



forestry, fisheries & the environment

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

APPLICATION FORM FOR AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION

Application for amendment to a valid Environmental Authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Kudu-Oranjemund 400kV Power line deviation, Northern Cape Province

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

Yes
No

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes	x	No	<input type="checkbox"/>
Date of the pre-application meeting	3 June 2021			
Reference number of pre-application meeting held	2021-05-0017			
Was minutes compiled and submitted to the Department for approval	Yes	x	No	<input type="checkbox"/>

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

1. This form must be used to apply for the Amendment of an Environmental Authorisation where this Department is the Competent Authority. 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 **April 2021**. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. 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.
4. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.
5. An electronic copy of the signed application form must be submitted of both the Applicant and EAP.
6. This form must be marked "**for Attention: Chief Director: Integrated Environmental Authorisations**" and submitted to the Department at the format as prescribed in the process to upload documents form.
7. 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. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).
8. Where applicable black out the boxes that are not applicable in the form.

9. The use of the phrase “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.
10. 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.
11. 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.
12. Please note that this form must be copied to the relevant Provincial Environmental Department(s).
13. Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form.
14. An application for Amendment of the Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

Departmental Details

Online Submission:

EIAApplications@environment.gov.za or <https://sfiler.environment.gov.za:8443/>.

Please read the process for uploading files to determine how files are to submitted to this Department

Postal address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

Reason(s) in terms of S24C of NEMA:

Department of Forestry, Fisheries and the Environment (DFFE)
The Department of Forestry, Fisheries and the Environment (DFFE) is the Competent Authority mandated to process all applications belonging to states owned companies or organs of states. Eskom, an organ of state, is the applicant for this project. DFFE is required to provide a decision regarding the proposed project pending comments from provincial Departments


2. FEES

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 of payment or a motivation for exclusions must be attached as **APPENDIX 3** of this application form.

Proof of payment attached		No: X
Payment Reference Number		
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014	Yes: X	

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 Amendment of an Environmental Authorisation	

Department of Department of Forestry, Fisheries and the Environment banking details for the payment of application fees:

<p>Payment Enquiries: Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p> <p>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>Status: Tax exempted</p>

3. GENERAL INFORMATION

Name in which the EA was issued to	Eskom Holdings SOC Ltd		
Name of the Applicant:	Eskom Holdings SOC Ltd		
RSA Identity/ Passport Number:	N/A		
Name of contact person for applicant (if other):	Programme Manager – Land & Rights		
RSA Identity/ Passport Number:	7201040513084		
Responsible position, e.g. Director, CEO, etc.:	Programme Manager – Land & Rights		
Company/ Trading name (if any):	Eskom Holdings SOC Ltd		
Company Registration Number:	2002/015527/30		
BBBEE status:	Level 8 Contributor		
Physical address:	Megawatt Park 1 Maxwell Drive Sunninghill Sandton 2146		
Postal address:	PO Box 1091, Johannesburg		
Postal code:	2000	Cell:	082 468 2137
Telephone:	011 800 3550	Fax:	
E-mail:	PhiriM@eskom.co.za		

Name of the landowner:	Pico Eco Farm CC, Mr FAM Gomes		
Name of contact person for landowner (if other):	Mrs Melanie Stroh and Mr Morne Stroh		
Postal address:	PO Box 545, Port Nolloth		
Postal code:	8280	Cell:	Carlos Alves: 083 555 5915
Telephone:	028 841 587	Fax:	
E-mail:	acpico@macu.ctn.net & femandr@macau.ctm.net momestroh@gmail.com & melaniestroh2@gmail.com		

Name of Person in control of the land:	N/A		
Name of contact person for person in control of the land:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 4**.

Certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto, if applicable must be attached to this application as **APPENDIX 2**. Should a certified copy/ies of the Environmental Authorisation and subsequent Amendments thereto not be available an original commissioned Affidavit/Affirmation under oath undertaken by the must be appended to this application form

Provincial Environmental Authority:	Department of Forestry, Fisheries and the Environment (DFFE)		
Name of contact person:	Bathandwa Ncube		
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:	bncube@environment.gov.za		

Local Municipality:	Richtersveld Local Municipality		
Name of contact person in (Environmental Section)			
Postal address:	Privaatsak x 113 Port Nolloth 8280		
Postal code:	8280	Cell:	
Telephone:	027 851 1112	Fax:	
E-mail:	Dibere@richtersveld.gov.za		

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/Provincial Authorities with their contact details.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	CES Environmental and Social Advisory Services		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
			135%
EAP name:	Dr Anthony Avis		
EAP Qualifications:	Ph.D. Plant Science (Marine), B.Compt. Hons. Accounting Science, B. Com Financial Accounting		
Professional affiliation/registration:	EAPSA SACNASP		
Physical address:	6 Stewart Drive, Bayville, East London		
Postal address:	Po Box 8145, Nahoon		
Postal code:	5214	Cell:	
Telephone:	(+27) 043 726 7809	Fax:	
E-mail:	Brooke.Mason@cesnet.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

If appointed, 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 5**.

5. DETAILS OF IMPLEMENTATION OF PREVIOUS ENVIRONMENTAL AUTHORISATION

Reference Number of EA:	14/12/16/3/3/2/977
Date EA issued:	31/07/2017
Reference Number of all amendments issued with its respective dates:	N/A
Date EA expires: N.B. Regulation 28(1)(A) of the EIA Regulations 2014, as amended states that <i>“The competent authority shall not accept or process an application for amendment of an environmental authorisation if such environmental authorisation is not valid on the day of receipt of such amendment application...”</i>	10 years

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

6. AMENDMENTS APPLIED FOR AND RELATED INFORMATION

Please indicate if the amendment being applied for falls within the ambits of a Part 1 of Part 2 amendment, as outlined in Chapter 5 of the EIA Regulations, 2014 as amended.

Part 1	

Please note, that whilst this has been indicated, the Department will when acknowledging receipt agree or disagree with the amendment being applied for, and the process to be followed must be that as outlined in the official acknowledgement letter.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?		NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	YES	
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	
Did you attached the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP	YES	

If **YES**, is selected:

- For an application in terms of GN 113 and/or 114, then a map confirming this must be attached;
- For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 5 and attach the** confirmation of SIP applications from the relevant sector representative in **APPENDIX 5**. Should no proof be provided, the application will be considered as a normal EIA Application.

Please indicate which of the following is relevant:

6.1. 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
(b) there has been a change of ownership in the property and transfer of rights and obligations must be provided for; or		NO
(c) any detail contained in the environmental authorisation must be amended, added, substituted, corrected, removed or updated.	YES	

Describe the amendments that are being applied for: Site 1: Work associated with the OHL from the Kudu substation heading north into Namibia. Project has been authorised [Ref: 14/12/16/3/3/2/977/AM1]. However, the technology suggested in the EIA has been changed to more modern structure which have different dimensions to that in the EIA. In summary: <ul style="list-style-type: none"> • Change of the towers positioning along the river crossing, number of towers present is • being reduced from 5 to 2. • Change in height an increase from 42m to 81m; • Even though individual tower footprint increases from 12m² to 17m², the total tower footprint is reduced from 60m² to 34m² as there are fewer towers • Change from two lines to one line. • Shifting of Tower 7 (ORA/003) position, 30m west for environmental considerations Based on the changes, CES consider a Part 1 amendment suitable and appropriate.

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

The standard process for environmental authorisations for transmission line projects does not normally call for specific tower locations for approval. However, for this project specifically, preliminary tower locations were determined to assist the EA process in the highly sensitive environmental zone. In 2017 there were two 400 kV lines designed to exit Oranjemond substation crossing the Orange River and into Namibia. The line lengths were approximately 2 km each (Figure 1). Environmental Authorisation (Ref: 14/12/16/3/3/2/977) was granted in 2017. Shortly after that a Part I Amendment was granted in November 2017 (Ref: 14/12/16/3/3/2/977/AM1) which covered the removal and rewording of conditions and the validity period of the EA.

Since then, the technology suggested in the Environmental Impact Assessment (EIA) has changed with more modern structures available with different dimensions to that described in the original EIA. Due to the highly sensitive nature of the project site, specialists were required to determine the potential impacts to the receiving environment as a result in the change of structures (number of towers and height). Micro siting was also required for those towers 1 – 7 at the request of the DFFE during the preapplication meeting held on the 3rd June 2021.

The following specialist studies (Appendix A) were completed to inform the impacts and micro siting:

- Avian;
- Wetland; and
- Ecology.

The findings from the avian specialist:

All proposed tower positions are acceptable from an avifaunal perspective. The proposed changes to the project do not materially affect the original findings or recommendations. Any slight change in impact significance (not sufficient to change categorical findings) would be towards less impact on avifauna since far fewer towers are now proposed and two power lines across the Orange River have been reduced to one, which is advantageous. Photographs of the site are shown in Appendix 1. Although not integral to this assessment, nineteen bird species were recorded on site (Appendix 1), one of which is regionally Red Listed – Caspian Tern *Hydroprogne caspia* (Vulnerable – Taylor et al, 2015).

The findings from the wetland specialist:

Considering the proposed OHPL layout relative to the delineated extent of the Orange River and the applicable legislative regulated zones (as it relates to the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) and the National Water Act, 1998 (Act No. 36 of 1998) (NWA)) (Figure 1); the proposed powerline support tower 7 (Border/ORR 003) is located the closest to the Orange River, approximately 97 m from the delineated extent of the river and thus within the 100 m Zone of Regulation (ZoR) in accordance with the National Water Act, 1998 (Act No. 36 of 1998). Due to the distance this support tower is located from the Orange river, and provided the recommended mitigation measures as, it is the opinion of the freshwater specialist that the proposed OHPL layout will not pose a direct negative impact on the Orange River. The freshwater specialist can also confirm that the nature and severity of impact remains the same and that a Part 1 amendment application can be followed from a freshwater ecological perspective. The recommended mitigation measures are sufficient to maintain the determined impact significance, with specific mention of ensuring that the risk of erosion is reduced by contouring all service/access roads along any steep slopes and that runoff over exposed areas be mitigated to reduce the rate and volume of runoff.

The findings of the ecology specialist:

Based on what was observed on site (during a site-based survey on the 1st September 2021) a sensitivity score assigned for each tower using the Species Environmental Assessment Guideline (2020) (Figure 1).

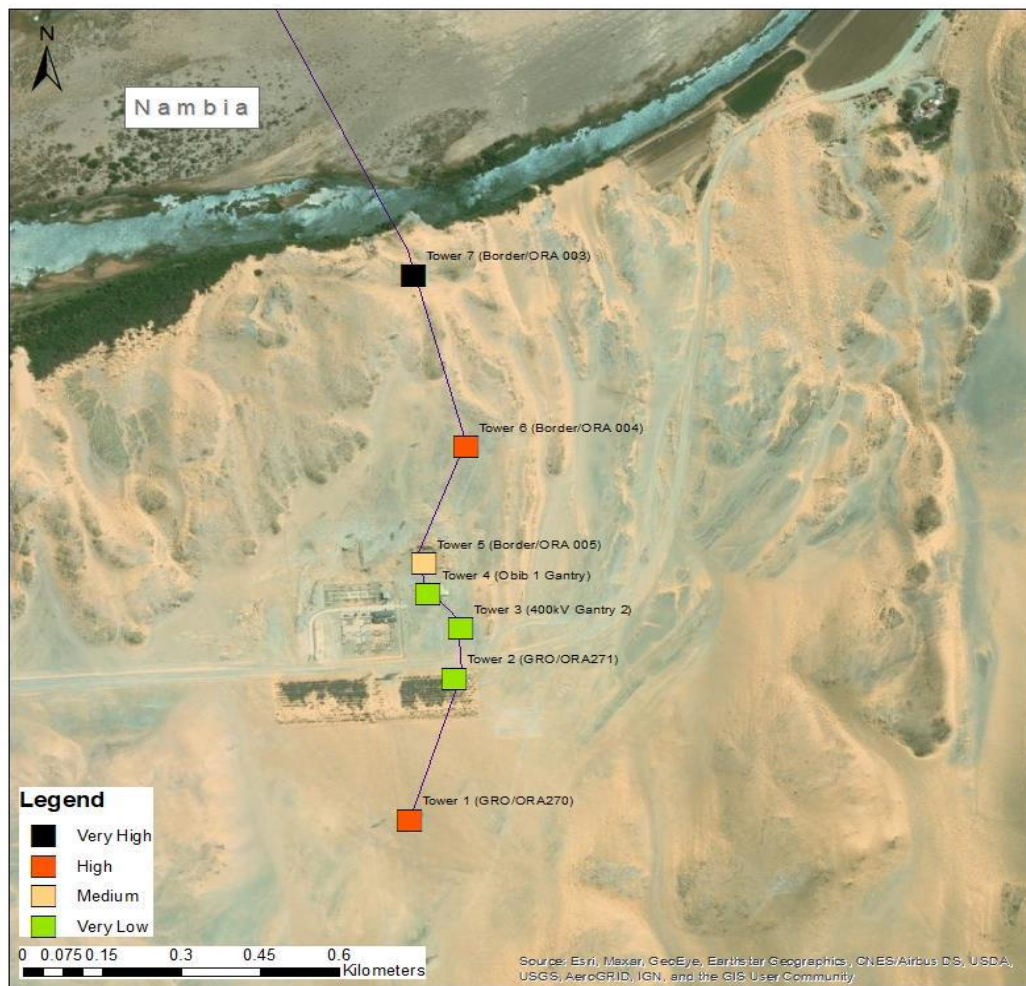


Figure 1 Site sensitivity of each tower

Tower 1 (GRO/OR A 270) is where the line will deviate from the existing line and has already been constructed. The sensitivity at this site was determined to be high. Since this tower already exists, there will be no anticipated impacts at this site and no further assessment was undertaken.

Towers 2 (GRO/OR A 271), 3 (400kV Gantry 2) and 4 (Obib 1 Gantry) all occur within degraded areas that are mostly transformed. The sensitivity at these sites was determined to be low. Impacts associated with the location of these towers were of moderate to low significance.

Tower 5 (Border/OR A 005) was determined to be of moderate sensitivity based on species assemblages and some degradation that has already occurred at this site. Impacts associated with the location of this tower were predominantly of moderate to low significance.

Tower 6 (Border/OR A 004) has been assigned a high sensitivity due to it having a low receptor resilience, good habitat connectivity with limited disturbance and its likelihood to support SCC. It must be noted that although not recorded at the tower itself, Sensitive Species 542 was recorded within 50-100m of the tower position. This species is Critically Endangered with an Extent of Occupancy of <10km². The area where this population is

located is considered to be of very high sensitivity and as such must be cordoned off and managed as a no-go area.

Tower 7 (Border/ORR 003) has been assigned a Very High sensitivity due to the presence of a vulnerable species (*Astridia velutina*), the high diversity of species present on the rocky outcrop, the low rehabilitation potential of this habitat and the low likelihood of the current species returning to the site after the disturbance. If the tower is shifted 30m west to the alternative site that was surveyed, this will lower the sensitivity from very high to high which is preferable (Figure 3). The alternative site is a better option as the conservation importance is lower than at the current site and the receptor resilience is slightly higher.

For towers 6 and 7, the following was recommended:

- Strict, daily monitoring by the ECO of Towers 6 and 7 during the construction phase to ensure that activities do not impact on these two populations of SCC; and
- The implementation of the recommended mitigation measures.

It is recommended that the following conditions are included in the Environmental Authorisation

(EA):

- All necessary permitting and authorisations must be obtained prior to the commencement of any construction activities;
- The ECO must monitor construction activities at Towers 6 and 7 on a daily basis when these two towers are being constructed to ensure that no activities impact on the two populations of Species of conservation Concern;
- The population of Sensitive Species 542 must be demarcated as a no-go area. No construction activities must occur within this area; and
- All Schedule 1 and 2 species must be relocated to nearest appropriate habitat.

The remaining recommendations made by the Specialists have already been covered by the recommendations in the approved EMPr (i.e. management of erosion, alien vegetation and rehabilitation). Therefore, it is not anticipated that the EMPr, approved by DFFE for this project, requires updating.

Following submission of the application to DFFE the document will be released to IAPs, as defined by DFFE during the pre-application meeting, for a 30-day comment period. Any comments received will be incorporated into the CEMPr and submitted to DFFE. A plant permit will also be submitted for removal of species within the footprint of Tower 7 (Border/ORR 003).

CES is confident that, based on the micro-siting of these towers, the impacts determined through the previous EIA and subsequently authorised will not change significantly as a result of this amendment.

Should the amendment being requested result due to 6.1 (b) above, you are required 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:

N/A

7. ENVIRONMENTAL IMPACTS

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 impacts over and above those identified in the previous EIA which obtained EA. Confirmed by the specialists.

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

There will be loss of critically endangered plant species (*Astridia velutina*).

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.

There will be loss of critically endangered plant species (*Astridia velutina*).

8. AUTHORISATION FROM OTHER GOVERNMENT DEPARTMENTS

Are any permission, licenses or other authorisations required from any other departments before the requested amendments can be effected? **NO**

If yes, please complete the table below.

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

9. RIGHTS OR INTERESTS OF OTHER PARTIES

In your opinion, will this proposed amendment adversely affect the rights and interests of other parties? **NO**

The proposed development is part of Eskom’s new capacity installation programme and is intended to meet the future peak electricity demands, with the intention to provide more efficient and uninterrupted electrical power.

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.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes	YES	
APPENDIX 2	Certified copy/ies of the Environmental Authorisation and all subsequent Amendments thereto or original commissioned Affidavit/Affirmation under oath	YES	
APPENDIX 3	Proof of Payment / Motivation for exclusion	YES	
APPENDIX 4	List of land owners (with contact details) and land owners consent	YES	
APPENDIX 5	Strategic Infrastructure Projects	YES	
APPENDIX 6	Declaration of independence of the EAP and undertaking under oath or affirmation, if appointed	YES	

11. DECLARATION

I, MARTINA PHIRI, 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 Ltd

Name of Company or Organisation:

03 December 2021

Date:

**APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES**

	Meeting Minutes	
	PROJECT	Eskom-Juno-Gromis 400KV transmission lines deviation
	DATE	03/06/2021
	MINUTES BY	Brooke Mason
	Tel: 021 045 0900 Email: s.clark-mcleod@cesnet.co.za	

Attendance Register	
DFFE Masina Litsokane – Project supervisor Bathandwa Ncube – Case officer	mlitsokane@environment.gov.za bncube@environment.gov.za
CES Greg Shaw – CES project manager Skye Clarke-McLeod – CES PPP manager Brooke Mason – CES meeting minutes	g.shaw@cesnet.co.za S.Clark-McLeod@cesnet.co.za brooke.mason@cesnet.co.za
Eskom Rudzani Ranwedzi – Eskom project manager	rudzani.ranwedzi@eskom.co.za
Alvyn Marais – Eskom programme manager Kiresh Singh – Design engineer	MaraisAJ@eskom.co.za SinghKi@eskom.co.za

Name	Issue Raised	Response
Welcome and Introductions		
Project description explained by Gregory		
<p>Site 1: Work associated with the OHL from the Kudu substation heading north into Namibia. Project has been authorised [Ref: 14/12/16/3/3/2/977]. However, the technology suggested in the EIA has been changed to more modern structure which have different dimensions to that in the EIA. In summary:</p> <ul style="list-style-type: none"> • Change of the towers positioning on the south substation, number of towers present is being reduced from 20 to 8. • Change in tower height - increase from 42m to 62m; • Combined tower footprint anticipated to now be 136m² a reduction from 240m². • Individual tower footprints increased from 12m² from 17m²; and • Change from two lines to one line. <p>Based on the changes, CES consider a Part 1 amendment suitable and appropriate.</p>		

<p>Site 2: Gromis substation requires the 400kv line integration. This was authorised in 2007 [ROD 12/12/20/720]. The authorisation covers a corridor for development of 2 lines. The EMP developed as a result of the authorisation detailed only 1 line since only one line required construction at the time. Now that the 400kv line is in construction the EMP needs to be updated to reflect as such. The 400kv line is within the authorised corridor.</p>		
Alwyn	Just wanted to emphasise there will be a 1km deviation at Gromis site, the intention was always to have that deviation. However, construction has not been done because there was no existing 400kv line. It was included in the initial EIA but was not included in the EMP	Gregory – Confirming what Alwyn has stated
Bathandwa	Has two questions; 1. For the 2 sites are there two different EIA's or one EIA's?	Gregory – Two separate EIA's for the sites has been done for each of the sites Rudzani – confirmed that there are two different EIA's
Bathandwa	2. Are there two EMP's done for the two separate sites?	Rudzani – Yes, for both sites there are two EMP'S. The corridor was authorised for the Gromis site but the specific site where the construction was not confirmed. EMP for the Gromis site potentially needs to be amended and a walk down needs to occur Gregory – EMP's as part of the initial application process. The Gromis needs to be updated, potentially amended. The Kudu (Orange River) site needs the EMP to be developed further in line with DFFE recommendations
Bathandwa	What are the amendments for site one? (Gromis)	Gregory Shaw At Site 1: Kudu PL <ul style="list-style-type: none"> • Relocation of a tower on the south side of substation, • reduced number of towers from 20 to 8. • Tower height increased from 42m to 62m; • Individual tower footprints Increase from 12m² from 17m²; and • Combined footprint reduction from 240m² 136m² • Change from two 400KV lines to one line. <p>Site 2: Gromis substation requires the 400kv line integration. This was authorised in 2007 [ROD 12/12/20/720]. The authorisation</p>


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		<p>covers a corridor for development of 2 lines. The EMPr developed as a result of the authorisation detailed only 1 line since only one line was required construction at the time. Now that the 400kV line is in construction the EMPr needs to be updated to reflect as such. The 400kV line is within the authorised corridor.</p> <p>Walk-down of the tower positions and inclusion of layout plan for CEMP is required</p>
Kiresh	<ul style="list-style-type: none"> Described the tower design; Explained change in tower design; Original tower 518 has a flat configuration and is 3 phase. The new tower design (540) doesn't have cross-arm design at base, is 1 phase at the top of the tower and has 2 phase in the middle. The new tower also has a delta configuration and two earth leaks. 	
Bathandwa	Had some confusion with reference to the maps of the two sites. Her understanding was that the existing line was authorised, but now she understands that the existing line at site 1 has always been there and that the proposed deviation is authorised	Gregory and Skye – both confirmed this
Masina	Is the footprint going to increase? Are you requesting one amendment or two?	Kiresh – Footprint is going to increase per tower, but still there will be a decrease in total footprint due to there being less towers constructed.
Bathandwa	Responding to Kiresh- Yes understand that, but height of tower requires a specialist to do assessment on the impact of the towers on avifauna	Gregory – The amendment will include input from an avifaunal specialist. The amendment will also include input from wetland, heritage and ecological specialists.
Masina	Footprint change per tower, but not sure in the increase in footprint due to height, so therefore will require a specialist study and also public participation for part 1	Alwyn – Just to inform everyone that the line route has been negotiated with landowners and consultation has occurred. Only people that are not directly affected by the construction have not been consulted
Bathandwa	Organs of state need to know of the construction	Masina – clarity of part 2 and part 1 will decide the level of public participation Bathandwa – Organ of state may propose a new or amend the initial EIA
Gregory	Part 1 or part 2 in line with PPP? Then specialist statement inclusion in PPP?	Bathandwa – due to application process need to attach report with amendment and comments from

		specialist and further comments, then that final report goes out to the public. Then after this the public report is submitted to department for amendment.
Gregory	Can we reuse existing IAP's data base?	Bathandwa – Doesn't know all information of public participation plan needs to be resubmitted and accepted and public participation done according to plan Gregory – Most people notified via data base electronic document available, note up on fences. Intension is not to with hold any information from the public, but still stay in accordance with COVID regulations and DFFE regulations Gregory – engage with stakeholders was part of the pervious project. Need to see if any follow up needed for the new project
Alwyn	Gregory wants to know if specific concerns in initial public participation?	Rudzani – there was no previous concerns in the initial PP, but only with landowners and negotiations but no issues related to appeals on the environment Gregory – Engagement needs to be done again and give opportunity for comment. But based on the previous project landowners are aware of changes Alwyn – Yes, but is a land claim on one of the properties, process has been followed but cannot control how the land claim will turn out
Bathandwa	Site 1 completed, can we move on to site 2? There is an existing powerline and can see the deviation proposed. There is a deviation line. Is the new deviated authorised?	Alwyn – authorised line is 400KV line, it is authorised already but wasn't constructed at the same time. Both lines are authorised. Issue is the EMPr only shows existing line but needs to be changed to show the deviation line
Bathandwa	EMPr approved? So the deviation line needs to be included?	Alwyn – Yes, line actually forms part of a current project (Gromis – Juno)
Rudzani	EMPr amendment is needed	Bathandwa – Doesn't know if you use an amendment form for this Greg – we understand the need to update EMPr and resubmit Bathandwa – Yes but EMPr needs amendment and public participation

Rudzani	Issue is that when we construct we need the right EMP for when the construction occurs	Bathandwa – But there is an approved EMP and check layout plan and its approval Skye – Yes amendment needs to be submitted, but haven't seen the actual layout
Rudzani	1 st submission needs layout and will be submitted with amended EMPr	Masina – Amend? The amendment to improved construction of the EMPr? So where is the deviation of the line?
Masina	Noting that if the EIA has already been done then the line deviation has been approved already	Alwyn – Yes approved but not yet constructed. The EMPr coordinates of the new towers need to be shown in the EMPr and also the new deviation line needs to be shown. The proposed change was accepted in November 2007
Rudzani	EIA had two extensions. An ROD was done and profiling done during corridor setting. Walk down for line deviation has been done and tower positions set	
Gregory	Just to summarise: Site 1: A part 1 amendment seems to be appropriate with PPP amended. Part 1 contains information letter and specialist team element and also include input from PPP section. Site 2: The EMPr needs to be updated to include layout and increase 400KV route. Need to wait to hear back from Bathandwa and Masina about what is required to update the EMPr and the re-submission process if necessary.	
Gregory	Meeting closed	

APPENDIX 2
CERTIFIED COPY/IES OF THE ENVIRONMENTAL AUTHORISATION AND ALL SUBSEQUENT AMENDMENTS
THERETO OR ORIGINAL COMMISSIONED AFFIDAVIT/AFFIRMATION UNDER OATH

	<p>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</p>
<p>DEA Reference: 14/12/15/3/2/977 Enquiries: Ms Dakslo Ntshombo Telephone: (012) 399 8877 E-mail: DNtshombo@environment.gov.za</p>	
<p>Ms Martina Phiri Eskom Holdings SOC Limited P. O. Box 1091 JOHANNESBURG 2000</p>	
<p>Tel no: 011 800 3550 Email: PhiriM@eskom.co.za</p>	
<p>PER EMAIL / MAIL</p>	
<p>Dear Ms Phiri</p>	
<p>ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GNR. 982, 983, 984 & 985 FOR THE PROPOSED KUDU POWER STATION-ORANJEMOND 1ST AND 2ND 400KV POWER LINES, NORTHERN CAPE PROVINCE</p>	
<p>With reference to the abovementioned application, please be advised that the Department has decided to grant authorisation. The environmental authorisation (EA) and reasons for the decision are attached herewith.</p>	
<p>In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's decision in respect of your application as well as the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations, and the provisions regarding the submission of appeals as contained in the Regulations.</p>	
<p>Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.</p>	
<p>Appeals must be submitted in writing in the prescribed form to:</p>	
<p>Mr Z Hassam, Director: Appeals and Legal Review of this Department at the below mentioned addresses.</p>	
<p>By email: appealsdirector@environment.gov.za</p>	
<p>By hand: Environment House 473 Steve Biko, Arcadia, Pretoria, 0083; or</p>	

MPS

By post: Private Bag X447,
Pretoria,
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, 1998, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

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

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs
Date: 31/07/2019

cc:	Susanna Nel	Landscape Dynamics Environmental Consultants	Tel: 012 480 8043	Email: info@landscape-dynamics.co.za
	AT. Makauli	Northern Cape Provincial Department of Environment and Nature Conservation	Tel: 053 807 7300	Email: tmakauli@ncpp.gov.za
	Abraham de Wet	Richtersveld Local Municipality	Tel: 027 851 1112	Email: Abraham@richtersveld.gov.za



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of regulation 25 of the Environmental Impact Assessment Regulations, 2014

The proposed Kudu Power Station-Oranjemond 1st and 2nd 400kV power lines,
Northern Cape Province

Namakwa District Municipality

Authorisation register number:	14/12/16/3/3/2/977
Last amended:	First issue
Holder of authorisation:	ESKOM SOC Ltd
Location of activity:	NORHTERN CAPE PROVINCE: Richtersveld Local Municipality

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

M.S

Decision

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

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

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

Activities authorised

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

ESKOM HOLDINGS SOC LIMITED

with the following contact details -

Ms Martina Phiri
ESKOM
P.O. Box 1091
JOHANNESBURG
2000

Tel no: 011 800 3550
Email: PhiriM@eskom.co.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1 (GN R. 963), Listing Notice 2 (GN R. 984), and Listing Notice 3 (GN R. 985):

Listed activities	Activity/Project description
<p><u>GN 963 Item 12:</u> The Development of- (xii) infrastructure or structures with a physical footprint of 100 square metres or more; c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p>	<p>Two approximately 2km new power lines will be constructed and the footprint of the pylons will be 100m². Some of the pylon towers will be constructed within 32m from the Orange River.</p>
<p><u>GN 963 Item 19:</u> 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 of more than 5 cubic metres from- (i) a watercourse;</p>	<p>Foundations of 100m² (therefore more than 5m²) will be constructed for the towers and some will occur within 32m of a watercourse (the Orange River).</p>
<p><u>GN 983 Item 24:</u> The development of- (iv) a road with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</p>	<p>The existing R382 road will be deviated at the south-east corner of the substation extension</p>
<p><u>GN 983 Item 27:</u> The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan,</p>	<p>The existing 2,5 hectare footprint of the substation site will be enlarged by an additional 4 hectares of land. The site contains indigenous vegetation.</p>
<p><u>GN 983 Item 47:</u> The expansion of facilities or infrastructure for the transmission and distribution of electricity where the extended capacity will exceed 275 kilovolts and the development footprint will increase.</p>	<p>The project components for the substation upgrade involve</p> <ul style="list-style-type: none"> • the construction of a 400kV yard and equipment including busbar

Listed activities	Activity/Project description
	and bus coupler bay; • installing a 1x 315MVA 400/220kV transformer • creating at least 4x 400kV line bays to allow for potential development In order to achieve the above, it is required to increase the existing 2,5 hectare footprint of the substation with an additional 4 hectares is required. The final footprint will be 6,5ha.
<u>GN 984 Item 9:</u> The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.	Two approximately 2km 400kV power lines will be constructed. The expansion of the existing Oranjemon MTS Substation also forms part of the project components. The study area falls outside urban areas and industrial complexes.
<u>GN 985 Item 4:</u> The development of a road wider than 4 metres with a reserve less than 13,5 metres. (a) In Northern Cape: ii. Outside urban areas, in: (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans; (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 the core areas of a biosphere reserve, excluding disturbed areas;	A new access road wider than 4m will be built to the existing Oranjemon Substation site. The R362 road will be deviated at the south-east corner of the substation extension. The study area on the northern side of the Orange River is classified as an Ecological Support Area (ESA). The section of the study area on south of the Orange River is classified as a

Listed activities	Activity/Project description
	<p>Critical Biodiversity Area (CBA) Type 2</p> <p>The study area is located approximately 10km upstream from the Orange River Mouth Wetlands Important Bird Area (IBA) (SA 030) This IBA was declared a Ramsar site in 1991, as was the Namibian side of the mouth in 1995. Together they form the Orange River Mouth Transboundary Ramsar Site.</p>
<p><u>GN 965 Item 12:</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>(d) in Northern Cape</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;</p>	<p>The existing 2,5 hectare footprint of the substation site will be enlarged by an additional 4 hectares of land. The site contains indigenous vegetation.</p> <p>The study area on the northern side of the Orange River is classified as an Ecological Support Area (ESA).</p> <p>The section of the study area on south of the Orange River is classified as a Critical Biodiversity Area (CBA) Type 2.</p>
<p><u>GN 965 Item 14:</u></p> <p>The development of-</p> <p>(xii) infrastructure or structures with a physical footprint of 10 square metres or more;</p> <p>c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>(a) in Northern Cape</p>	<p>Two approximately 2km new power lines will be constructed and the footprint of the pylons will be 100m² (will therefore exceed 10m²).</p> <p>Some towers will be constructed within 32m from a watercourse (the Orange River).</p>

M.S

Listed activities	Activity/Project description
<p>(iv) Outside urban areas, in:</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>The study area is located approximately 10km upstream from the Orange River Mouth Wetlands Important Bird Area (IBA) (SA 030) This IBA was declared a Ramsar site in 1991, as was the Namibian side of the mouth in 1995. Together they form the Orange River Mouth Trans boundary Ramsar Site.</p>

as described in the Environmental Impact Assessment Report (EIR) dated March 2017 at:

Northern Cape Province
Richtersveld Local Municipality

Farm Name	Portion Number	SG Code
Farm Grootderm 10, Namaqualand RD	Portion 4	C05300430000001000004
Remaining Extent of the Farm Grootderm 10, Namaqualand RD	No Portion number	C05300430000001000000

Powerline corridor 2	Latitude (S)	Longitude (E)
400kv 2 West	16° 36' 6.07" E	28° 32' 43.51" S
400kv 2 West	16° 36' 6.06" E	28° 32' 35.39" S
400kv 2 West	16° 36' 6.05" E	28° 32' 27.27" S
400kv 2 West	16° 36' 2.65" E	28° 32' 19.84" S
400kv 2 West	16° 35' 58.65" E	28° 32' 12.52" S
400kv 2 West	16° 35' 54.66" E	28° 32' 5.20" S
400kv 2 West	16° 35' 50.67" E	28° 31' 57.89" S
400kv 2 West	16° 35' 46.68" E	28° 31' 50.57" S
400kv 2 West	16° 35' 41.74" E	28° 31' 45.94" S
Powerline corridor 1	Latitude (S)	Longitude (E)
400kv 1 East	16° 36' 4.06" E	28° 32' 43.55" S
400kv 1 East	16° 36' 4.08" E	28° 32' 35.43" S
400kv 1 East	16° 36' 4.07" E	28° 32' 27.31" S
400kv 1 East	16° 36' 0.56" E	28° 32' 19.91" S
400kv 1 East	16° 35' 56.52" E	28° 32' 12.62" S
400kv 1 East	16° 35' 52.47" E	28° 32' 5.33" S
400kv 1 East	16° 35' 48.43" E	28° 31' 58.03" S

400kV 1 East	16° 35' 44.39" E	28° 31' 50.74" S
400kV 1 East	16°35'43.748"E	28°31'45.186"S
Substation	Latitude (S)	Longitude (E)
North-west corner	16°35'55.514"E	28°32'39.262"S
North-east corner	16°36'6.461"E	28°32'38.542"S
South-east corner	16°36'7.276"E	28°32'48.231"S
South-west corner	16°36'7.276"E	28°32'48.231"S

- for the proposed Kudu Power Station-Oranjemond 1st and 2nd 400kV power lines, Northern Cape Province, hereafter referred to as "the property".

The proposed project entails the development of the following:

- The existing Oranjemond MTS Substation would be upgraded and expanded to accommodate the new power lines as follows:
 - Constructing a 400kV yard and equipment including busbar;
 - Installing a 1x 315MVA 400/220kV transformer; and
 - Create at least 4x 400kV line bays to allow for potential development.
- 2 x 400kV power lines would be constructed from the Namibian side of the Orange River across the river to connect to the Oranjemond MTS Substation;
- A new access road to the existing Oranjemond Substation site;
- The R362 road deviation at the south-east corner of the substation extension; and
- A two-track service road between the two new power lines within the servitude.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred routes Alternatives 1 and 2 and Substation Alternative East for the proposed Kudu Power Station-Oranjemond 1st and 2nd 400kV power lines, Northern Cape Province with the above coordinates is approved.
2. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.

4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.
6. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.

Notification of authorisation and right to appeal

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

Commencement of the activity

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

Management of the activity

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

Frequency and process of updating the EMPr

11. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 22 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
12. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
13. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982. The updated EMPr must be subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
14. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R.982. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
15. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 982.

Monitoring

16. The holder of the authorisation must appoint an experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.

- 16.1. The ECO must be appointed before commencement of any authorised activities.
- 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 environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department at the following e-mail address: DirectorCompliance@environment.gov.za
18. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
19. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982.
20. The holder of the authorisation must, in addition, submit an environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
21. The environmental audit reports must be compiled in accordance with appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
22. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Notification to authorities

23. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

Operation of the activity

24. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

Site closure and decommissioning

25. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

Specific conditions

26. Sections of the power line crossing adjacent to river must be marked with bird flappers on the earth wires to reduce the impact on avifauna.
27. Vegetation clearing must be kept to the development footprint to ensure least disturbance to sensitive areas.
28. Activities must be restricted away from any rocky hills and outcrops as well as wooden riparian along the Orange River.
29. All bare soil must be covered by planting indigenous vegetation to prevent degradation and erosion.
30. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
31. The proposed power lines alignments must be routed along the existing informal access roads, livestock pathways as well as degraded and transformed habitats or vegetation units.
32. The Water Use Licenses must be obtained from the Department of Water and Sanitation.
33. Should any archaeological sites, artefacts, paleontological fossils or graves be exposed during construction work, work must cease and it must be reported immediately to the Western Cape

Provincial Heritage Resources Authority and SAHRA so that a professional investigation can be undertaken. Sufficient time should be allowed to investigate and to remove/collect such material. Recommendations made after the investigation must be adhered to.

34. All construction material, equipment and any other foreign objects brought into the area by contractors and staff must be removed immediately after construction.
35. Any solid waste must be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

General

36. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying:
 - 36.1. at the site of the authorised activity;
 - 36.2. to anyone on request; and
 - 36.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
37. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 31/07/2009



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Annexure 1: Reasons for Decision

1. Information considered in making the decision

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

- a) The information contained in the EIR dated March 2017 and received on 31 March 2017.
- b) Mitigation measures as proposed in the EIR dated March 2017 and the EMP.
- c) The information contained in the specialist study contained within Appendix D of the EIR; and
- d) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No.107 of 1998).

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 the specialist study conducted and its recommended mitigation measures.
- b) The need for the proposed development is to provide a transmission solution to the proposed Kudu Gas Power Station in Southern Namibia and to ensure reliable electricity will result in uninterrupted supply and therefore growth in industry.
- c) The EIR dated March 2017 identified all legislations and guidelines that have been considered in the preparation of the EIR.
- d) The methodology used in assessing the potential impacts identified in the EIR dated March 2017 and the specialist studies have been adequately indicated.
- e) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 for public involvement.

3. Findings

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

- a) The identification and assessment of impacts are detailed in the EIR dated March 2017 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 proposed mitigation measures for the pre-construction, construction and rehabilitation phases of the development and were included in the EIR. The EMPr will be implemented to manage the identified environmental impacts during the construction phase.

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

**APPENDIX 2
CERTIFIED COPY/IES OF THE ENVIRONMENTAL AUTHORISATION AND ALL SUBSEQUENT AMENDMENTS
THERE TO OR ORIGINAL COMMISSIONED AFFIDAVIT/AFFIRMATION UNDER OATH**



ENVIRONMENTAL AND SOCIAL ADVISORY SERVICES

Department of Forestry, Fisheries and the Environment
Environment House
Cnr. Steve Biko (previously Beatrix Street) and Soutpansberg Road
473 Steve Biko
Arcadia
Pretoria
0083
South Africa

29th November 2021

RE: APPLICATION FOR AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED DEVELOPMENT OF THE KUDU POWERSTATION – ORANJEMOND 1ST AND 2ND 400KV POWER LINES, NORHTERN CAPE PROVINCE (14/12/16/3/3/2/977/AM1)

Dear Mr Sabelo Malaza

Environmental Authorisation (EA) was granted for this aforementioned development on the 31st July 2017. It was subsequently amended on the 17th November 2017.

An application to amend the EA granted has been submitted to the DFFE regarding the micro-siting of the towers. As a requirement of the amendment application form, a certified copy of the original EA must be included in the submission. CES is not in possession of the original EA as a hardcopy and a scanned copy of the EA is attached in the amendment application form submission.

Recently, electronic EA have been issued and CES have a copy of the approval of the amendment. CES have also provided an affidavit confirming that this is indeed a certified copy of the original as it appeared.

I trust you find the above in order.

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

Yours sincerely,

Gregory Shaw

Coastal and Environmental Services (Pty) Ltd

T +27 46 622 2364 | F +27 86 410 7593

67 African Street, Grahamstown, 6139 | PO Box 934, Grahamstown, 6140

Reg no: 2012/151672/07

www.cesnet.co.za

Directors: AM Avis; Q Botha; AR Carter, AG Hingeston



ENVIRONMENTAL AND SOCIAL ADVISORY SERVICES

Principal Consultant (CES)

AFFIDAVIT

I, the undersigned,

Gregory Alan Shaw
(Identity Number: 810428 5086 080)

do hereby make oath and state that:

1. I have received the original version of the Environmental Authorisation Amendment (dated 17 November 2017)
2. Work address: 67 African Street, Grahamstown, 6140
3. Residential address: 21A Park Road, Grahamstown, 6139

Gregory Alan Shaw
(FULL NAME(S) & SURNAME)

This was signed and sworn to before me at Grahamstown on this 26 March 2021. In administering this oath the requirements of Regulation R2477, 16 November 1984, as amended, have been fulfilled.

COMMISSIONER OF OATHS

JUANITA JAGGA
COMMISSIONER OF OATHS
PRACTISING ATTORNEY E.C.D
67 AFRICAN STREET
GRAHAMSTOWN

Coastal and Environmental Services (Pty) Ltd
T +27 46 622 2364 | F +27 86 410 7593
67 African Street, Grahamstown, 6139 | PO Box 934, Grahamstown, 6140
Reg no: 2012/151672/07
www.cesnet.co.za

Directors: AM Avis, Q Botha; AR Carter, AG Hingeston

**APPENDIX 3
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**



ENVIRONMENTAL AND SOCIAL ADVISORY SERVICES

Department of Forestry, Fisheries and the Environment
Environment House
Cnr. Steve Biko (previously Beatrix Street) and Soutpansberg Road
473 Steve Biko
Arcadia
Pretoria
0083
South Africa

29th November 2021

RE: MOTIVATION FOR EXCLUSION FROM PAYING FEES FOR THE APPLICATION FOR AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED DEVELOPMENT OF THE KUDU POWERSTATION – ORANJEMOND 1ST AND 2ND 400KV POWER LINES, NORHTERN CAPE PROVINCE (14/12/16/3/3/2/977/AM1)

Dear Mr Sabelo Malaza

The applicant of the Environmental Authorisation Amendment Application Form for the Kudu Powerstation – Oranjemond 1st and 2nd 400kv power lines is Eskom Holdings SOC limited, which is an organ of state. Hence, an exclusion from the fee regulations will be required for the above-mentioned project.

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

Yours sincerely,

Gregory Shaw
Principal Consultant (CES)

Coastal and Environmental Services (Pty) Ltd
T +27 46 622 2364 | F +27 86 410 7593
67 African Street, Grahamstown, 6139 | PO Box 934, Grahamstown, 6140
Reg no: 2012/151672/07
www.cesnet.co.za

Directors: AM Avis; Q Botha; AR Carter, AG Hingeston

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

There are only two landowners applicable :

- The Registered Landowner of the Remainder of the Farm Groot Derm 10, Namaqualand RD: Pico Eco Farm CC, Mr FAM Gomes (Actong on behalf of Mr Gomes, The Farm Manager: Ms Melanie Stroh, 082 490 0842/melaniestroh2@gmail.com)- **Landowner Consent is attached**

- The Registered Landowner of the Oranjemond Substation on Portion 4 of the Farm Groot Derm 10, Namaqualand RD : Eskom SOC Limited Group Capital (**Eskom SOC Limited is also the Applicant**)

CONSENT USE

Consent in terms of 2014 NEMA EIA Regulations by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question

Notes for completing and submitting this form

Unless protected by law, all information contained in the form will become public information.

CONTACT INFORMATION

Name of land owner/ person in control of the land	Fernando Antonio Madruga Gomes		
Trading name (if any):	Pico Eco Farm		
Contact person:	Melanie Ströh		
Physical address:	Grootdorn Farm No 10, Alexander Bay		
Postal address:	Post Box 270, Alexander Bay 8290		
Postal code:	8290	Cell:	0795290 535
Telephone:	/	Fax:	/
E-mail:	picoecofarm@gmail.com or melaniestroh@gmail.com		

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)
F. A. Madruga Gomes
Melanie Ströh (Legal Proxy)

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)
N364421, passport no
780405018482, RSA ID

am/ are the registered owner/s of the property (insert description of the property/ies and title deed numbers)
Pico Eco Farm and Grootdorn No 10

located at (insert physical address or a brief description of the location of the property)
Grootdorn Farm No 10
Alexander Bay

2. I/ we hereby give consent to the applicant /person for the undertaking of an Environmental Impact Study on the relevant property (insert the name/s of the applicant/person/s)

Eskom Holding SOC Limited

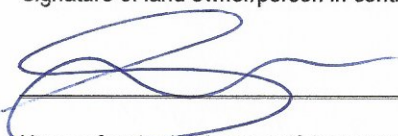
of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)
2002/015527/30

to undertake the following activity(ies) on the property (insert a brief description of the project and identified activity(ies) in question and amendment that will be applied for):

The Kudu Power Station (PS)- Oranjemond 1st and 2nd 400kV Lines project involves the following main components

- The existing Oranjemond MTS Substation would be upgraded and expanded to accommodate the new power lines as follows:
 - Constructing a 400kV yard and equipment including busbar;
 - Installing a 1x 315MVA 400/220kV transformer
 - Create at least 4x 400kV line bays to allow for potential development.
- 2x 400kV power lines would be constructed from the Namibian side of the Orange River across the river to connect to the Oranjemond MTS Substation
- A new access road to the existing Oranjemond Substation site
- The R382 road deviation at the south-east corner of the substation extension
- A two-track service road between the two new powerlines within the servitude.

Signature of land owner/person in control of the land or authorised representative



Name of authorised person if the landowner is a legal entity

14/1/2016

Date

WinDeed Database Property Report



GROOT DERM, 10, 0 (REMAINING EXTENT) (CAPE TOWN)

GENERAL INFORMATION

Date Requested 2016/11/23 09:50
 Deeds Office CAPE TOWN
 Information Source WINDEED DATABASE
 Reference -



PROPERTY INFORMATION

Property Type FARM
 Farm Name GROOT DERM
 Farm Number 10
 Portion Number 0 (REMAINING EXTENT)
 Local Authority -
 Registration Division NAMAQUALAND RD
 Province NORTHERN CAPE
 Diagram Deed NAQ9-20/1914
 Extent 16204.0182H
 Previous Description *19605M 374SQRD
 LPI Code C0530000000001000000

OWNER INFORMATION

Owner 1 of 1

Type CLOSE CORPORATION
 Name PICO ECO FARM C C
 ID / Reg. Number 199802150623
 Title Deed T80322/1998
 Registration Date 1998/08/25
 Purchase Price (R) ESTATE
 Purchase Date -
 Share 0.00
 Microfilm 2002 0235 0367
 Multiple Properties NO
 Multiple Owners NO

ENDORSEMENTS (7)

#	Document	Institution	Amount (R)	Microfilm
1	K1269/1996S	-	UNKNOWN	1996 0988 2214
2	K147/2002S	-	UNKNOWN	2002 0235 0374
3	K193/1980S	-	UNKNOWN	-
4	K629/1977S	-	UNKNOWN	-
5	FARM NA 10	-	UNKNOWN	1985 0051 0658
6	PTNS NM RD 10/1-4	-	UNKNOWN	-
7	K259/2015S	-	UNKNOWN	-

HISTORIC DOCUMENTS (3)

#	Document	Owner	Amount (R)	Microfilm
1	T18260/1944	SCHOLTZ MARIA GEESIE	UNKNOWN	1987 1040 0466
2	T41614/1987	SCHOLTZ DANIEL JACOBUS PAUL	ESTATE	1998 0662 4098
3	T80322/1998	SCHOLKOR C C	ESTATE	2002 0235 0367

DISCLAIMER

This report contains information gathered from our suppliers and we do not make any representations about the accuracy of the data displayed nor do we accept responsibility for inaccurate data. WinDeed will not be liable for any damage caused by reliance on this report. This report is subject to the terms and conditions of the WinDeed End User Licence Agreement (EULA).

WinDeed Database Property Report

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GROOT DERM, 10, 4 (CAPE TOWN)

GENERAL INFORMATION

Date Requested 2016/11/23 09:42
Deeds Office CAPE TOWN
Information Source WINDEED DATABASE
Reference -

**PROPERTY INFORMATION**

Property Type FARM
Farm Name GROOT DERM
Farm Number 10
Portion Number 4
Local Authority -
Registration Division NAMAQUALAND RD
Province NORTHERN CAPE
Diagram Deed T1892/1979
Extent 9,0003HA
Previous Description -
LPI Code C05300000000001000004

OWNER INFORMATION

Owner 1 of 1
Type COMPANY
Name ESKOM HOLDINGS LTD
ID / Reg. Number 200201552706
Title Deed T1892/1979
Registration Date 1979/02/06
Purchase Price (R) 0
Purchase Date -
Share 0.00
Microfilm -
Multiple Properties NO
Multiple Owners NO

ENDORSEMENTS (1)

#	Document	Institution	Amount (R)	Microfilm
1	FARM NA 10/4	-	UNKNOWN	1985 0051 0664

HISTORIC DOCUMENTS (1)

#	Document	Owner	Amount (R)	Microfilm
1	T1892/1979	ESKOM	0	-

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**APPENDIX 5
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>	
<p>SIP 8: Green energy in support of the South African economy</p> <p>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.</p>	

Indicate capacity in MW:	
<p>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.</p> <p>Indicate capacity in MW:</p>	
<p>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.</p>	X
<p>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.</p>	
<p>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.</p>	
<p>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.</p>	
<p>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.</p>	
<p>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 Infracore 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.</p>	
<p>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.</p>	
<p>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%.</p>	

<p>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.</p>	
<p>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.</p>	
<p>SIP 19: Water and Sanitation a. Vaal River System including Phase 2 of the Lesotho Highlands Water Project: Gauteng b. Phase 2A of the Mokolo Crocodile River (West) Augmentation Project: Limpopo c. uMkhomazi Water Project: KwaZulu Natal d. Olifants River Water Resource Development Project - Phase 2: Limpopo e. Vaal-Gamagara: Northern Cape f. Mzimvubu Water Project: Eastern Cape g. Rehabilitation of the Vaalharts-Taung Irrigation Scheme: Northern Cape & North West h. Groot Letaba River Water Development Project - Nwamitwa Dam: Limpopo i. Berg River Voëlvlei Augmentation Scheme: Western Cape j. Rustfontein Water Treatment Works: Free State k. Orange-Riet Canal Increase of Bulk Raw Water Supply: Free State</p>	
<p>SIP 20: Energy a. Emergency/Risk Mitigation Power Purchase Procurement Programme (2000MW): National b. Small IPP Power Purchase Procurement Programme (100MW): National c. Embedded Generation Investment Programme (EGIP)-400MW: National</p>	
<p>SIP 21: Transport a. N1 Windburg Interchange to Windburg Station: Free State b. N1 Musina Ring Road: Limpopo c. N1 Polokwane Eastern Ring Rd Phase 2: Limpopo d. N1 Ventersburg to Kroonstad: Free State (2 projects in One) e. N2 Mtunzini Toll Plaza to Empangeni T-Junction: KwaZulu Natal f. N3 Cato Ridge to Dardanelles: KwaZulu Natal g. N3 Dardanelles to Lynnfield Park: KwaZulu Natal h. N3 Paradise Valley to Mariannhill Toll Plaza: KwaZulu Natal i. N2 Edwin Swales to South of EB Cloete Interchange: KwaZulu Natal j. N3 Ashburton Interchange to Murray Road: KwaZulu Natal k. N3 Mariannhill Toll Plaza to Key Ridge: KwaZulu Natal l. N2 EB Cloete Interchange: KwaZulu Natal m. Small Harbours Development: National n. N3 New alignment via De Beers Pass: Free State o. Boegoebaai Port and Rail Infrastructure Project: Northern Cape</p>	
<p>SIP 22: Digital Infrastructure a. National Spatial Infrastructure Hub</p>	
<p>SIP 23: Agriculture and Agro-processing a. Marine Tilapia Industry: Eastern Cape b. Natural Dehydrated Foods: Mpumalanga</p>	
<p>SIP 24: Human Settlements a. Greater Cornubia: KwaZulu-Natal b. Vista Park II & III: Free State</p>	

c. Lufhereng: Gauteng	
d. Malibongwe Ridge: Gauteng	
e. N2 Nodal Development: Eastern Cape	
f. Matlosana N12 West: North West	
g. Green Creek: Gauteng	
h. Mooikloof Mega Residential City: Gauteng	
i. Fochville Extension 11: Gauteng	
j. Germiston Ext 4 Social Housing Project: Gauteng	
k. Newcastle Hospital Street Social Housing Project: KwaZulu Natal	
l. Hull Street Social Housing Project Phase 1: Northern Cape	
m. Kwandokuhle Social Housing Project: Mpumalanga	
n. Phola Heights - Tembisa Social Housing Project: Gauteng	
o. Sondela Phase 2: Gauteng	
p. Willow Creek Estate: Mpumalanga	
q. Joe's Place Social Housing: Gauteng	
r. Jeppetown Social Housing Project (Unity House): Gauteng	
SIP 25: Rural Bridges "Welisizwe" Programme	
SIP 26: Rural Roads Upgrade Programme	
SIP 27: Upgrading and Repair of Township Roads in Municipalities Programme	
SIP 28: PV and Water Savings on Government Buildings Programme	
SIP 29: Comprehensive Urban Management Programme	
SIP 30: Digitising of Government Information Programme	
SIP 31: Removal of Alien Vegetation and Innovative Building Materials Programme	
SIP 32: National Upgrading Support Programme (NUSP)	
SIP 33: Solar Water Initiatives Programme	
SIP 34: Student Accommodation	
SIP 35: SA Connect Phase 1B Programme	
SIP 36: Salvokop Precinct	

PLEASE ATTACH PROOF FROM THE RELEVANT SIP CO-ORDINATOR FOR EACH OF THE SIP PROJECT SELECTED.

Mr Ishaam Abader
Deputy Director General
Department of Forestry, Fisheries and the Environment
Environmental House
ARCADIA

Dear Mr Abader

RE: SIP Project Confirmation DFFE

Eskom has been appointed to be the SIP Coordinator for all projects within SIP 08, SIP 09 and SIP 10 by the Infrastructure South Africa (ISA) office in the Presidency via the Presidential Infrastructure Coordinating Commission (PICC) Council chaired by the honourable President of South Africa.

As such, as the SIP Coordinator, I can confirm that the list of projects outlined in Table 1 below are SIP projects as gazetted by the Minister.

TABLE 1: SIP CONFIRMATIONS		
PROJECT NAME	PROJECT DESCRIPTION	SIP
Kudu Power Station (PS) Oranjemond 400kV lines and Gromis Oranjemond 400kV lines	Kudu Power Station (PS) Oranjemond 400kV lines and Gromis Oranjemond 400kV lines	SIP 10

If any further clarification is required, you are welcome to contact this office.

Yours sincerely



Dr Rudolph van Buuren
GENERAL MANAGER (ACTING)
Strategic Projects Department
Date: 15 October 2021

**APPENDIX 6 DECLARATION
OF THE EAP**

I, Anthony Avis, 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 13 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:

Name of company:

CES – Environmental and Social Advisory Services (Pty) Ltd.

Date:

30th November 2021

UNDERTAKING UNDER OATH/ AFFIRMATION

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



Signature of the Environmental Assessment Practitioner

CES – Environmental and Social Advisory Services (Pty) Ltd.
Name of Company

30th November 2021

Date



Signature of the Commissioner of Oaths

LYNN SMIT
COMMISSIONER OF OATHS
REFERENCE NUMBER: 9/1/8/2 EAST LONDON
25 TECOMA STREET, BEREA
EAST LONDON, 5214

30th November 2021

Date



Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	fa95779b-f063-44c9-b982-4ba191d7f78f	Timestamp:	2021-11-30T10:19:05.446669Z
Signee Name:	Dr. Anthony Avis	Sender Name:	Lynn Smit
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	EAP declaration TED AVIS.pdf	Document Size:	58.4 KB
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Email Evidence

Signee Email:	t.avis@cesnet.co.za	Email Subject:	A document from Lynn Smit is ready for signature
Email Sent Timestamp:	2021-11-30T08:26:53.600402	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	105.186.83.84	Request Timestamp:	2021-11-30T10:18:35.994779
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4664.55 Safari/537.36 Edg/96.0.1054.34	Terms Accepted Timestamp:	2021-11-30T10:18:41.618998

Annotations and Modifications

Signature Count:	1	Form Fields Filled Count:	0
Text Annotation Count:	0	Initial All Pages Count:	0
Single Initial Count:	0		

Signing Evidence

Signee Mobile:	+27827836393	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	ec71cccd-178b-4aab-b3be-fe3c5a314764

Chain Of Custody Generation

Attached Document Name:	20211130T101905.310810Z EAP declaration TED AVIS.pdf	Attached Timestamp:	2021-11-30T10:19:05.446687Z
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	b3c35329-f4e3-44b6-8e23-58782b879a5a	Timestamp:	2021-12-01T13:06:07.483205Z
Signee Name:	Dr. Anthony Avis	Sender Name:	Lynn Smit
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	EAP declaration TED AVIS 1.pdf	Document Size:	136.7 KB
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Email Evidence

Signee Email:	t.avis@cesnet.co.za	Email Subject:	A document from Lynn Smit is ready for signature
Email Sent Timestamp:	2021-12-01T11:22:23.696407	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	105.186.83.84	Request Timestamp:	2021-12-01T13:04:57.477513
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4664.55 Safari/537.36 Edg/96.0.1054.34	Terms Accepted Timestamp:	2021-12-01T13:05:04.551076

Annotations and Modifications

Signature Count:	1	Form Fields Filled Count:	0
Text Annotation Count:	0	Initial All Pages Count:	0
Single Initial Count:	0		

Signing Evidence

Signee Mobile:	+27827836393	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	fd34d602-ff53-469c-93ea-99e6eb3d489d

Chain Of Custody Generation

Attached Document Name:	20211201T130607.321530Z EAP declaration TED AVIS 1.pdf	Attached Timestamp:	2021-12-01T13:06:07.483227Z
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