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BOSA

TRANSMISSION PROJECT

BOSA TRANSACTION ADVISORY SERVICES

BOSA ENVIRONMENTAL AUTHORISATION APPLICATION FORM

DOCUMENT CONTROL

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Current revision		1				

APPROVALS

Transaction Advisor Approval

Author signature		Approver signature	
Name	Diane Erasmus	Name	Deon Vrey
Title	Stream Lead	Title	Technical Director
Date	26 JUNE 2017	Date	

Sponsor Approval

Eskom Approver Signature	
Name	SEBENZILE VILAKAZI
Title	SENIOR ENVIRONMENTAL ADVISOR
Date	27/06/2017

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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:	(For official use only)
NEAS Reference Number:	DEA/EIA/
Date Received:	

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

PROJECT TITLE

The Botswana-South Africa (BOSA) Transmission Interconnection Project

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

Yes
No

Kindly note that:

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

BOSA

TRANSMISSION PROJECT

Departmental Details

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

Postal address:

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

Physical address:

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

Queries must be addressed to the contact below:

E-mail: EIAAdmin@environment.gov.za

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

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

1. PROOF OF PAYMENT

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

Proof of payment **not required - motivation** attached as [Appendix 1](#)

Exclusion applies



An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or

The applicant is an organ of state.

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

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

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

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

2. PROJECT DESCRIPTION

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

PROJECT BACKGROUND

The Southern African Development Community (SADC) Region enjoyed a long period of excess generation capacity and an abundance of transmission facilities to evacuate power from the generation facilities to the customers. Since 2007, the Region has run out of excess generation capacity and many Regional transmission lines are now congested. The Southern African Power Pool (SAPP) is tasked with coordinating the activities of Power Utilities in the SADC region and facilitating the development of new generation and transmission facilities.

The SAPP generation and transmission interconnector landscape reflects both the current status and planned generation capacity and transmission interconnectors within the region. An assessment of this landscape, based on currently available public domain documentation, reveals the potential impact that proposed generation and transmission interconnector infrastructural developments will have on the demand balance in the region in the medium term future.

One of the identified and planned initiatives is that of the Botswana-South Africa (BOSA) Transmission Interconnection Project, which entails the construction of approximately **210 km of 400 kV transmission line between existing Isang substation in Botswana and the proposed Watershed B area near Mafikeng in South Africa** on behalf of Eskom of South Africa and Botswana Power Corporation (BPC) of Botswana. This application is for a **1 km wide corridor (i.e. 500m either side of the powerline)** within which the transmission line (requiring a 55m wide servitude) can be located.

Pre-feasibility stage

Potential corridor alternatives were identified in the feasibility stages of the project and screened to identify the 5 most viable alternatives. These alternatives routes were then subjected to a Multi-criteria Decision-making Model (MCDM) process to determine the preferred route, taking the following criteria into account:

- **Technical category.** This relates to the impact of a specific route alignment with regard to achieving the technical goals of the project while reducing cost and increasing ease of both construction and maintenance activities.
- **Environmental category.** This component refers to the need to select a route that minimises the risk to ecosystem functioning and environmental integrity. Therefore, the environmental criterion prioritises the anticipated impacts on the both terrestrial and aquatic fauna (especially avifauna who are negatively impacted by high voltage transmission lines) and flora.
- **Social Category.** This aspect considers the impact of route alignment on people. Specifically avoiding residential areas, areas where assets and livelihoods may be affected (e.g. the loss of agricultural land for tower structures, the impact on tourism activities in game farm areas) and the need for compensation. Visual impacts and the impacts on heritage resources is also an important consideration in routing power lines.
- **Strategic category.** This aspect relates to the potential to either provide bulk power to large users in the area in future or allow for ease of connection to large generators of power in the future.

This MCDM process included not only the relevant environmental and social specialist team, but also Aurecon technical team and representatives of Eskom and the Botswana Power Corporation, in order to

ensure that all relevant information, local knowledge and transmission expertise was duly taken into consideration in the final decision; and that all interested parties agree on the way forward. Specialist input was obtained to draw up the criteria, which were deemed to have most relevance to the selection of route alignments.

Route C was identified as the preferred route to be assessed during the ESIA phase. Due to the size of the project, its international status and the fact that independent specialists were involved in the identification of the preferred route, **only the preferred route (Route C) will be assessed in more detail by all specialists** according to their individual discipline Terms of Reference (ToR). The Watershed B site was originally located to the south east of Mafikeng but due to altered growth loads and updated objectives for Eskom, the site was moved to the north west of Mafikeng. This required an additional process in the pre-feasibility stage to assess constraints and opportunities associated with linking the proposed Watershed B substation to the existing Isang substation. A new route was thus found to link to the existing preferred route to Isang, following the same process that was used to determine the original preferred route. This is the route which has been taken forward into the Scoping and ESIA phases

Other project alternatives considered were:

- **Design Alternatives:** Various tower structures on which powerlines will be suspended were considered for use during the construction in different sections of the line, subject to landscape, engineering and the biophysical nature of the receiving environment. The towers will vary between 21.75 m and 30.75 m in height and the distance between each tower towers will be between 250 m and 500 m. The proposed structures are:
 - (a) 518 lattice tower series (Quad Zebra) (will be used in South Africa where the 529 series are not suitable);
 - (b) 520 Guyed-V lattice towers (will be used in South Africa where the 529 series are not suitable);
 - (c) 529 Cross-roped lattice tower (the main preferred tower design in South Africa); and
 - (d) 515 Guyed-V lattice towers (the main preferred tower design in Botswana).
 - (e) 517A Self-Supporting Suspension Towers (will be used in South Africa where the 529 series are not suitable);
- **Technology Alternatives:** During the inception phase of the study, preliminary discussions with Eskom and BPC indicated the selection of a Triple Tern ACSR conductor as a preferred option based on various factors such as radio interference limits, audible noise and surface gradient.

Construction Phase

The construction activities will include the following:

- Establishment of campsites for the Contractor's workforce;
- Construction of access roads and stormwater infrastructure where required;
- Pegging out of tower locations;
- Removal and stockpiling of topsoil;
- Transportation and storage of construction equipment on site;
- Installation of foundation for the towers;
- Assembly and erection of towers;
- Cable stringing and installation of earth conductors; and
- Handling and disposal of construction waste.

Rehabilitation Phase

Although the design life of the powerline is permanent and there is no intention to decommission the infrastructure, a proper rehabilitation procedure must be followed following construction activities. The objective of rehabilitating the site would be to re-instate the affected project areas not needed for project infrastructure to a similar or better condition to the current environment.

The rehabilitation of disturbed areas will be done immediately after construction activities have been completed at each pylon site. This will include:

- Removal / decommissioning of Contractor’s camp.
- Removal and disposal of all construction equipment and rubble
- Rehabilitation of the disturbed areas as a result of construction works

Rehabilitation will be done as per the specifications of ESMP.

Operation Phase

- The operational phase refers to the actual operation of the proposed powerline and associated infrastructures (i.e. substation).
- This phase is not likely to have a significant impact on the natural environment or put a burden on local services. The infrastructure would not require service provision except for maintenance.
- Maintenance will be done as per the specifications and / or requirements of Eskom and BPC.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	NO
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If YES, please indicate which SIPs are applicable in [Appendix 2](#). You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in [Appendix 2](#)

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	YES	NO
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Green economy + “Green” and energy-saving industries		Greenfield transformation to urban or industrial form (including mining)	
Infrastructure – electricity (generation, transmission & distribution)	X	Biodiversity or sensitive area related activities	
Oil and gas		Mining value chain	
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments	
Nuclear		Boat building	

Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles	
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals	
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather	
Basic services (local government access roads)		Forestry, paper, pulp and furniture	
Basic services (local government) – public transport		Business process servicing	
Infrastructure – water (bulk and reticulation)		Advanced materials	
Basic services (local government) – sanitation		Aerospace	
Basic services (local government) – waste management		Basic services (local government) – education	
Basic services (local government) water		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

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

3. GENERAL INFORMATION

Applicant name:

Registration number (if applicant is a company):

Trading name (if any):

BBBEE status

Eskom Holdings SOC Limited
Not Applicable
Eskom Holdings SOC Limited

Responsible person name (If the applicant is a company):	Mr David Tunnicliff		
Applicant/ Responsible person ID number:	640327 5048 080		
Responsible position, e.g. Director, CEO, etc.:			
Physical address:	MegaWatt Park, Maxwell Drive, Rivonia		
Postal address:	P.O.Box 1091, Johannesburg		
Postal code:	2000	Cell:	083 633 1547
Telephone:	011 800 5145	Fax:	011 800 3917
E-mail:	tunicDA@eskom.co.za		

Provincial Authority:	Department of Rural, Environment and Agricultural Development		
Contact person:	MEC Manketse Tlhape		
Postal address:	Private Bag X2039, Mmabatho		
Postal code:	2735	Cell:	
Telephone:	018 389 5056/5688	Fax:	
E-mail:			

Local municipality:	Please refer to Appendix 3.		
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

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

Landowner:	Please refer to Appendix 4.		
Contact person:			
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.** Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4.** [Please refer to Appendix 4.](#)

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

Department of Environmental Affairs
Section 24C (2)(c): The development traverses international boundaries

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:
B-BBEE

Aurecon South Africa (Pty) Ltd			
Contribution level (indicate 1 to 8 or non compliant)	2	Percentage Procurement recognition	125%

Professional affiliation/registration:

Environmental Assessment Practitioner of South Africa (EAPSA)
--

Contact person:

Diane Erasmus

Company:

Aurecon South Africa (Pty) Ltd

Physical address:

Suite 201, 2nd Floor, Bloemhof Building, 65 York Street, George, 6529
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Postal address:

PO Box 509, George

Postal code:

6530	Cell:	083 308 6750
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Telephone:

044 805 5428	Fax:	044 805 5454
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E-mail:

Diane.Erasmus@aurecongroup.com

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

5. SITE DESCRIPTION

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

Province	North West Province
District Municipality	Ngaka Modiri Molema District Municipality
Local Municipality	Ramotshere Moiloa and Mahikeng Local Municipalities
Ward number(s)	-
Nearest town(s)	Mafikeng
Farm name(s) and number(s)	Please refer to Appendix 5
Portion number(s)	Please refer to Appendix 5

Surveyor General 21 digit code

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

1	2	3	4	5																

Are there any other applications for Environmental Authorisation on the same property?	YES	NO
If YES, please indicate the following:		
Competent Authority		
Reference Number		
Project Name		
Please provide details of the steps taken to ascertain this information: As the transmission line crosses a number of properties, it is not possible at this stage to be certain if there may be other applications on any of the affected properties. Should any such information be determined during the process, this will be indicated to DEA.		

6. ACTIVITIES TO BE AUTHORISED

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

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse	e.g. A bridge measuring 110 square metres will be constructed within the watercourse
<u>GN R983 Activity 11</u> <i>The development of facilities or infrastructure for the transmission and distribution of electricity – (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</i>	The proposed transmission line is a 400 kilovolts line and it may traverse urban areas or industrial complexes between Mafikeng (RSA) and Isang (Botswana)

<p><u>GN R983 Activity 12</u> <i>The development of-</i> <i>(xii) infrastructure or structures with a physical footprint of 100 square metres or more;</i> <i>where such development occurs-</i> <i>(a) within a watercourse.</i></p>	<p>The transmission line will traverse numerous water resources, include but not limited to the following:</p>
<p><u>GN R983 Activity 14</u> <i>The development of:</i> <i>The development of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres but not exceeding 500 cubic metres.</i></p>	<p>The construction phase may include the storage of hydrocarbons in the lay down areas for construction machinery and/or vehicles.</p>
<p><u>GN R983 Activity 19</u> <i>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shell grit, pebbles or rock of more than 5 cubic metres from –</i> <i>(i) a watercourse.</i></p>	<p>Due to the length of the proposed transmission line, it will be necessary to cross various watercourses. The need to impact on a watercourse by removing soil, sand, pebbles or rock in order to erect towers may arise.</p>
<p><u>GN R983 Activity 27</u> <i>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation</i></p>	<p>The proposed 210 km transmission line, of which 146 km is in South Africa, may traverse indigenous vegetation. Due to the size of the tower footprint it may be necessary to clear more than 1 hectare of indigenous vegetation.</p>
<p><u>GN R984 Activity 9</u> <i>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.</i></p>	<p>The project entails the development of a 400 kV transmission line from the Watershed B area close to Mafikeng to the Isang substation in Botswana. The majority of the corridor will be outside urban areas or industrial complexes.</p>
<p><u>GN R985 Activity 4</u> <i>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.</i></p>	<p>The construction phase may include the storage of hydrocarbons in the lay down areas for construction machinery and/or vehicles.</p>

<p>North West</p> <p><i>(vi) Areas within a watercourse or wetland, or within 100 metres from the edge of a watercourse or wetland.</i></p>	
<p><u>GN R985 Activity 12</u></p> <p><i>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.</i></p> <p>North West</p> <p><i>(vi) Areas within a watercourse or wetland, or within 100 metres from the edge of a watercourse or wetland.</i></p>	<p>Clearance of vegetation within watercourse or 100m from the edge of a watercourse might be required.</p>
<p><u>GN R985 Activity 14</u></p> <p><i>The development of —</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs—</i></p> <p><i>(a) within a watercourse;</i></p> <p>North West</p> <p><i>(iv) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority;</i></p> <p><i>(vi) Areas within 5 kilometres from protected areas identified in terms of NEMPAA or from the core areas of a Biosphere reserve.</i></p>	<p>The proposed transmission line will have a footprint of 210 000m (L) X 1000m (W). The line will traverse numerous water courses.</p> <p>According to the North West Biodiversity Conservation Assessment Report¹ it all falls within two Critical Biodiversity Areas (CBA), namely CBA T1 and T2.</p> <p>The proposed corridor is also within 5km of the Madikwe Nature Reserve along the South Africa - Botswana border,</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

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

A project schedule, indicating the different phases and timelines of the project, must be attached as [Appendix 7](#).

¹ Department: Agriculture, Conservation, Environment and Rural Development (DACERD) (2009). North West Province Biodiversity Conservation Assessment Technical Report. Version 1.

7. PUBLIC PARTICIPATION

Provide details of the public participation process (also known as the Stakeholder Engagement Process in this project) proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

The public participation activities undertaken to date:		
Task	Details	Date
I&AP identification	An I&AP database was developed for the Project by establishing the jurisdiction of organisations, individuals and businesses in proximity to the Project site or with an interest in the proposed development. The same process has been followed in South Africa and Botswana, although it is not a legal requirement in Botswana to officially notify landowners adjacent to affected property owners. The database of I&APs includes the landowner, the adjacent landowners, relevant district and local municipal officials, relevant national and provincial government officials, and non-governmental organisations. This database is being augmented via chain referral during the ESIA process and will be continually updated as new I&APs are identified throughout the project lifecycle.	Updated as and when required
Notifications	<ul style="list-style-type: none"> • BIDs were emailed and posted to the identified I&APs and hand delivered to community representatives. • Pamphlets outlining the project and translated into Afrikaans and Tswana in South Africa and Setswana in Botswana were hand delivered to community representatives. • Site notices were placed at strategic locations along the route. • Authorities and I&APs were given 30 days within which to register and submit initial comments on the proposed project - the initial comment period was concluded on the 3 February 2017. 	18 Jan – 3 Feb 2017
Addressing comments received	All the issues and comments that have been raised by the I&APs through the various channels during the initial period of Scoping Phase (including I&AP registration forms and e-mail communications) have been captured in the Comments and Response Report (CRR).	19 Jan – 3 Feb 2017

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
SEMA s				
National Environmental Management: Air Quality Act	YES	NO	YES	NO
National Environmental Management: Biodiversity Act	YES	NO	YES	NO

National Environmental Management: Integrated Coastal Management Act	YES	NO	YES	NO
National Environmental Management: Protected Areas Act	YES	NO	YES	NO
National Environmental Management: Waste Act	YES	NO	YES	NO
National legislation				
Mineral Petroleum Development Resources Act	YES	NO	YES	NO
National Water Act	YES	NO	YES	NO
National Heritage Resources Act	YES	NO	YES	NO
Others: Please specify	YES	NO	YES	NO

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

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

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	NO
Appendix 2	Strategic Infrastructure Projects	YES	N/A
Appendix 3	List of Local Municipalities (with contact details)	YES	N/A
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES	NO
Appendix 5	List of SGIDs	YES	N/A
Appendix 6	Project map	YES	NO
Appendix 7	Project schedule	YES	N/A
Appendix 8	Declaration of Applicant	YES	NO
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES	NO



APPENDIX 1

Proof of Payment/ Motivation for Exclusion

As Eskom is considered an Organ of State, this application is excluded from application fees.

Tshwane
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4 Davenry Street
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South Africa

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W aurecongroup.com

The Aurecon logo consists of a small green square above the word 'aurecon' in a bold, lowercase, sans-serif font.

Our Ref: 112581/EIA/BOSA

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

Attention Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Email: EIAAdmin@environment.gov.za

30 June 2017

Dear Sir/Madam

MOTIVATION FOR THE EXCLUSION OF THE APPLICABLE FEE FOR THE APPLICATION OF THE ENVIRONMENTAL AUTHORISATION: NEMA ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOTSWANA-SOUTH AFRICA (BOSA) TRANSMISSION INTERCONNECTION PROJECT

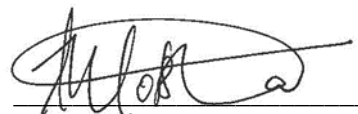
Eskom State Owned Company (SOC) Limited is applying for an Environmental Authorisation (EA) in terms of the National Environmental Management Act (No.107 of 1998) (NEMA) for the proposed Botswana-South Africa Transmission Interconnection Project. Eskom has, in line with the Environmental Impact Assessment (EIA) Regulations of 2014, appointed Aurecon South Africa (Pty) Ltd as an independent environmental consulting firm to conduct the EIA Process and associated licences and/or permits.

Eskom being an Organ of State is therefore exempted from paying the applicable fee for the application of the EIA in terms of Section 2(b) of the Government Notice (GN) No.141 of 2014 under the NEMA, 1998.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Diane Erasmus', written over a horizontal line.

Diane Erasmus
Associate

A handwritten signature in black ink, appearing to read 'Wendy Mlotshwa', written over a horizontal line.

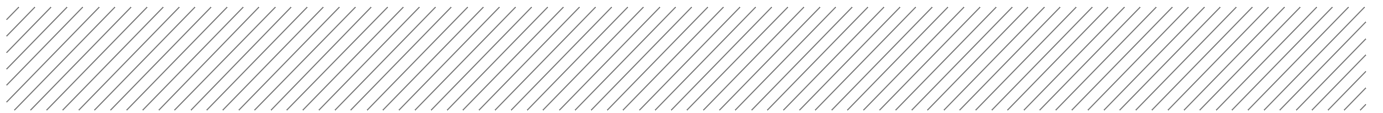
Wendy Mlotshwa
Environmental Consultant

APPENDIX 2

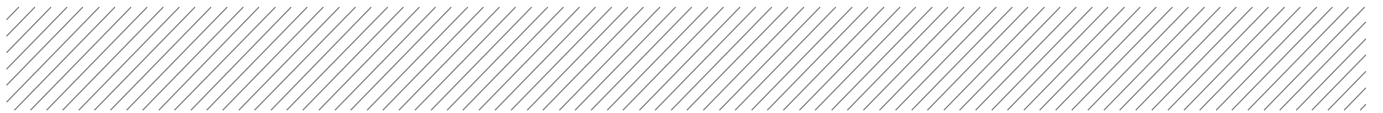
Strategic Infrastructure Projects

This project is considered a SIP10 project. Confirmation letter is attached after the table.

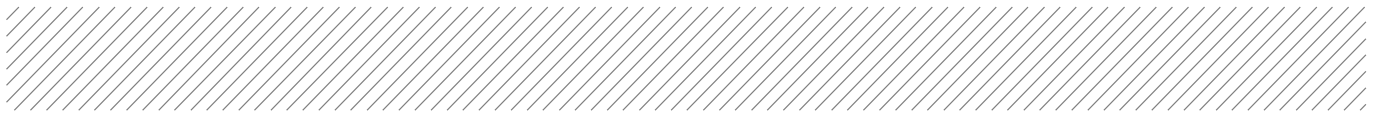
<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none">• Unlock mineral resources• Rail, water pipelines, energy generation and transmission infrastructure• Thousands of direct jobs across the areas unlocked• Urban development in Waterberg - 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	



<ul style="list-style-type: none"> • 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> <p><i>Indicate capacity in MW:</i></p>	
<p>SIP 9: Electricity generation to support socioeconomic development</p> <p>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><i>Indicate capacity in MW:</i></p>	
<p>SIP 10: Electricity transmission and distribution for all</p> <p>Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.</p> <p>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</p> <p>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%. 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.</p>	



<p>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>	

APPENDIX 3

List of Local Municipalities

Local Municipality	Mahikeng Local Municipality
Contact Person	Khumo Nyembe/ Masechaba Mohale
Postal Address	Private Bag X63, Mmabatho, 2735
Telephone	018 389 0111
E-mail	-

Local Municipality	Ramotshere Moiloa Local Municipality
Contact Person	Mr Tiro Seleka
Postal Address	P.O. Box 92, Zeerust, 2865
Telephone	018 642 1081
E-mail	tiro.seleka@ramotshere.gov.za



APPENDIX 4

List of Landowners and Landowner Consent

Please note that as this application pertains to a linear project. Obtaining written consent from landowners is exempt as per section 39(2) (a) of the EIA Regulations (2014).

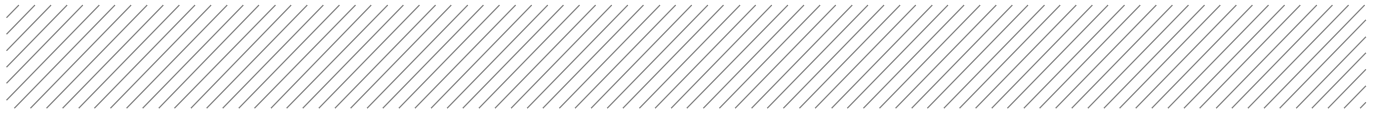
Survey General 21 Digit Code	Farm Name	Portion	Landowner	Physical Address
T0KP00000000010500000	Vleifontein 105	0	Borobalo Bed & Breakfast CC	490 Unit 1, Lehurutshe Zeerust
T0KP00000000012800000	Sandbult 128	0	J G Ranching Co Pty Ltd	93 Bland Street Mossel Bay, 6506
T0KP00000000012600012	Welgevonden 126	12		
T0KP00000000012600013	Welgevonden 126	13		
T0KP00000000012600004	Welgevonden 126	4	N J G & J J Meyer Trust	
T0JP00000000003400006	Zwartfontein 34	6	North West Tyres cc	48 Church Street, Zeerust, 2865
T0JP00000000003400007	Zwartfontein 34	7		
T0JP00000000000800000	Huyserslaagte 8	0	Thabiletrade 1105 cc	22 Phuana Section Zeerust, 2865
T0JP00000000003500001	Zandfontein 35	1	Tlhabane Gabriel Tiro	3340 Kgadi Street Itsoseng Zone 3, 2744
T0KP00000000009400000	Abjaterskop 940	0	Abjaterskop Game Reserve	
T0JP00000000003400014	Swartfontein 34	14	Andries Johannes Hendrik Nicolaas Helm	Farm Swartfontein Zeerust, 2865
T0JP00000000000300003	Draailaagte 3	3	Egidius Benedictus Van Wyk	3 Alice La Sandton Platvlei Sannieshof, 2196
T0JP00000000000200004	Putfontein 2	4	Elizabeth Maude Southwood	Nietverdiend Lehurutshe, 2880
T0KP00000000013200000	Brakfontein 132	0	Norman Modisane Mongage	
T0JP00000000000200001	Putfontein 2	1	Patrick Hendrik Loots	18 Springbok Avenue Nylstroom, 0510
T0JP00000000000200002	Putfontein 2	2		

T0JP0000000000200007	Putfontein 2	7		
T0JP00000000003300000	Olifantsfontein 33	0	Ragies Real Estates Pty Ltd	Farm Olifantsfontein Nietverdiend, 2874
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T0JP00000000003300003	Olifantsfontein 33	3		
T0JP0000000000300001	Draailaagte 3	1	Batshweneng Communal Property Association	
T0JO00000000004100002	Willowpark 41	2		
T0KP00000000013100001	Brakfontein 131	1	Kokame Communal Property Association	
T0KP00000000013200001	Brakfontein 132	1		
T0KP00000000012000003	Droogedal 120	3		
T0KP00000000012600008	Welgevonden 126	8		
T0JP0000000000300000	Draailaagte 5	0	Tshwaane Communal Property Association	
T0JO00000000004700000	Welbedacht 47	0	Ramotshere Moiloa Local Municipality	Cnr. President and Coetzee Street
T0KP00000000010000000	Slalaagte 100	0	Republic of Bophuthatswana	DPSM Headquarters Attorney General Chambers Building Government Enclave Gaborone
T0KP00000000010000001	Slalaagte 100	1		
-	-		Dave Harman	-
-	-		Naude Pienaar	-
-	-		Sarel Pretorius	-
-	-		Wynand Buys	-
T0KP00000000012000014	Droogedal 120	14	Nothing found on Windeed	-
T0KP00000000012000015	Droogedal 120	15		
T0KP00000000012000020	Droogedal 120	20		
T0KP00000000007800003	Kopfontein 78	3		
T0KP00000000007800003	Kopfontein 78	3		
T0KP00000000007800004	Kopfontein 78	4		
T0KP00000000007800005	Kopfontein 78	5		
T0KP00000000007800008	Kopfontein 78	8		

T0JO0000000004000000	Matjesvallei 40	0		
T0JO0000000004120000	Moilos 412	0	Nothing found on Windeed	
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T0JO0000000005500022	Jagersfontein 55	22		Bahurutshe Boo Moiloa Community Land Claim
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T0JO00000000039900000	Drumard 399	0	Batloung Ba Ga Shole Stam Trustees	-
T0JO00000000040100000	Heathfield 401	0	Batloung Ba Ga Shole Stam Trustees	-
T0JO00000000040000000	Westwood Park 400	0	Batloung Ba Ga Shole Stam Trustees	-
T0JO0000000005500023	Jagersfontein 55	23	Bewly Landgoed cc	-
T0JO00000000037700015	Ramatlabama 377	15	Festus and Tatus Phogonyane	--
T0JO00000000037700015	Ramatlabama 377	15		-
T0JO00000000037700012	Ramatlabama 377	12	Helena and Pinas Sefako	-
T0JO00000000037700003	Ramatlabama 377	3	Jacobus and Thabea Mosenogi	-
T0JO0000000005600002	De Putten 56	2	Jeremia Jesaja and Cecilia Petronella Bezuidenhout	-
T0JO0000000005600003	De Putten 56	3	Juliet Elna Miller	-
T0JO0000000005600010	De Putten 56	10	Juliet Elna Scott	-

T0JO00000000037700013	Ramatlabama 377	13	Kurutu William Mokolobate	-
T0JO00000000037700014	Ramatlabama 377	14	Manassi Shole	-
T0JO0000000005500006	Jagersfontein 55	6	Mogomotsi Simon and Manphai Elizabeth Mphahlele	-
T0JO00000000037700011	Ramatlabama 377	11	Nafthalie Modisane	-
T0JO0000000005600009	De Putten 56	9	Rendo Boerdery cc	24 Buiten Street
T0JO0000000005600000	De Putten 56	0	Ma Pa en Ons Trust	-
T0JO0000000005800005	Tweefontein 58	5	Stars Away Inv 88 Pty Ltd	-
T0JO0000000004100001	Willowpark 41	1		
T0JO0000000005500004	Jagersfontein 55	4	Batshweneng Communal Property Association	-
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APPENDIX 5

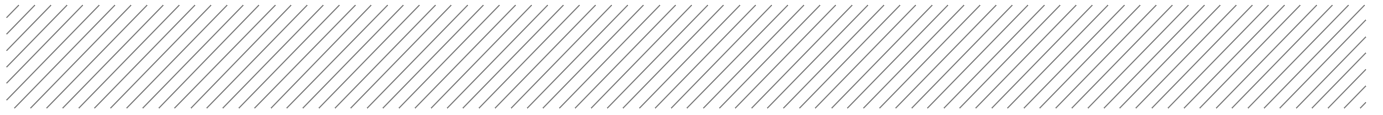
List of SGIDS

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0/128	T0KP00000000012800000	Sandbult 128
12/126	T0KP00000000012600012	Welgevonden 126
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4/126	T0KP00000000012600004	Welgevonden 126
6/34	T0JP00000000003400006	Zwartfontein 34
7/34	T0JP00000000003400007	Zwartfontein 34
0/8	T0JP00000000000800000	Huyserslaagte 8
1/35	T0JP00000000003500001	Zandfontein 35
0/940	T0KP00000000009400000	Abjaterskop 940
14/35	T0JP00000000003400014	Swartfontein 34
3/3	T0JP00000000000300003	Draailaagte 3
4/2	T0JP00000000000200004	Putfontein 2
0/132	T0KP00000000013200000	Brakfontein 132
1/2	T0JP00000000000200001	Putfontein 2
2/2	T0JP00000000000200002	Putfontein 2
7/2	T0JP00000000000200007	Putfontein 2
0/33	T0JP00000000003300000	Olifantsfontein 33
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3/33	T0JP00000000003300003	Olifantsfontein 33
1/3	T0JP00000000003000001	Draailaagte 3
2/41	T0JO00000000004100002	Willowpark 41
1/131	T0KP00000000013100001	Brakfontein 131
1/132	T0KP00000000013200001	Brakfontein 132
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0/100	T0KP00000000010000000	Slalaagte 100
1/100	T0KP00000000010000001	Slalaagte 100
14/120	T0KP00000000012000014	Droogedal 120
15/120	T0KP00000000012000015	Droogedal 120
20/120	T0KP00000000012000020	Droogedal 120
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3/78	T0KP00000000007800003	Kopfontein 78
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5/402	T0JO00000000040200005	New Park 402
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APPENDIX 6

Project Map(s)

BOSA ALIGNMENT

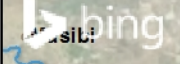
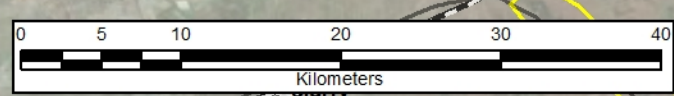


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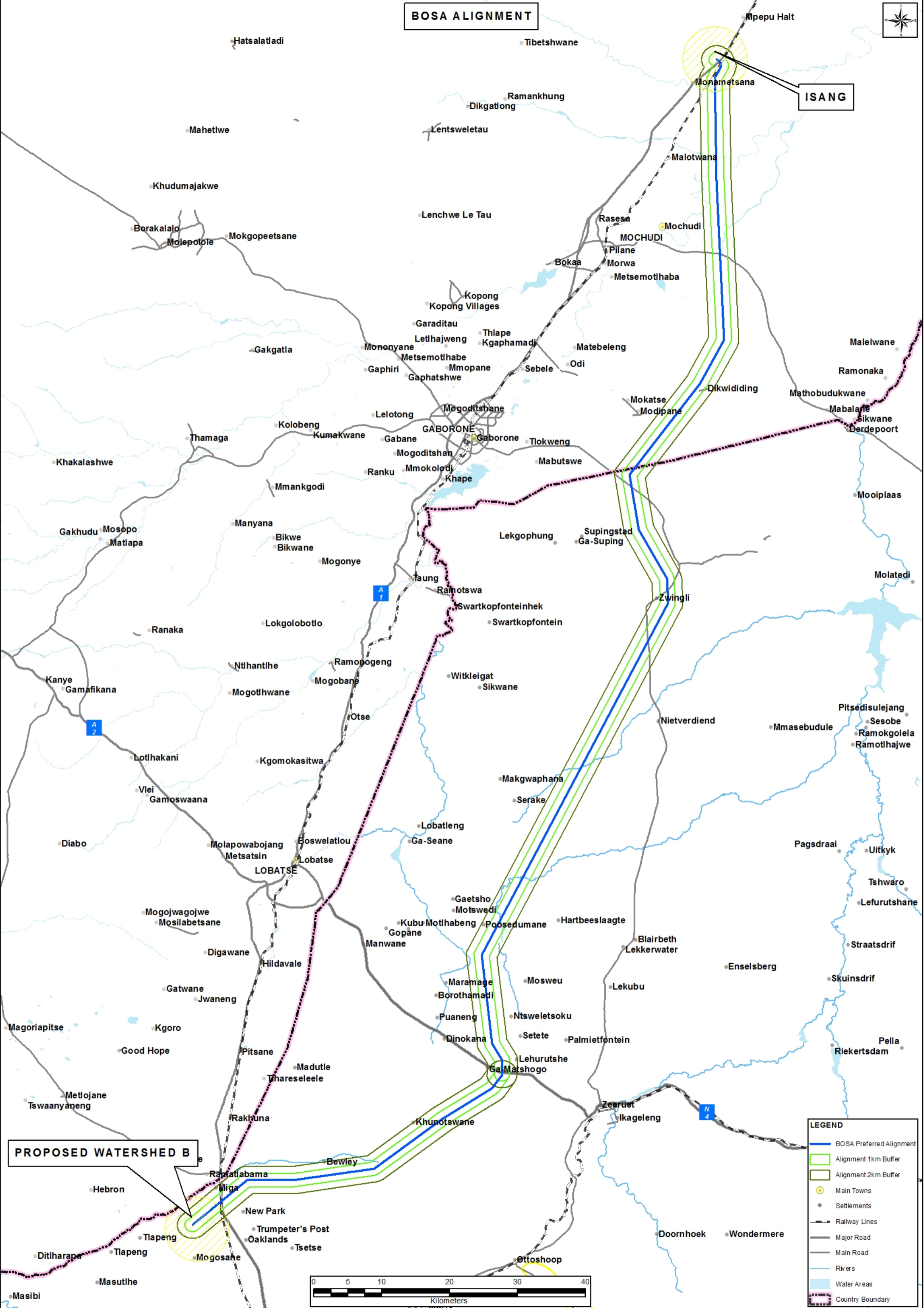
PROPOSED WATERSHED B

LEGEND

- BOSA Preferred Alignment
- Alignment 1km Buffer
- Alignment 2km Buffer
- Main Towns
- Settlements
- Railway Lines
- Major Road
- Main Road
- Rivers
- Water Areas
- Country Boundary



BOSA ALIGNMENT



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A 1

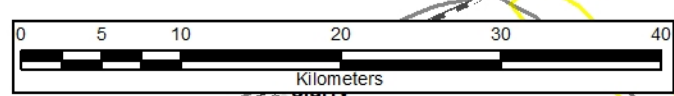
A 2

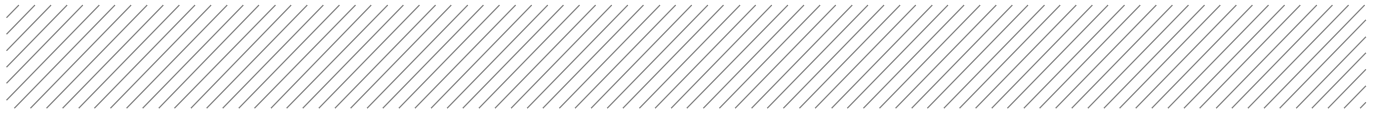
N 4

PROPOSED WATERSHED B

LEGEND

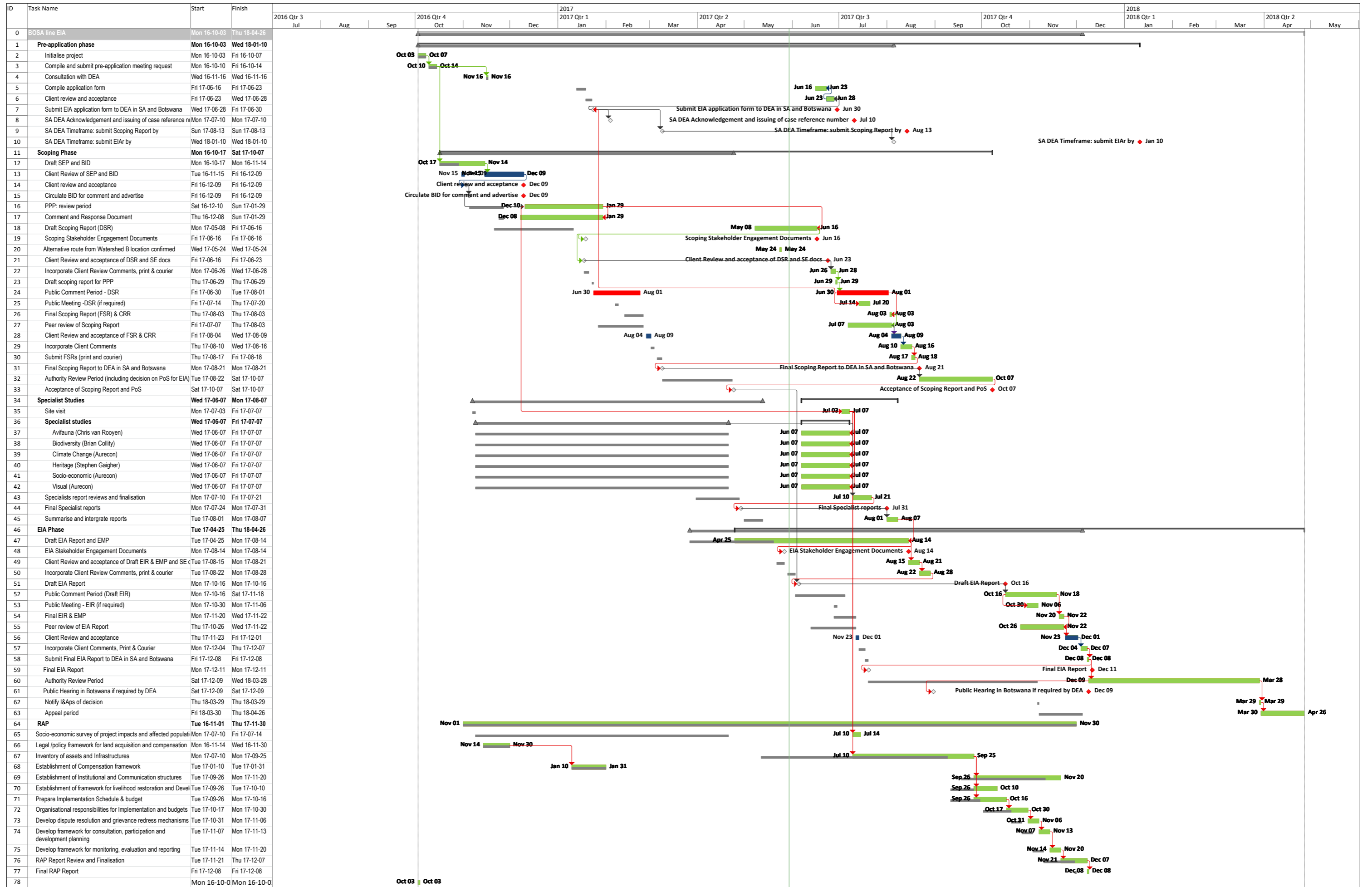
- BOSA Preferred Alignment
- Alignment 1km Buffer
- Alignment 2km Buffer
- Main Towns
- Settlements
- Railway Lines
- Major Road
- Main Road
- Rivers
- Water Areas
- Country Boundary

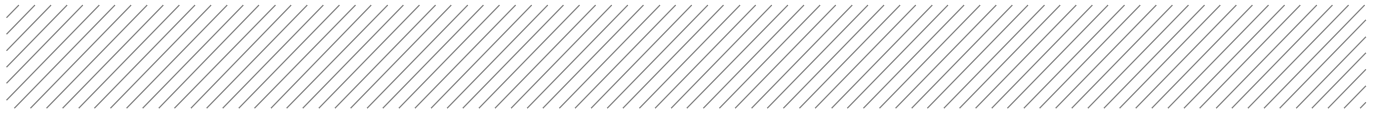




APPENDIX 7

Project Schedule





APPENDIX 8

Declaration of the Applicant

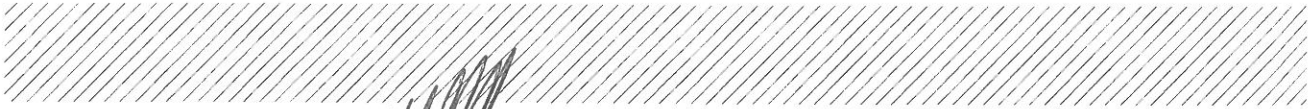
DECLARATION OF THE APPLICANT

I, DAVID TUNNCLIFF declare that I -

- am, or represent², the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner³;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
 - know the Act and the regulations, and how they apply to the proposed development
 - know any applicable guidelines
 - perform the work objectively, even if the findings do not favour the applicant
 - disclose all information which is important to the application and the proposed development
 - have expertise in conducting environmental impact assessments
 - complies with the Regulations
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

² If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

³ If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.





Signature⁴ of the applicant⁵/ Signature on behalf of the applicant:

ESKOM

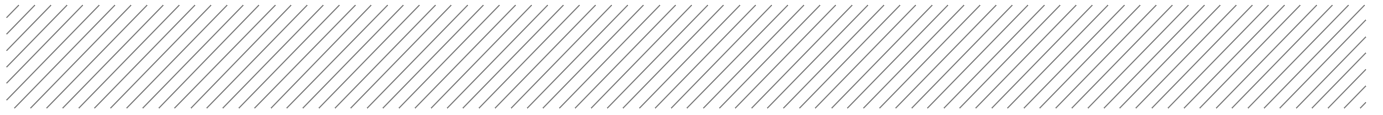
Name of company (if applicable):

27 JUNE 2017

Date:

⁴ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

⁵ If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.



APPENDIX 9

Declaration of the EAP

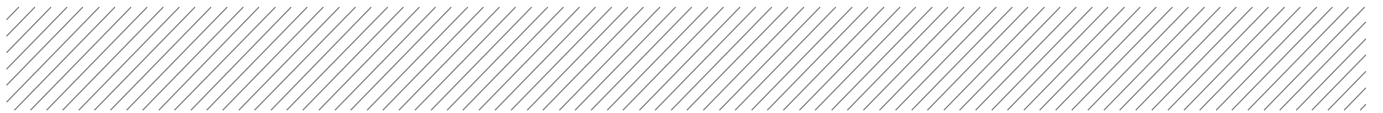


DECLARATION OF THE EAP

I, DIANE ERASMUS declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- 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 declare that there are no circumstances that may compromise my objectivity in performing such work;
- 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 take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- 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;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 48 of the Regulations and is punishable in terms of section 24F 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:

N/A _____

Signature of the environmental assessment practitioner:

AURECON SOUTH AFRICA (Pty) Ltd

Name of company:

26 JUNE 2017

Date:



APPENDIX 10

Correspondence regarding
identification of the Competent
Authority



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Chief Directorate: Integrated Environmental Authorisations

Request for pre-application meeting

The information below is required to assist the Department to process your request for a pre-application meeting. All fields are compulsory. Please note that the proposed date and time will be confirmed prior to the meeting. This form must be submitted prior to lodging an application where a pre-application meeting is required. This form must be submitted at least one (1) month prior to the lodging of an application.

Any queries related to this form may be addressed to eiaadmin@environment.gov.za

Please submit the completed signed form in one of the following ways:

(1) **Post:**

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

(2) **Hand Deliver:**

Department of Environmental Affairs
Environment House
473 Steve Biko Road
Arcadia
Pretoria

(3) **E-mail:**

EIAAdmin@environment.gov.za

APPLICANT AND EAP INFORMATION

Company Name	Eskom Holdings SOC Limited	
Applicant Name	Mr David Tunnicliff	
Postal Address	P.O.Box 1091, Johannesburg, 2000	
Telephone Number	Work: 011 800 5145	Cell: 083 633 1547
Fax Number	011 800 3917	Email: tunnicDA@eskom.co.za

EAP	Aurecon RSA	
Contact Person	Diane Erasmus	
Postal Address	Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City South Africa 7441	
Telephone Number	Work: 044 8055428	Cell: 083 3086750
Fax Number	044 8055454	Email: Diane.erasmus@aurecongroup.com

MEETING DETAILS

Purpose of the meeting request	<p>SAPP CC has initiated the Botswana - South Africa (BOSA) Transmission Interconnection Project on behalf of Eskom of South Africa and Botswana Power Corporation of Botswana. The interconnector infrastructure components consist of a 400kV transmission line of approximately 280km, connecting the existing Isang 400kV substation to the Watershed B area.</p> <p>The Applicant and EAP would like to confirm the Department's requirements in terms of the 2014 Environmental Impact Assessment (EIA) regulations in light of the fact that the project is a trans-border project and must accommodate the Botswana requirements and be undertaken in terms of the IFC Standards for funder purposes.</p>	
Applicant Category	Application by Parastatal	x
	Organ of State	
	Private Individual/Parties	
Preferred meeting date and time	Provide three suggested dates and times	
1	2016/11/14	10:00-11:30
2	2016/11/15	10:00-11:30
3	2016/11/16	10:00-11:30
Duration of the meeting	1hr	
Estimated number of people attending meeting	4-6	

Please attach a proposed agenda as **Appendix 1**. If the Applicant or EAP intends to discuss several projects in one meeting, an agenda must be drafted for each proposed project and the project details for each project.

PROJECT DETAIL

Project Description	<p>BOSA project: 400kV transmission line from proposed Watershed B area in North West Province in South Africa to the existing Isang substation in Botswana (280 km).</p> <p>The project is at concept level during the scoping phase but is envisaged to comprise potentially 2 x 220 kV lines or 1 x 400 kV line located within the 2km corridor to be assessed.</p>
Physical Address where the development will take place	<p>The Watershed B area will be located to the north east of Mahikeng. The exact route to the South African border for the line has not been determined yet as this will be informed by specialist studies still to be undertaken in the Scoping phase but a 2km corridor has been identified within which the line will be located. This corridor is indicated in Figure 1.</p>
Farm name(s)/ Erf No	To be confirmed
Local Municipality	Ramotshere Moiloa, Mahikeng, Ditsobotla, Ratlou and Tswaing local municipalities.
District Municipality	Ngaka Modiri Molema District
Reason for applying with DEA as the competent authority (in terms of Section 24C of NEMA)	Parastatal applicant, energy transmission infrastructure.

PROVIDE A DETAILED DESCRIPTION OF POTENTIALLY LISTED ACTIVITIES THAT IS OR MAY BE APPLICABLE TO THE PROJECT

Listed activity as described in GN R. 983, GN R. 984 and GN R.985	Description of project activity that may trigger the listed activity
<p>GN R.983 Item 11</p> <p>The development of facilities or infrastructure for the transmission and distribution of electricity-</p> <p>(ii) Inside urban areas or industrial complexes with a capacity of 275 kilovolts or more.</p>	<p>While the majority of the 400 kV powerline is proposed outside urban areas, it is envisaged that small sections of the powerline may traverse urban areas or industrial complexes where such areas are unavoidable.</p>
<p>GN R.983 Item 19</p> <p>The infilling or depositing of any material or more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shell grit, pebbles or rock of more than 5 cubic metres from-</p> <p>(i) a watercourse.</p>	<p>The positioning of 400 kV towers within a watercourse will be avoided as far as possible. However, due to the length of the project it is envisaged that certain towers may be located in a watercourse which will necessitate the excavation and removal of soil from the watercourse.</p>
<p>GN R.984 Item 9</p> <p>The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.</p>	<p>The majority of the proposed 400 kV powerline is routed outside an urban area or industrial complex.</p>

Listed activity as described in GN R. 983, GN R. 984 and GN R.985	Description of project activity that may trigger the listed activity
Item 4(e) and 12(a) may be triggered. Will update once sensitivity map has been completed during specialist assessments.	

ADDITIONAL INFORMATION IF ANY (ATTACH IF SEPARATE DOCUMENTS):

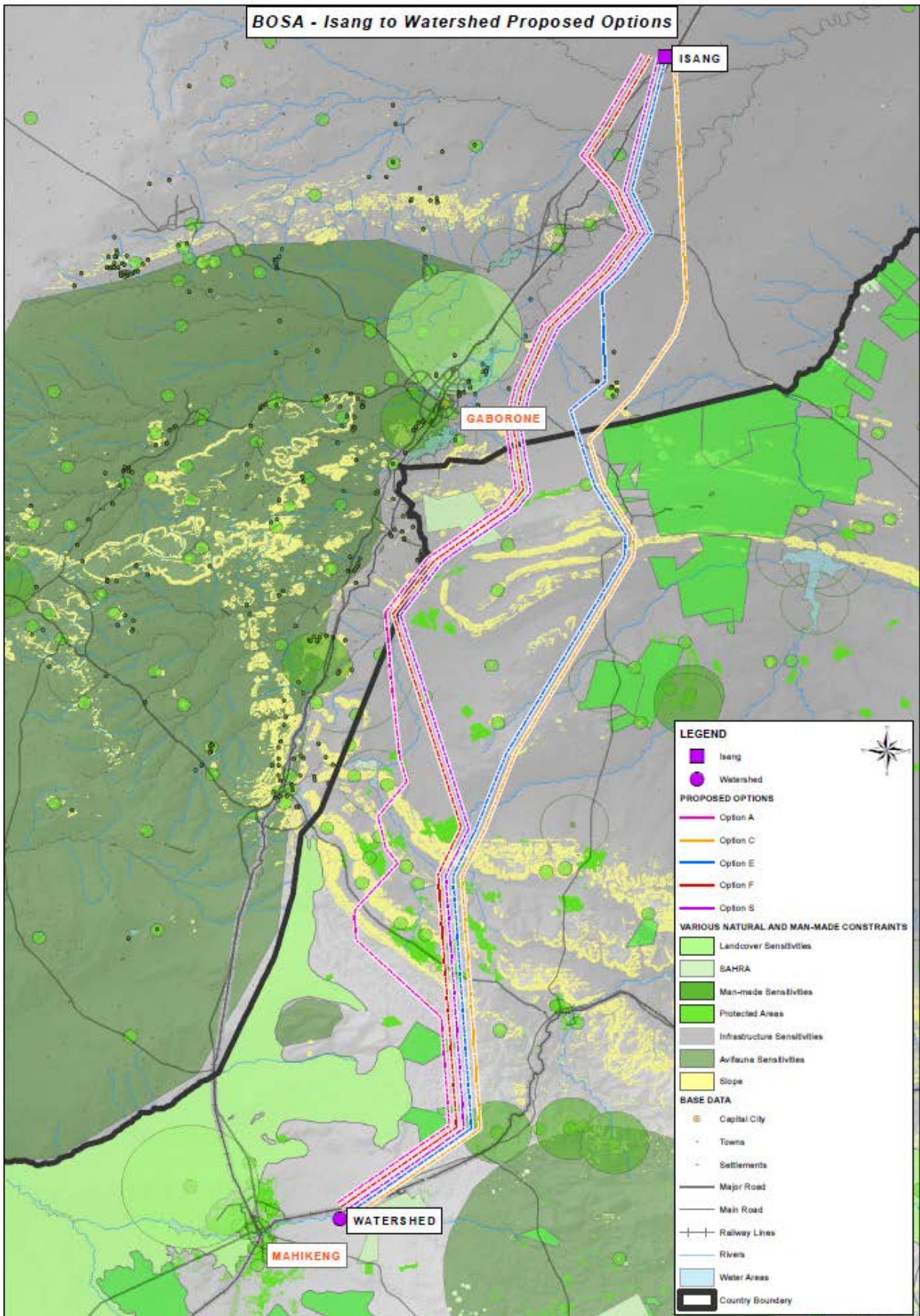


Figure 1 | Location of the route alignment of the 5 potential routes considered. For illustrative purposes the routes are indicated as running next to each other in places but actually run in the same corridor

**APPENDIX 1
PROPOSED AGENDA**

Item No	Agenda item
1.	Brief introduction and discussion presentation of the project to DEA
2.	Discussions regarding the process <ul style="list-style-type: none"> • Clarity regarding the contents of scoping report with regard to that requested under R982 Appendix 2, where items 2(h)(v), (vii),(viii), (ix) & (xi) appear to be content that belong in the impact assessment phase. It suggests that the scoping phase the EAP & specialists should comparatively assess project alternatives (sites and routings) and motivate a preferred option (Which the DEA must then approve as part of the FSR), then in the EIA phase only assesses the approved site (with footprint related alternatives (i.e. technology, layouts, etc.). • DEA's requirements in terms of the 2014 Environmental Impact Assessment (EIA) regulations in light of the fact that the project is a trans-border project and must accommodate the Botswana requirements and be undertaken in terms of the IFC Standards for funder purposes. • Which guidelines must be considered (provincial and national).
3.	Alternatives
4.	Specialist studies to be conducted
5.	Stakeholder consultation
6.	Timeframes
7.	General

**DEA PRE-APPLICATION MEETING:
BOSA PROJECT**

**DATE: 5 DECEMBER 2016
TIME: 13:00 – 14:30**



*Bringing ideas
to life*

NAME	COMPANY	CONTACT NUMBER	EMAIL ADDRESS
CANDICE DÜRE	AURECON	012 427 2235	Candice.Dure@aurecongroup.com
Dore Garmus	"	044 8733348	dore-garmus@aurecongroup.com
NIGEL WATSON	AURECON	08449 0142	nigel.watson@aurecongroup.com
Fiona Grimmett	DEA	012 399 9393	fgrimmett@environment.gov.za
Smediswa Dlamini	DEA: IEA	012 399 9390	sdlamini@environment.gov.za
NJIKO MKESI	DEA: IEA	012 399 9392	njkosi@environment.gov.za
SEBENZILE VILAKAZI	ESKOM	082 8858114	VILAKAZI@ESKOM.CO.ZA
Wendy Mlotshwa	Aurecon	012 427 2490	wendy.mlotshwa@aurecongroup.com

Meeting Record

Project number	112581	Meeting date	5 December 2016
Project name	Botswana South Africa (BOSA) Transmission Interconnection Project	Recorded by	WM
Meeting/subject	Pre-Application Meeting	Total pages	4

Present	Apology	Copy	Name	Organisation	Contact details
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fiona Grimett	DEA (SA)	(+27) 12 399 9393
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sindiswa Dlomo	DEA:IEA (SA)	(+27) 12 399 9390-
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nyiko Nkosi	DEA:IEA (SA)	(+27) 12 399 9392
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sebenzile Vilakazi	Eskom SOC Ltd	(+27) 82 885 8114
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nomasonto Mnisi	SAPP	(+27) 77 30579497
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nigel Waters	Aurecon SA (Pty) Ltd	(+27) 82 449 0142
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Diane Erasmus	Aurecon SA (Pty) Ltd	(+27) 44 873 3348
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Amelia Visagie	Aurecon SA (Pty) Ltd	(+27) 12 4273149
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Candice Durr	Aurecon SA (Pty) Ltd	(+27) 12 427 2235
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wendy Mlotshwa	Aurecon SA (Pty) Ltd	(+27) 12 427 2490
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Richard Arthey	RPM	(+267) 72305570

Item	Topic	Action by	Action due
1	Introductions:		
2	<p>Project Background:</p> <ul style="list-style-type: none"> <u>Proposed project:</u> 210 km of 400 kV transmission line from South Africa to Botswana; 2 lines up to 60 m apart. <u>Location and/or extent:</u> Link between Isang substation near Gaborone (Botswana) and Watershed B near Mafikeng (South Africa). The application is for a 1 km wide corridor to allow for micro deviations. <u>Project proponent:</u> SAPP Project sponsored by Development Bank of South Africa (DBSA) - Eskom will own line in South Africa and the Botswana Power Corporation (BPC) the line in Botswana 		

Item	Topic	Action by	Action due
3	<p>Progress to date:</p> <ul style="list-style-type: none"> • Route selection process was undertaken in the pre-feasibility stage with the inputs from the engineers, Eskom, EAPs and relevant specialists to assist with the route selection and identification of potential fatal flaws. • This process was undertaken by a multi-disciplinary team of Eskom, BPC, engineers, social and environmental specialists. • A total of 19 routes were identified, based on a GIS information detailing challenges for a transmission route . • All the alternatives were scored based on the criteria that were developed by the project team. • Out of the 19, only 5 potentially viable alignments were selected and after further screening 3 feasible options were selected – which were all preferred by all the disciplines. • A Multi-Criteria Decision Making (MCDM) process was undertaken to assess the 5 corridor alignments. • The 3 feasible options are <u>E, S and C.</u> • Route C was the most preferred of all 3 alternatives, especially as it avoids a lot of subsistence farming in the Botswana. 		
4	<p>Stakeholder engagement:</p> <ul style="list-style-type: none"> • 3 rounds of public consultation (PPP) will be undertaken in order to meet the requirements of the IFC and Botswana and South Africa legislation: <ol style="list-style-type: none"> (1) Initial notification of the project before the Draft Scoping PPP – this includes circulation of notification letters and a BID and placing site notices. <p>In terms of Botswana process, PPP is required to hold public meeting right at the beginning of the process prior to release of the Draft Scoping Report, and comments received are then incorporated into the Scoping Report, while in South Africa, PPP is mandatory with release of the Draft Scoping Report. The proposed approach will ensure that the SA process is aligned with the Botswana requirements.</p> <ol style="list-style-type: none"> (2) PPP for the DSR in both South Africa and Botswana. (3) PPP during the EIA process in both South Africa and Botswana. 	Aurecon	
5	<p>Relevant Guidelines:</p> <ul style="list-style-type: none"> • DEA wants to see that the DEA Guidelines have been considered (i.e. PPP guideline) and the project complies with IFC Performance Standards. 	Aurecon	

Item	Topic	Action by	Action due
6	<p>Authority coordination:</p> <ul style="list-style-type: none"> DEA SA will investigate options for coordination of commenting on the projects with DEA (Botswana) at a strategic level to ensure that a streamlined and efficient process can be followed in terms of the ESIA process, roles and responsibilities of both parties and timeframes. DEA Botswana will be the commenting authority on the South African EIA process 	DEA (SA)	9 Dec 2016
7	<p>Environmental Consultants:</p> <ul style="list-style-type: none"> Aurecon is handling the South African EIA process and the overall ESIA in terms of the IFC requirements. Aurecon is also working together with a Botswana consultant (Richard Arthey from RPM) on the Botswana EIA process – to ensure the process the timeframes are aligned as much as possible and to meet the requirements for a registered consultant in Botswana RPM will be presenting the project to the DEA (Botswana) as Aurecon has to DEA (SA). 	Aurecon and RMP	
8	<p>Assessment of the Alternatives</p> <ul style="list-style-type: none"> As robust assessment of the alternatives has been done as part of the feasibility stage work, and the choice of preferred alternative can be defended and on reported on in the Scoping Report, the preferred route corridor only will be assessed in detail against the no-go alternative in the assessment phase. 		
9	<p>Listed activities:</p> <ul style="list-style-type: none"> The listed activities identified might change depending on the specialist findings i.e. if CBAs or sensitive areas are identified – LN 3 might be triggered and the listed activities applied for will then be updated. Listed activities can also be amended during the scoping phase i.e. if DEA identifies new activities during the review period. GNR 983, Activity 12 must be included in the list of activities (for construction within 32 m of watercourse). 	Aurecon	

Item	Topic	Action by	Action due
10	<p>Database:</p> <ul style="list-style-type: none"> • Include Affected Local and District Municipalities • Include Transnet, SANRAL, ESKOM • Include SAHRA, DAFF, DoE, DMR, DWS, DEA Provincial bodies • DEA suggested Department of Rural Development and Land Reform (DRDLR) be included in the database. • Aurecon must investigate if there are any land claims on the affected properties- this information is available from DRDLR and Local Municipalities. 	Aurecon	
11	<p>Reporting</p> <ul style="list-style-type: none"> • The Scoping Report must distinguish SA and Botswana relevant information so as not to confuse the public or authorities and to ensure that the relevant activities and conditions for each country are clear. The way the report will present information will be discussed with DEA (SA) to ensure that this meets their requirements, while ensuring the project is dealt with in an integrated manner as one overall project. • The specialists' recommendations/ mitigations must separate measures applicable to SA and Botswana. This must be included in their Terms of Reference. 	Aurecon	
12	<p>Way forward:</p> <ul style="list-style-type: none"> • Specialists are currently doing the baseline work for the DSR, and will later on undertake the assessments for the EIA phase. • The DSR will be submitted towards the end of January 2017 	Aurecon	
13	<p>Closing</p> <p>Aurecon would like to thank DEA for the level of discussion and support provided by DEA (SA) to the project at the meeting. Aurecon commits to working together with DEA (SA) to reduce the potential for delays and issues in the project.</p>		