskom representative for the above mentioned application is Ms Amy Harington, ID Number 870716 0185 080, as such, she should be detailed in the amended EA. Should you require any information with regards to the above, please contact Ms Amy Harington on +27 (018) 464 6834 or +27 (0) 74 190 7902. Alternatively you can email her on amy.harington@eskom.co.za.

We would kindly request that all future correspondence be sent to:
Ms Amy Harington
Eskom Holdings SOC Limited
P.O. Box 370
KLERKSDORP
2570


Please do not hesitate to contact me with any questions. I appreciate your time on this matter.

Yours sincerely



Amy Harington
LAND DEVELOPMENT AND ENVIRONMENTAL: ENVIRONMENTAL OFFICER

Distribution
North West Operating Unit, Land Development and Environmental
22 Golden Avenue, Townlands, Klerksdorp, 2570
SA
Tel +27 18 464 6834 Mobile +27 74 190 7902 Fax +27 86 566 6309 www.eskom.co.za
Eskom Holdings SOC Ltd Reg No 2002/015527/30

GETEKEN EN BEËDIG, VOOR MY, TE KLERKSDORP
op die 9 dag van Mei 20 17
deur die verklaarder wat erken het dat hy/sy vertrouwd
is met die inhoud van hierdie verklaaring en dat hy/sy
dit begryp, dat hy/sy geen beswaar het teen die afle
van die eed nie en dat hy/sy die eed as bindend vir
sy/haar gewete beskou en wat die volgende woorde
geuiter het:- "Ek sweer dat die inhoud van hierdie
verklaaring waar is, so help my God"

LOURENS JANSSEN VAN RENSBURG O(SA)
POSBUS 242, KLERKSDORP 2570
KOMMISSARIS VAN EDE
TOT DIE REPUBLIEK VAN SUID AFRIKA
VOLGENS SEKSIE 8 (PAR) 64

Signed and sworn, in my presence in Klerksdorp on this day 9 of (month) May 2017
by the declared that acknowledges that they understand and are honest with the contents of this
declaration, that they do not object the reciting of the oath and that they consider the oath as
binding and that the following words were recited "I swear that the contents of this declaration is
true, so help me God"

Date: 8 May 2017

Enquiries: MPT Maribe

Tel: +27 18 464 6509

Fax: +27 18 464 6773

To whom it may concern

CONFIRMATION OF INFORMATION

This letter is to confirm that Mankileng Blonti Moukangwe with Unique Number 1281918, is no longer permanently working in Eskom as an Environmental Advisor in Klerksdorp Office since 1 April 2016.

Regards



T. Maribe
HRA

APPENDIX 5
LANDOWNER AND AUTHORITY NOTIFICATION

SIVEST
Environmental

51 Wessel Road, Rivonia
PO Box 2921, Rivonia
2128
Gauteng, South Africa

Phone + 27 11 798 0600
Fax + 27 11 803 7272
Email info@sivest.co.za
www.sivest.co.za



Office of the Traditional Council
Private Bag x507
Ganyesa
8613

Your reference N/A
Our reference 13993
Date 12 May 2017

**ATTENTION: BAROLONG BA GA
LETLHOGILE TLOU LE TAU**

Via Post

Dear Barolong Ba Ga Letlhogile Tlou Le Tau

APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED MOOKODI INTEGRATION PHASE 2: CONSTRUCTION OF THE MOOKODI-GANYESA 123KV POWER LINE, NEW PROPOSED GANYESA SUBSTATION AND HAVELOCK LILO, NORTH WEST PROVINCE

- NEAS REF NO: DEA/EIA/0001402/2012
- DEA REF NO: 14/12/16/3/3/1/680

Eskom Holdings SOC Limited, (hereafter referred to as 'Eskom') was issued with an Environmental Authorisation (EA) on 02 February 2015 for the proposed construction of the Mookodi-Ganyesa power line, new proposed Ganyesa substation and Havelock Lilo in the North West province.

Eskom is applying for an Amendment to the original EA, as the location of the proposed Ganyesa substation needs to be moved from the authorised position to a location closer to the road. This is based on consultation and negotiations with the relevant landowner. The new proposed location for the Ganyesa substation falls within the previously assessed and approved 1km corridor.

In addition, Eskom is applying to amend the contact details of the applicant.

As a landowner of the property on which the substation is located, we would like to inform you of the application for amendment of the EA that will be submitted to the Department of Environmental Affairs (DEA) in accordance with the National Environmental Management Act, 1998 (Act No 107 of 1998) – EIA Regulations 2014, as amended.

For further information, please contact SIVEST as follows:

SIVEST Environmental: Andrea Gibb / Veronique Evans
Tel: (011) 798 0600
Fax: (011) 803 7272
Email: andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely,


Andrea Gibb
Environmental Practitioner
SIVEST Environmental Division

Offices: South Africa: Durban, Johannesburg, Ladysmith, Pietermaritzburg, Richards Bay
Africa: Port Louis (Mauritius)

Part of the SIVEST Group

SIVEST SA (Pty) Ltd Registration No. 2000/005717/07 t/a SIVEST



<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	13993
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: BAROLONG BAGA LETLHOCILE TLOU LE TAU OFFICE OF THE TRADITIONAL COUNCIL PRIVATE BAG X507 GANYESA 8613		Post Office Stamp: 
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: 		Post Office Stamp:
		Tracking Number:

<input type="checkbox"/>	Trace and Track Parcel (CD)	Project Number:
<input type="checkbox"/>	Registered Letter	
<input checked="" type="checkbox"/>	Fast Mail	
Addressed To: 		Post Office Stamp:
		Tracking Number:

SIVEST
Environmental

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Gauteng, South Africa

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Email info@sivest.co.za
www.sivest.co.za



North West Province Department of Agriculture, Environment
and rural development
Private Bag X15,
Ganyesa
2735

Your reference N/A
Our reference 13993
Date 12 May 2017

ATTENTION: MR STEVEN MUKHOLA

Via Email: TBoshoff@nwdpa.gov.za

Dear Mrs Tharina Boshoff

**APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED MOOKODI
INTEGRATION PHASE 2: CONSTRUCTION OF THE MOOKODI-GANYESA 123KV POWER LINE, NEW PROPOSED
GANYESA SUBSTATION AND HAVELOCK LILO, NORTH WEST PROVINCE**

- NEAS REF NO: DEA/EIA/0001402/2012
- DEA REF NO: 14/12/16/3/3/1/680

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Eskom is applying for an Amendment to the original EA, as the location of the proposed Ganyesa substation needs to be moved from the authorised position to a location closer to the road. This is based on consultation and negotiations with the relevant landowner. The new proposed location for the Ganyesa substation falls within the previously assessed and approved 1km corridor.

In addition, Eskom is applying to amend the contact details of the applicant.

As the provincial authority, we would like to inform you of the application for amendment of the EA that will be submitted to the Department of Environmental Affairs (DEA) in accordance with the National Environmental Management Act, 1998 (Act No 107 of 1998) – EIA Regulations 2014, as amended.

For further information, please contact SIVEST as follows:

SIVEST Environmental: Andrea Gibb / Veronique Evans
Tel: (011) 798 0600
Fax: (011) 803 7272
Email: andrea@sivest.co.za / veronique@sivest.co.za

Yours sincerely,

Andrea Gibb
Environmental Practitioner
SIVEST Environmental Division

Offices: South Africa Durban, Johannesburg, Lady Smith, Pietermaritzburg, Richards Bay
Africa Port Louis (Mauritius)

Part of the SIVEST Group

SIVEST SA (Pty) Ltd Registration No. 2003/005717/07 Vs SIVEST



Veronique Evans

From: Microsoft Outlook
To: TBoshoff@nwpg.gov.za
Sent: Monday, 15 May 2017 11:21 AM
Subject: Relayed: 13993: Mookodi-Ganyesa Amendment of Substation

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

TBoshoff@nwpg.gov.za (TBoshoff@nwpg.gov.za)

Subject: 13993: Mookodi-Ganyesa Amendment of Substation

Veronique Evans

From: Tharina Boshoff <TBoshoff@nwpg.gov.za>
Sent: Monday, 15 May 2017 11:41 AM
To: Veronique Evans
Cc: Andrea Gibb; Gasewabone Ellis Thebe; Portia Krisjan
Subject: Re: 13993: Mookodi-Ganyesa Amendment of Substation

Dear Ms Evans

I acknowledge receipt of your e-mail and the content is noted.

Regards

Tharina Boshoff
Acting Chief Director: Environmental Services
NW-READ
Private Bag X2039
Mmabatho
2735
Tel. (018) 389-5666
Fax. 0865035250
0795112320
tboshoff@nwpg.gov.za

>>> Veronique Evans <VeroniqueE@sivest.co.za> 5/15/2017 11:20 AM >>>

Dear Mrs Tharina Boshoff.

APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED MOOKODI INTEGRATION PHASE 2: CONSTRUCTION OF THE MOOKODI-GANYESA 123KV POWER LINE, NEW PROPOSED GANYESA SUBSTATION AND HAVELOCK LILO, NORTH WEST PROVINCE

- NEAS REF NO: DEA/EIA/0001402/2012
- DEA REF NO: 14/12/16/3/3/1/680

Please find the attached document for you attention with regards to the above mentioned amendment application.

Kind Regards,

Veronique Evans

Enironmental Consultant

SIVEST Environmental Division



SIVEST is a Level 3 BBBEE Contributor

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email veroniquee@sivest.co.za website www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners
Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

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**APPENDIX 6
SPECIALIST LETTERS**

Ref: 003177L01/rs
26 April 2017

SIVEST Environmental Division
51 Wessel Road
Rivonia
Sandton
2128

For the attention of Ms Andrea Gibb
Email: AndreaG@sivest.co.za

Dear Andrea

**MOOKODI POWER LINE ROUTE AND GANYESA SUBSTATIONS
DESKTOP GEOHYDROLOGICAL REVIEW**

We refer to our (Jeffares & Green) report reference 003561R02 titled "Geohydrological Impact Assessment of the Amended Mookodi Power Line Route and Ganyesa Substations Near Vryburg, North West Province", dated August 2014, and the new route alignment presented in your email dated 11 April 2017.

The power line route and substation sites were previously assessed at a desktop level reviewing geology, geohydrology and soil cover. A 500m buffer of the power line routes and substations was previously classified as no impact or very low impact based on geology, with low impact areas classified for 200m buffers from geological structures, contacts and existing boreholes.

The new substation site is still located within the previous 500m buffer area and will remain at a low to medium negative impact level.

We trust this meets with your approval.

Yours Faithfully
for: **JG AFRIKA (PTY) LTD**



ROBERT SCHAPERS
Executive Associate

Your Ref.:

Our Ref.:

5 May 2016

SIVEST Environmental Division
51 Wessel Road
Rivonia
2128

ATTENTION: MS ANDREA GIBB

Dear Madam

13993 MOOKODI GANYESA AMENDMENTS: REVISED SUBSTATION LOCATION

With reference to your email dated 11 April 2017, please find attached our comment regarding the implications of the re-location of the proposed Ganyesa Substation.

JG Afrika (Pty) Ltd previously known as Jeffares and Green has undertaken the geotechnical assessments desktop study for the proposed Ganyesa Substation, near Vryburg, in the North West Province in 2014, as part of the environmental approval process.

The environmental authorisation (EA) was issued by the Department of Environmental Affairs (DEA) for this project in February 2015. However, as a result of subsequent negotiations with landowners, Eskom need to move the authorised substation location to a new location that falls within the assessed corridor (see Figure 1). JG Afrika were requested to assess if new or increased impacts, other than those identified during the initial geotechnical study are likely to arise due to the change in the substation location.

Figure 1 below shows the location of the approved substation in red, and the proposed new location in white. After consulting the geological map 2624 Vryheid it was evident that the geological formation is the same at both locations and hence similar impacts are expected from a geotechnical perspective. Quaternary deposits, comprising Aeolian sands of the Gordonia Formation; Kalahari Group are expected at both locations and will overlie basement granites. (see Figure 2).

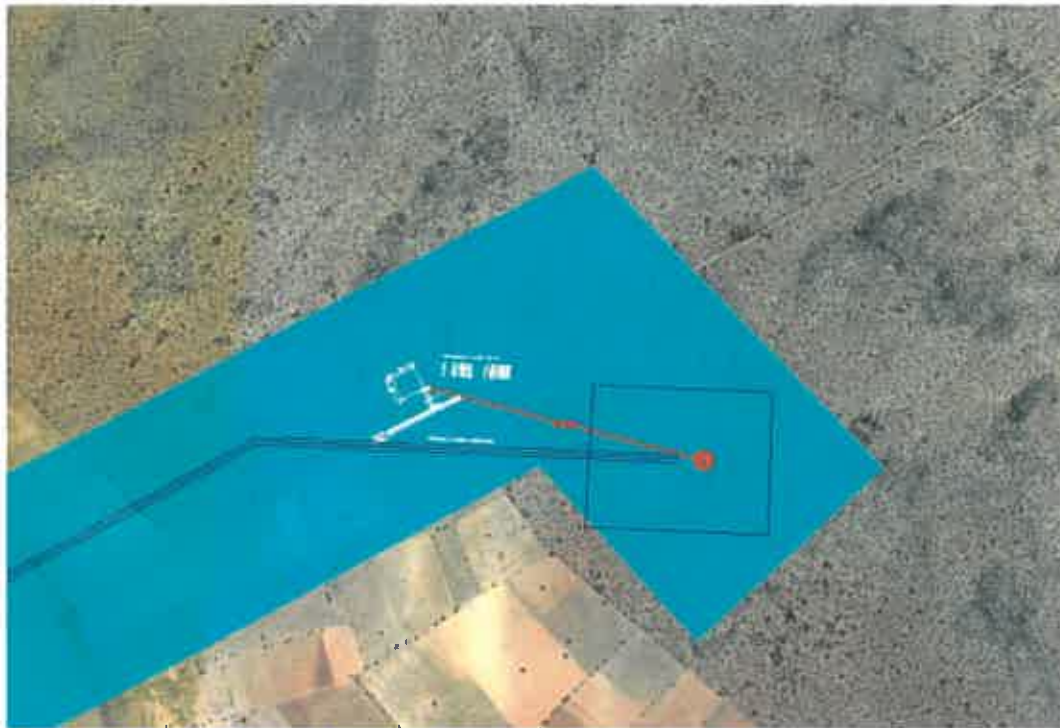


Figure 1: Locality Map of proposed new substation location in white



Figure 2: Geological Map of proposed new substation location in black

It is therefore our opinion that no increased or additional geotechnical impacts are to be expected with regards to the relocation of the substation, based on this desktop study.

It is strongly recommended that further detailed geotechnical investigations are undertaken prior to construction at the chosen substation site location in order to confirm the findings of this study.

This letter report should be read in conjunction with the *"Proposed Mookodi Integration Phase 2 – 132 kV Power Lines and Ganyesa Substation: GEOTECHNICAL DESKTOP STUDY"* of 2014.

Yours faithfully

A handwritten signature in black ink, appearing to read 'C Canahai', with a long horizontal flourish extending to the right.

C CANAHAI TECHNICAL DIRECTOR
for: **JG AFRIKA (PTY) LTD**

Ms V Evans
Environmental Consultant
SIVEST Environmental Division
P O Box 2921
Rivonia
2128

4 May 2017

Dear Ms Evans

SUBSTATION AMENDMENTS: GANYESA SUBSTATION

Based on an email received by SIVEST on 11 April 2017, I have reviewed the new proposed Ganyesa substation location in comparison to the originally authorised substation location. As requested, I have reviewed the maps and .kml files submitted to me regarding the above matter.

- During the original survey (Van Schalkwyk, J.A. 2014: *Mookodi integration project – Phase 2: Heritage report, report number 2014/JvS/049* dated August 2014) the powerline corridor (500m) was surveyed, which also covered the originally authorised substation location as well as the new proposed location of the substation.
- Based on experience in the region (Van Schalkwyk 2012a, 2012b, 2016), it can be stated that this is also a region with a low occurrence of heritage sites and features.

Van Schalkwyk, J.A. 2012a. *Heritage impact assessment for the proposed Ganyesa Wild Silk Project, Vryburg region, North West Province*. Pretoria: Unpublished report 2012/JvS/020.

Van Schalkwyk, J.A. 2012b. *Basic heritage assessment for the proposed Mookodi 132kV Phase 2 power lines development, North West Province*. Unpublished report 2012/JvS/049.

Van Schalkwyk, J.A. 2014. *Basic heritage assessment for the proposed Mookodi 132kV Phase 2 power lines development, North West Province*. Pretoria: Unpublished report 2014/JvS/049.

Van Schalkwyk, J.A. 2016. *Cultural heritage Impact assessment for the development of the proposed Meerkat Solar Power Plant on a portion of the farm Vyflings Pan 598IN, Vryburg region, North West Province*. Pretoria: Unpublished report 2016/JvS/007.

After review, the new proposed power line deviations in comparison to the original authorised power line corridor, I can, with a high degree of confidence state that the new location of the substation would not have an impact on sites, features or objects of cultural heritage significance.

However, considering the fact that archaeological sites in many cases occur below ground surface, if, during construction, archaeological site or graves are discovered, work must immediately be suspended and a heritage specialist must be consulted to assess the finds.

Yours sincerely



J A van Schalkwyk (D Litt et Phil)

- Heritage Consultant: ASAPA Registration No.: 164 - Principal Investigator: Iron Age, Colonial Period, Industrial Heritage.
- Postal Address: 62 Coetzer Avenue, Monument Park, 0181; Tel: 076 790 6777; E-mail: jvschalkwyk@mweb.co.za



Andrea Gibb/Veronique Evans
SIVEST (Pty) Ltd
51 Wessels Road
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Date:	04 May 2017	Contact name:	Kim Moonsamy
Your reference:	Proposed Mookodi-Ganyesa Deviations	Telephone:	27873506764
Our reference:	T&PMD3170-100-100	Email:	kim.moonsamy@rhdhv.com
Classification:	Open		

Proposed Mookodi-Ganyesa Deviations – Sub-station

Royal HaskoningDHV has been tasked to review our report title "Mookodi to Ganyesa basic Social Assessment Report" dated August 2014 (report reference E02.DUR.000608) in light of the proposed amendments to the location of Ganyesa Substation. It is our understanding that the Environmental Authorisation for the original EIA application has been approved by the DEA. However, it is proposed that the location of the authorised substation be moved to a new location, which has now warranted a review of the social red-flag issues that may ensue.

This Letter serves to provide a high level assessment of the proposed relocation of the Ganyesa Substation, as per the request from SIVEST, in an email dated 11 April 2017.

The proposed relocation of the substation is illustrated below.



The closest communities of Austrey and Goodwood remain over 4kms away from the substation, with no additional adverse effects. The new proposed location of the substation borders agricultural land but is not substantially further or nearer to the farmed land when compared to its original authorised placement. The earlier study cited that the locations of the proposed substation alternatives (of which there were 3 alternative locations) were on land belonging to the Tlou le Tau Tribal Authority. Since the proposed location of *this* new proposed substation location is potentially still within the Tribal Authority's jurisdiction, two actions need to occur:

- 1) Identify and confirm jurisdiction; and
- 2) Pursue the necessary negotiation and agreement with the respective owners/ custodians.

The project must allow for the legally required public engagement process to be followed. This may include an information dissemination and sharing process with the respective owners / custodians, following which comments will be expressed.

This review finds no additional critical social concerns with respect to the activity posed by the proposed new location of the Ganyesa substation. As the substation site is located within the previously assessed 500m area the social impact will remain low and the mitigation measures recommended in the original social report are still applicable.

Kim Moonsamy
Social Specialist
Transport & Planning

Enquiries: DG Paterson

To whom it may concern:

Deviation: proposed Ganyesa substation

Background: ARC-ISCW was requested by SIVEST to provide information on soils and agricultural potential for the proposed Mookodi-Ganyesa transmission line, near Vryburg in North West Province, including a location for a proposed new substation. A report was supplied in 2014 (ARC Report No. GW/A/2014/39).

The main conclusion from that report was that, due to a combination of low annual rainfall, hot summer temperatures and sandy soils that will have poor water-holding properties, the prevailing agricultural potential in the area is low. In addition, due to the small footprint of the substation (approximately 1 ha), the impact on the loss of agricultural land is generally not significant. The exception would be in the case of intensive agricultural production, especially under permanent irrigation.

Deviations: a site was originally approved for the transmission line (marked Alt 2 on Figure 1). However, Eskom have proposed that this be moved approximately 1.2 km to the west (as shown by the arrow pointing to the green square in Figure 1).



Figure 1 Proposed deviations in substation locality

At the scale of the soil information available for the original report, namely 1:250 000, both the original and revised sites for the substation fall within the same broad soil pattern (*land type* mapping unit), so the soils occurring will in all probability not differ significantly. On Figure 1, it can be seen that the revised site falls outside any area of local cultivation in an area under natural bush vegetation, so there will be no impact on any agricultural practices. The closest area of high value cultivation (centre pivot irrigation) occurs approximately 13 km to the south-east.

Conclusion: the proposed deviations will have little or no effect on the overall impact of the route. The statements made in the original soils report, and their incorporation into any other submitted documents, are still fully valid.

Yours sincerely,



.....
(Signed)
D.G. Paterson (PhD)

Date:
3rd May 2017

(012) 310 2601
garry@arc.agric.za

SIVEST
Environmental

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DEA Reference: 14/12/16/3/3/1/680

Our reference: 13993

Date: 05 May 2017

Dear Veronique

**APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE
PROPOSED MOOKODI INTEGRATION PHASE 2: SUBSTATION**
▪ **SURFACE WATER REVIEW**

In February 2014 and later in August 2014, Shaun Taylor and Alistair Fyfe, respectively of SIVEST SA (Pty) Ltd undertook Surface Water Assessments for the proposed Mookodi Integration Phase 2 Project: 132kV Power Line and Ganyesa Substation near Vryburg, North West Province. After correspondence with the client, the originally authorized substation location needs to be moved to a new proposed location closer to the road.

SIVEST has reviewed the possible surface water implications of the proposed new substation location change and can confirm the following:

- The proposed new substation locations falls within the previously assessed 500m buffer applied to the original Mookodi-Ganyesa Power line;
- There are no surface water resources directly within the proposed Substation location, nor are there any surface water resources within a 500m radius of the proposed Substation location;
- The assessment revealed that there will be no impact on surface water resources resulting from the proposed new Substation location during construction and operation phase, since no surface water resources are directly or within a 500m radius of the proposed Substation location.

As such, the new proposed Ganyesa Substation location would not result in any material changes to those noted in the previously compiled Surface Water Assessments would remain unchanged as "no impact".

Yours sincerely

Shaun Taylor
Environmental Scientist
SIVEST Environmental Division



**Simon Todd
60 Forrest Way
Glencalm
7975**

**SIVEST Environmental Division
51 Wessel Road
PO Box 2921
Rivonia
7975
Att: Andrea Gibb**

04 May 2017

**AMENDMENTS FOR THE AUTHORISED GANYESA SUBSTATION NEAR VRYBURG, NORTH WEST PROVINCE
(DEA REF. NO.: 14/12/16/3/3/1/680)**

This statement letter is in reference to the proposed Mookodi Ganyesa Power Line and Substation near Vryburg in the North West Province. An environmental authorisation (EA) was issued by the Department of Environmental Affairs (DEA) for this project in February 2015. However, this also requires that the original authorized substation location be moved to a new proposed substation location closer to the road.

SIVEST have been appointed to undertake the required process in order to obtain authorisation for the new proposed substation location. As part of these activities, SIVest have requested a statement from Simon Todd Consulting, as the original ecological specialist on the Mookodi Ganyesa Power Line and Substation, with regards to the new substation location and the impact of the new proposed substation location in comparison with the original authorised substation location.

I have reviewed the new location of the substation and potentially affected features in the vicinity. Particular attention was paid to the presence of features of concern in the area and the potential of the new proposed substation site to generate greater impact than the original previously assessed option. After reviewing the new proposed substation site and comparing this to the original authorized substation site, I have reached the following conclusions with regards to the changes to the new proposed substation location:

- The habitat at the new substation location is not significantly different from the original substation location.
- As such, the proposed location would not significantly increase the impact of the substation compared to the original assessed site.
- As the ecological impacts associated with the new proposed location are similar to the original site, the significance of assessed impacts for the original approved site and the proposed site are similar

and as such, the impacts as assessed in the ecological study are equally applicable to the new substation location.

- The mitigation and avoidance measures as detailed in the ecological study are equally applicable and sufficient with regards to the new location and no additional or new mitigation measures are recommended.

Should you have any further queries in this regard, please contact me.

Prepared by Simon Todd

04 May 2017

A handwritten signature in black ink, appearing to read 'Simon Todd', with a stylized, cursive script.

Pr.Sci.Nat

SACNASP 400425/11.

SIVEST
Environmental

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DEA Reference:

Our reference: 13993

Date: 12 May 2017

Dear Veronique

**APPLICATION FOR THE AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE
PROPOSED MOOKODI INTEGRATION PHASE 2: GANYESA SUBSTATION**
▪ **VISUAL REVIEW**

In September 2014, Andrea Gibb of SIVEST SA (Pty) Ltd undertook a Visual Impact Assessment (VIA) for the proposed Mookodi Integration Phase 2: 132kV Power Line and Ganyesa Substation near Vryburg, North West Province. After correspondence with the client, it was established that the originally authorised substation location needs to be moved to a new proposed location closer to the road.

SIVEST has reviewed the possible visual implications of the proposed new substation location change and can confirm the following:

- The proposed new substation location falls within the 1km wide corridor that was previously assessed as part of the Mookodi-Ganyesa power line Basic Assessment (BA);
- There are no sensitive visual receptor locations close to the new proposed substation location and as such the new location of the substation will not change the Impact on visually sensitive receptors;
- The assessment revealed that the significance of the visual impacts resulting from the proposed new substation location during construction and operation would remain low before and after the recommended mitigation measures are implemented.

As such, the new proposed Ganyesa substation location would not result in any material changes to those noted in the previously compiled VIA report and the visual Impact rating would remain unchanged.

Yours sincerely

Andrea Gibb
Environmental Practitioner
SIVEST Environmental Division