

# Registration & comment form

Please complete this Registration and Comment Form in full by 15 July 2007 and return to:



Ms Nicolene Venter or Marti Mooman at Afrosearch  
PO Box 13540, HATFIELD, 0028  
Phone: (012) 362 2908  
E-mail: lafrica@icon.co.za or marti@afrosearch.co.za  
Fax : (012) 362 2463



## PERSONAL DETAILS:

Title: Mrs Initials: S.P. Surname: MOKOETHA  
Organisation/ Firm (if applicable): \_\_\_\_\_  
Position/ Nature of involvement (e.g. property owner): HEAD COMMUNITY SERVICES  
Street address: TUBATSE TSHIP PRAKTISEER  
Postal address: P.O  
Tel and area code: (Work) 013214726579 (Home) 0122161484  
(Cell) 0824631544 (Fax) 0132317467  
(E-mail) \_\_\_\_\_

## QUESTIONS/COMMENTS:

1. What is your main interest with regards to this proposed project (e.g. soil erosion / noise during construction, etc)?

IN GENERAL, HEALTH HAZARDS - CONTAMINATION OF WATER, flow of used water, etc where

2. What comments / concerns would you like to raise at this stage of the proposed project? (Please use additional pages, if required)

Participation of whole Ward Councilors or whole council in this process. For the purpose of information dissemination. INCLUDING MASHOSH,

## PLEASE REGISTER THE FOLLOWING PERSON(S) ON THE PROJECT DATABASE:

Name: ESTHER MASHOSH Organisation: DEPT. OF HEALTH  
Address: SEKHUKHUNE DISTRICT HEALTH SERVICE  
Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ Cell: 0784608422  
E-mail: \_\_\_\_\_

If you wish not to receive any further information regarding this proposed project, and prefer to be removed from the project's database, please sign below and return the form to the public participation consultants who's contact details are provided above.

YES, please remove my contact details from the project database. SIGNATURE: \_\_\_\_\_

This assessment is being conducted on behalf of Eskom (Sien keersy vir Afrikaans)

\* Will it be able to  
Address the massive  
GROWTH OF

UBAISE MUNIC.

\* What is the position  
from Eskom. Those who  
build under the power  
lines?

SV: Answer in minutes: build ph  
relocate people. Encroachment of urban  
settlement. Eskom private awareness  
mae = build new dwelling.



Afrosearch (Pty) Ltd  
P O Box 13540  
Hatfield 0028  
Tel (012) 362 2908  
Fax (012) 362 2463

Clr SP Mokoena  
Head: Community Services  
Greater Tubatse Municipality  
PO Box 206  
BURGERSFORT  
1150

7 August 2007

Dear Clr Mokoena

**ENVIRONMENTAL IMPACT ASSESSMENT: PROPOSED STEELPOORT INTEGRATION PROJECT:  
LIMPOPO PROVINCE**

Thank you for your Registration and Comment form received after the Focus Group Meeting held with Councillors, Directors and Managers of the Greater Tubatse Municipality on Wednesday, 27 June 2007 regarding the above-mentioned project.

We would like to confirm that the following points were raised:

1. Your main interest regarding this proposed project is the general health hazards in terms of contaminated water, and where and how will this water be released or dealt with.

It is envisaged that there will be no contaminated water related to the proposed Steelpoort Substation, but this concern will be forwarded to the environmental specialist to assess during the environmental impact phase, should contaminated water be identified as an environmental impact.

2. It is requested that all Ward Councillors or all Greater Tubatse Councillors be part of the participation process to ensure that they are fully informed regarding this proposed project to enable them to disseminate the information to their constituencies (including Makgoshi).

Information will be requested from the Greater Tubatse Municipality for the contact details of all the Councillors and the project's background information document will be forwarded to them.

3. It is requested that the public participation team register Ms Esther Mashishi on the project database. For confirmation, her contact details are:

Department of Health  
Sekhukhune District Health Services  
Private Bag X8611  
GROBLERSDAL  
0470  
Cellular no.: 078 460 8433

The following handwritten questions were also submitted to the public participation consultant:

1. Will the proposed Steelpoort Integration project address the massive growth of the Tubatse Municipality?

The purpose of the propose Steelpoort Integration project is to link the power generated by the proposed Steelpoort Pump Storage Scheme (SPSS) (EIA being undertaken by Bohlweki Environmental – tel. 011 798 6001) into Eskom's transmission network. The transferring of electricity from the proposed Steelpoort Substation to Eskom's existing Merensky Substation (Steelpoort) will strengthen the electricity supply in the Steelpoort area.

2. What is the position from Eskom regarding those who build under the power lines?

We received the following response from Mr Sebenzile Vilakazi, Eskom:

Should there be no alternative for Eskom to deviate the proposed transmission power line to avoid a house or structure, Eskom will discuss the relocation of that household. Encroachment of informal settlements onto Eskom's servitude is a concern for Eskom.

Afrosearch would like to inform you that all comments received regarding the proposed Steelpoort Integration project will be captured in the draft Environmental Scoping Report (ESR). The draft ESR will be made available for public review and you will be notified of the availability of the report in writing.

Please accept herewith our appreciation for participating in the EIA process and being part of the public participation process for this proposed project.

Kind regards



NICOLENE VENTER  
PUBLIC PARTICIPATION CONSULTANT  
STEELPOORT INTEGRATION PROJECT



**DRAFT MINUTES OF FOCUS GROUP  
MEETING**

**GREATER TUBATSE MUNICIPALITY**

**HELD ON**

**WEDNESDAY 27 JUNE 2007**

**PROPOSED STEELPOORT  
INTEGRATION PROJECT**

Afrosearch (Pty) Ltd

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Hatfield, 0028

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Prepared by:

Afrosearch

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### APPENDIXES

**Appendix A: Presentation material**

**Appendix B: Attendance Register**

### YOUR COMMENTS ON THE DRAFT MINUTES

Your comments on this draft Minutes will be appreciated. In particular, we request you to verify that your comments during the meeting have been minuted correctly. Please address your comments, in writing, to Nicolene Venter at the address given on the cover page by not later than **14 July 2007**.

# **DRAFT MINUTES**

## **FOCUS GROUP MEETING**

### **GREATER TUBATSE MUNICIPALITY**

**Venue:** Greater Tubatse Municipal Offices, Burgersfort

**Date:** Wednesday, 27 June 2007

**Time:** 10:00

#### **1: WELCOME, INTRODUCTION AND APOLOGIES**

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Ms Nicolene Venter submitted the draft Agenda to the attendees and requested whether the draft Agenda could be accepted as the formal Agenda for the meeting. Consensus was reached by the attendees.

Mr Hlamaleni Mohlaba, Acting Director: Technical Services welcomed all present and handed over to the project team to present the proposed Steelpoort Integration project to the Councillors and Directors present.

Mr Michael Mashigo, Manager: Strategic Planning Department, Greater Tubatse Municipality (GTM) introduced the Councillors, Directors and Managers of the GTM to the project team. Mr Mashigo also submitted apologies on behalf of Mr Malepeng, the Municipal Manager of the GTM.

Ms Nicolene Venter introduced herself as the public participation consultant for the project and thanked the Councillors for their attendance. She introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Snr Environmental Advisor, Transmission Land and Rights, Eskom;
- Mr Simon Mkhathswa, Snr Engineer, System Planning Eskom; and
- Ms Nonka Byker, Social Impact Specialist, MasterQ Research

#### **2: PURPOSE OF THE MEETING**

---

Ms Venter informed the attendees that an EIA for the proposed Steelpoort Integration Project was currently being undertaken. She explained that an EIA consists of two phases, i.e. the environmental scoping phase and the environmental impact assessment phase.

---

This proposed project is currently in the environmental scoping phase. She explained that this phase can be a frustrating phase for stakeholders and interested and/or affected parties (I&APs) as the team might, at this stage, not have answers to some of the questions that might be raised by the GTM.

The purpose of the meeting is to:

- Provide the GTM with information regarding the proposed project
- Request the GTM's participation
- Record comments, issues and concerns raised at the meeting regarding the proposed project

Ms Venter informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from the GTM to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

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Mr Simon Mkhathshwa informed the attendees that the power that will be generated by the proposed Steelpoort Pump Storage Scheme (SPSS) needs to be fed into Eskom national transmission grid. To be able to feed the power generated by the proposed SPSS, Eskom is proposing to:

- Establish a 400kV HV yard at the proposed Steelpoort Substation;
- Construct 4x400kV transformer bays for the generator transformers at the proposed Steelpoort Substation;
- Construct 4x400kV feeder bays: 3 at the proposed Steelpoort Substation and 1 at Merensky Substation;
- Construct 2 transmission lines to loop in and out of the Duvha-Leseding 400kV transmission line into the proposed Steelpoort PSS; and
- Construct a 400kV transmission line between the Steelpoort and Merensky substations.

The detailed information and graphics presented by Mr Mkhathshwa are included within Appendix A.

## **4: EIA AND PUBLIC PARTICIPATION PROCESSES**

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Ms Nicolene Venter provided the attendees with a brief overview of the EIA and public participation processes that will be followed for this proposed project. The presentation material is included within Appendix A.

## **5: DISCUSSION SESSION**

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### **5.1 General Comments / Concerns**

- *Mr Michael Mashigo, Manager: Strategic Planning Department* asked where the public participation office is located.  
*Ms Venter* replied that the public participation office is based in Pretoria.
- *Mr Michael Mashigo* enquired what the total amount budgeted for by Eskom is for this proposed project.  
*Mr Vilakazi* replied that the information is currently not available to the project team and that once the information becomes available, it will be forwarded to *Mr Mashigo*.  
*Mr Vilakazi* informed the attendees that an overall budget of R150 billion is allocated to strengthen the electricity network in South Africa, and that this project is one of a number of the projects that must share these funds. The attendees were informed that the cost of constructing a transmission power line is approximately R1 million per kilometre.

### **5.2 Route Alignment comments / concerns**

- *Mr Michael Mashigo, Manager: Strategic Planning Department, Greater Tubatse Municipality* enquired what the purpose is of two proposed route alignments.  
*Ms Venter* informed the attendees that any EIA being undertaken needs to include at least two feasible alternatives when submitting an EIA application. In general, during the environmental scoping phase, a preferred (or two preferred) alternatives are identified from an environmental point of view and that is technically feasible. The preferred alternative/s will be considered in detail in the EIA phase in order to determine environmental feasibility.

### **5.3 Social Impacts**

- *Mr Michael Mashigo* enquired as to how many people will be employed during construction and during the operational phase of this proposed project.  
*Mr Vilakazi* replied that a response to this question is not available at this stage. Once the information becomes available, which may be during the impact phase, it will be forwarded to Mr Mashigo.
- *Mr Chwamotse Molopo, EXCO Member: Finance* enquired how will the community(ties) benefit from this project.  
*Ms Nonka Byker* replied that a reply cannot be provided at this stage. Once the social impact assessment commences, then a response will be forwarded reflecting the direct and/or indirect job opportunities and other benefits related to this proposed project.

### **5.4 Construction comments / concerns**

- *Mr Hlamaleni Mohlaba, Acting Director: Technical Services* enquired when construction will start.  
*Mr Vilakazi* replied that it is envisaged that the EIA process will be completed by mid 2008. A 10 – 12 month negotiation period is allocated for the negotiators to secure the required servitudes. Should DEAT issue a positive Environmental Authorisation, then it is envisaged that construction will commence in 2009. This project must be in operation by 2014.

### **5.5 Steelpoort Pumped Storage Scheme**

- *Mr Chwamotse Molopo, EXCO Member: Finance* asked what prompted the SPSS project.  
*Mr Vilakazi* informed the attendees that Eskom is looking at alternative methods of generating electricity so as not to rely only on coal fired power stations. One such alternative is using hydro energy. The proposed SPSS will be in close proximity to the De Hoop Dam and will use hydro energy to generate electricity.
- *Mr Molopo* enquired where the water will be sourced from for the SPSS project.  
*Mr Vilakazi* informed the attendees that the SPSS's water supply will be obtained from the De Hoop Dam.  
*Ms Venter* informed Mr Molopo that his question will be forwarded to Bohlweki Environmental, the environmental consultants undertaking the EIA for the proposed SPSS project.

*Mr Vilakazi* informed the attendees that the proposed SPSS project is in the final approval stage of the EIA and that the final Environmental Impact Assessment Report has already been submitted to DEAT for authorisation. The EIA project documents can be viewed from the Eskom website.

- *Mr Michael Mashigo* enquired what processes are in place to deal with possible contaminated water.

*Mr Mkhathwa* replied that two dams, a lower and upper, will be constructed for the SPSS project and that the water will be pumped from the lower dam to the upper dam. The water will then be released from the upper dam and the force with which the water will flow to the lower dam is of such force that it will turn the turbines, which in turn will generate power.

*Ms Venter* informed Mr Molopo that his question will be forwarded to Bohlweki Environmental.

## 5.6 Communication

- *Mr Molopo* informed the public participation consultant that information regarding this proposed project as well as any future communication (e.g. notification of public meeting), should be done not only through community radio stations but also through regional radio stations.

*Ms Venter* acknowledged the suggestion and replied that should there be a cost implication, the utilisation of community and regional radio stations will be forwarded to the project team for decision making.

- *Mr Molopo* raised his concern that the A5 flyers that were distributed were mainly in English and that the community members might not understand the messages contained in the flyer.

*Ms Venter* acknowledged the concern and informed the attendees that an executive summary of the project's Background Information Document (BID) is translated into Northern Sotho and is available on request. The attendees were also informed that Mr Moses Mahlangu from Afrosearch will consult the various community leaders and Tribal Authorities within the study area. The executive summary will be distributed during this consultation process.

- *Mr Wessel van Tonder, Manager: Corporate Services* enquired whether the other municipal authorities will also be consulted.

*Ms Venter* replied that the other municipal authorities identified for this proposed project are the Elias Motsaledi Municipality, Makhuduthamaga Municipality and the Greater Sekhukhune District Municipality, and that they will be consulted.

- *Mr Vilakazi (Eskom)* requested a copy of the GTM's latest IDP.  
*Mr Mashigo* informed the project team that he will provide them with a copy of the GTM's IDP which was completed May 2007, and covers the period 2007 to 2011.

## **6: WAY FORWARD AND CLOSURE**

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Ms Venter thanked everybody for their participation and questions. The attendees were informed that the next steps after the meeting are:

- distribution of the draft minutes of the meeting. Attendees were requested to please read through the minutes and to provide any feedback in writing to the public participation office;
- notification of the public meeting; and
- hold the public meeting, envisaged in August 2007.

The meeting was closed at 11h30.

**APPENDIX A:  
PRESENTATION MATERIAL**

**STEELPOORT INTEGRATION PROJECT  
LIMPOPO PROVINCE**

**PUBLIC PARTICIPATION PROCESS**

**Focus Group Meeting**

Grater Tubatse Municipality

WEDNESDAY, 27 JUNE 2007



**Agenda**

- Welcome, introduction and apologies
- Purpose of the meeting
- Background and technical aspects regarding the proposed Steelpoort Integration Project
- EIA and Public participation process
- Discussion session
- The way forward and closure



## Purpose of Today's Meeting

- Provide I&APs with information regarding the proposed project
- Request your participation
- To record comments, issues and concerns raised

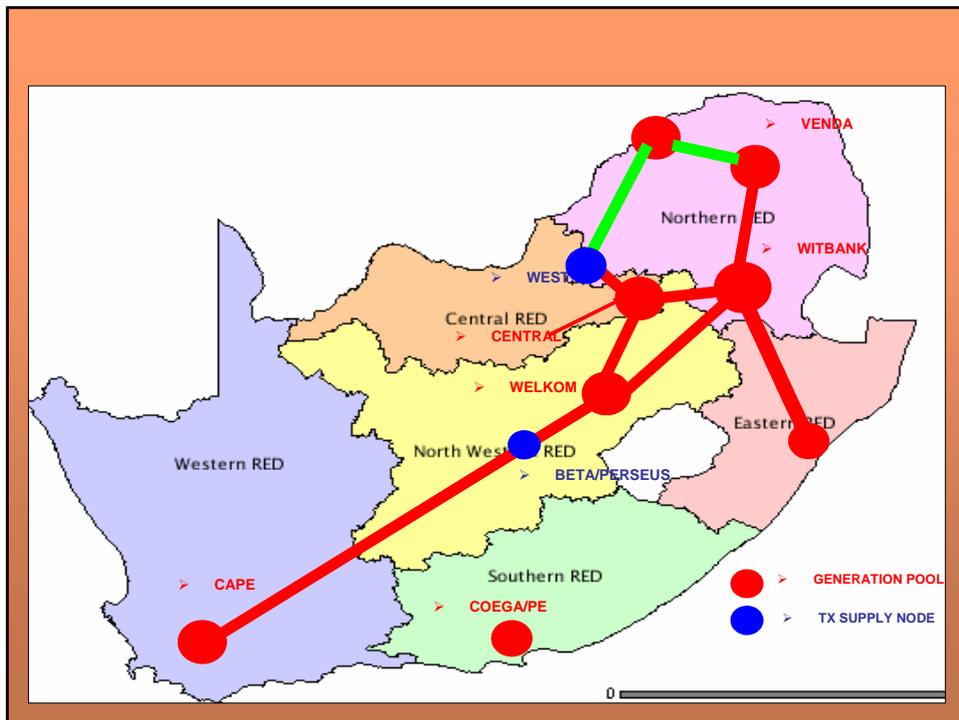


## Background and technical aspects regarding the proposed Steelpoort Integration Project

presented by

**Simon Vusumuzi Mkhathshwa –  
Eskom Transmission**

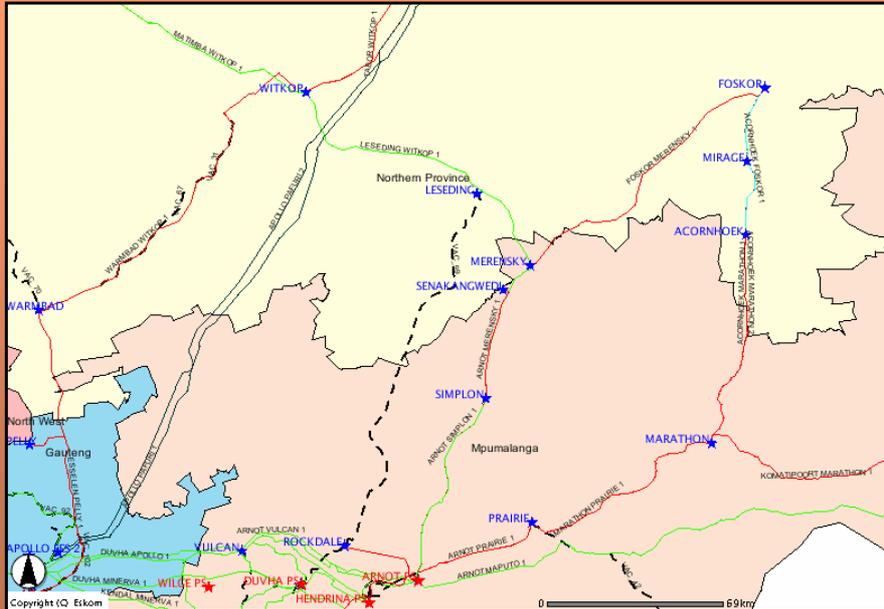




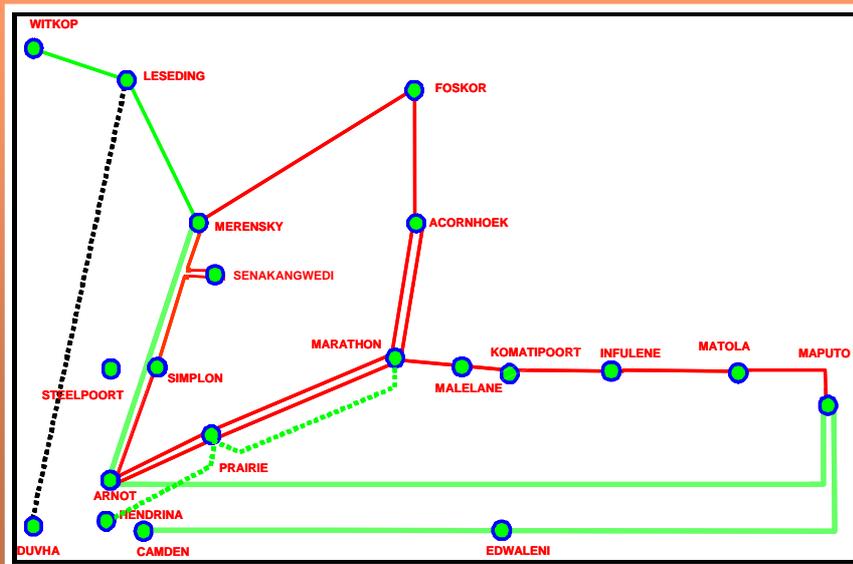
## PROJECT OVERVIEW

- Different energy sources
- Address reliability of supply
- Reduce operational costs
- Put generation close to load centres
- Close to where the energy sources are
- Adhere to the requirements by NERSA
- Look at technical and cost effective solution to integrate the Power Station

# GEOGRAPHICAL DIAGRAM



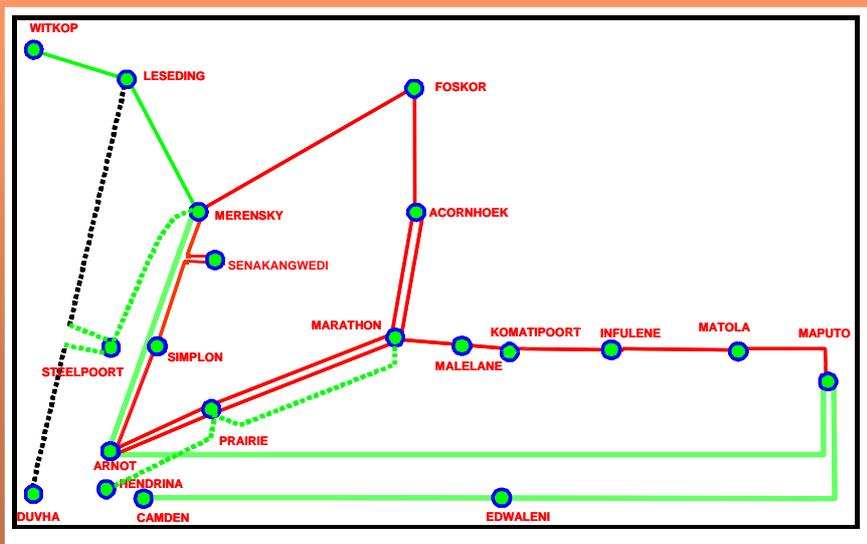
# GEOGRAPHICAL DIAGRAM



## PROJECT BACKGROUND

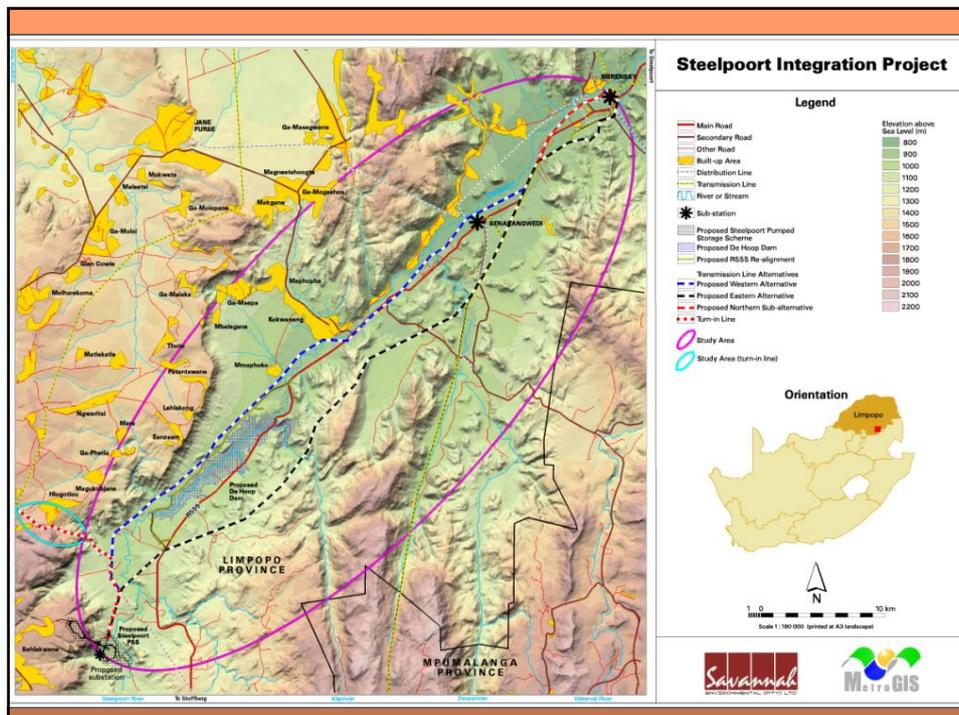
- **Steelpoort PSS Location**
  - Situated NW of Simplon substation
  - 50km from Merensky Substation, 40km from the Duvha-Leseding 400kV line
  - In the North East Grid close to the border of Mpumalanga & Limpopo Provinces
  - Lies between the new Duvha-Leseding & Arnot-Merensky 400kV lines
- **Number of units**
  - It will be a 4x380MW station
  - It will be 11/400kV station

## LOOP IN AND OUT DUVHA LESEDING 400kV LINE INTO STEELPOORT



## SCOPE OF WORK

- Establish a 400kV HV yard at proposed Steelpoort Substation
- Build 4x400kV transformer bays for the generator transformers
- Build 4x400kV feeder bays, 3 at Steelpoort and 1 at Merensky
- Build 2x ~40km loop in and out of Duvha-Leseding 400kV line into Steelpoort PSS
- Build ~50km proposed Steelpoort-Merensky 400kV line



# EIA PROCESS



## EIA Process

(In terms of NEMA):



## EIA Process

### Legal requirement:

- EIA regulations published – Section 24(5) of NEMA No 107 of 1998
- Government Notice R386 and R387 (21 April 2006)
- Environmental authorisation required from DEAT
- Environmental authorisation in consultation with Limpopo Province Dept of Environment

## EIA Process (continued)

### 7 Listed activities

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Description of each listed activity:
Government Notice R387 (21 April 2006)	1(l)	The construction of facilities or infrastructure, including associated structures or infrastructure, for the transmission and distribution of above ground electricity with a capacity of 120 kilovolts or more
Government Notice R386 (21 April 2006)	12	The transformation or removal of indigenous vegetation of 3 hectares or more or of any size where the transformation or removal would occur within a critically endangered or an endangered ecosystem listed in terms of section 52 of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
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Government Notice R386 (21 April 2006)	14	The construction of masts of any material of type and of any height, including those used for telecommunications broadcasting and radio transmission, but excluding (a) masts of 15m and lower exclusively used by (i) radio amateurs; or (ii) for lightening purposes (b) flagpoles; and (c) lightening conductor poles
Government Notice R386 (21 April 2006)	15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.
Government Notice R386 (21 April 2006)	16(a)	The transformation of undeveloped, vacant or derelict land to residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 hectare.

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
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Government Notice R386 (21 April 2006)	7	The above ground storage of a dangerous good, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic metres but less than 1 000 cubic metres at any one location or site.
Government Notice R386 (21 April 2006)	1 (m)	The construction of facilities or infrastructure, including associated structures or infrastructure, for any purpose in the one in ten year flood line of a river or stream, or within 32 m from the bank of a river or stream where the flood line is unknown, excluding purposes associated with existing residential use, but including - (i) canals; (ii) channels; (iii) bridges; (iv) dams; and (v) weirs

## Environmental Scoping Phase

### Purpose of scoping:

- Consult with interested and/or affected parties (I&APs) through the public participation process
- Identify issues and potential impacts requiring further investigation
- Define scope of the EIA



## Environmental Scoping Phase (continued)

### Environmental studies to be undertaken include:

- Ecology, fauna & flora
- Avifauna (birds)
- Soils & agricultural potential
- Heritage impacts
- Visual quality and aesthetics
- Topography, hydrology, groundwater, climate and pollution
- Social environments



# Public Participation Process



## Public Participation Process

Notification of process



Identification of and consultation with I&APs



Focus group meetings



Public meeting to involve I&APs



Draft environmental scoping report for public review



## How to participate

- Respond to invitations (advert / meetings)
- Complete and submit registration & comment form
- Contact the public participation office
- Review draft scoping report



## DISCUSSION SESSION



## The Way Forward (scoping phase)

	2007				
	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER (onwards)
Focus group meetings	✓	✓			
Key stakeholder workshop		✓			
Public meeting			✓		
Draft ESR (public review)			✓	✓	
Final ESR & plan of study for EIA - authorities					✓



# THANK YOU



**APPENDIX B:  
ATTENDANCE REGISTER**

Title	First Name	Last Name	Position	Company
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**GREATER TUBATSE MUNICIPALITY: WEDNESDAY, 27 JUNE 2007 AT 10:00**

**Greater Tubatse Municipality**

Clr	Suzan	Mokoena	Head: Community Services	Greater Tubatse Municipality
Mr	Michael	Mashigo	Manager: Strategic Planning	Greater Tubatse Municipality
Mr	Wessel	Van Tonder	Manager: Corporate Services	Greater Tubatse Municipality
Clr	MM	Maloma	Ward Councillor	Greater Tubatse Municipality
Mr	PN	Malekana	Manager: Mayor's Office	Greater Tubatse Municipality
Mr	Stephen	Mphugo	Manager: Public Participation	Greater Tubatse Municipality
Mr	Thabiso	Mokoena	Acting Head: Communication	Greater Tubatse Municipality
Mr	D	Mkhasi	Manager: Office of the Municipal Manager	Greater Tubatse Municipality
Mr	DK	Boshogo	Director	Greater Tubatse Municipality
Mr	Chwamotse	Molopo	EXCO Member: Finance	Greater Tubatse Municipality
Mr	Makondelele	Nekhavhambe	Municipal Engineer	Greater Tubatse Municipality
Mr	Hlamalani	Mhlaba	Acting Director: Finance	Greater Tubatse Municipality
Mr	Machuene	Manamela	Chairperson: Technical Services	Greater Tubatse Municipality

**Apologies**

Mr		Malepeng	Municipal Manager	Greater Tubatse Municipality
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**Proposed Steelpoort Integration: Project Team**

Mr	Sebenzile	Vilakazi	Snr Environmental Advisor (EIA Project Manager)	Transmission Land & Rights, Eskom
Mr	Simon	Mkhatshwa	Technical Engineer	Transmission System Planning, Eskom
Ms	Nicolene	Venter	Public Participation Consultant	Afrosearch
Ms	Nonka	Byker	Social Impact Specialist	MasterQ



## DRAFT MINUTES OF FOCUS GROUP MEETING

### Mining Houses

Monday, 2 July 2007

## PROPOSED STEELPOORT INTEGRATION PROJECT

Afrosearch (Pty) Ltd  
PO Box 13540  
Hatfield, 0028  
**Tel** (012) 362 2908  
**Fax** (012) 362 2463  
**E-mail:** iafrica@icon.co.za  
marti@afrosearch.co.za

Prepared by:

Afrosearch

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### APPENDIXES

**Appendix A: Presentation material**

**Appendix B: Attendance Register**

### YOUR COMMENTS ON THE DRAFT MINUTES

Your comments on this draft Minutes will be appreciated. In particular, we request you to verify that your comments during the meeting have been minuted correctly. Please address your comments, in writing, to Nicolene Venter at the address given on the cover page by not later than **WEDNESDAY, 8 AUGUST 2007**.

# **DRAFT MINUTES FOCUS GROUP MEETING MINING HOUSES**

**Venue:** Tubatse Recreation Hall, Steelpoort

**Date:** Monday 2 July 2007

**Time:** 09h00

## **1: WELCOME, INTRODUCTION AND APOLOGIES**

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Ms Nicolene Venter submitted the draft Agenda to the attendees and requested whether the draft Agenda could be accepted as the formal Agenda for the meeting. Consensus was reached by the attendees.

Ms Venter introduced herself as the public participation consultant for the project and thanked the attendees for their attendance. She introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Senior Environmental Advisor, Transmission Land and Rights, Eskom;
- Ms Marti Moolman, Afrosearch; and
- Mr Chris le Roux, Afrosearch

## **2: PURPOSE OF THE MEETING**

---

Ms Venter informed the attendees that an EIA for the proposed Steelpoort Integration Project was currently being undertaken. She explained that an EIA consists of two phases, i.e. the environmental scoping phase and the environmental impact assessment phase.

This proposed project is currently in the environmental scoping phase. She explained that this phase can be a frustrating phase for stakeholders and interested and/or affected parties (I&APs) as the team might, at this stage, not have answers to some of the questions that might be raised.

The purpose of the meeting is to:

- Provide the Mining Houses with information regarding the proposed project
-

- Request the Mining Houses participation
- Record comments, issues and concerns raised at the meeting regarding the proposed project

Ms Venter informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from the Mining Houses to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

---

Ms Nicolene Venter informed the attendees that the power that will be generated by the proposed Pumped Storage Scheme (PSS) needs to be fed into Eskom national transmission grid. To be able to feed the power generated by the proposed PSS, Eskom is proposing to:

- Establish a 400kV HV yard at the proposed substation to be constructed in the vicinity of the PSS;
- Construct 4x400kV transformer bays for the generator transformers at the proposed substation;
- Construct 4x400kV feeder bays: 3 at the proposed substation and 1 at Merensky Substation;
- Construct 2 transmission power lines to loop in and out of the Duvha-Leseding 400kV transmission power line into the proposed substation; and
- Construct a 400kV transmission line between the proposed substation and the Merensky Substation.

The detailed information and graphics presented by Ms N Venter are included within Appendix A.

### **4: EIA AND PUBLIC PARTICIPATION PROCESSES**

---

Ms Nicolene Venter provided the attendees with a brief overview of the EIA and public participation processes that will be followed for this proposed project. The presentation material is included within Appendix A.

## 5: DISCUSSION SESSION

---

### 5.1 Communication Issues

- *Mr Pikke Lubbe, Environmental Specialist, Samancor Tubatse Mine, Mr Gert van van der Merwe, Environmental Specialist, Samancor and Mr John Mashaba, Communication Officer, Xtrata* requested that a technical strategic meeting be held between technical representatives from Samancor and Xtrata and Eskom to discuss the proposed route alignment alternatives in detail. They indicated that, in principle, they do not object to the proposed transmission power line.

*Mr S Vilakai* replied that the request will be considered as it is in both party's interest to ensure that a technically feasible and environmentally acceptable route is defined.

- *Mr George van der Merwe* requested electronic copies of the proposed route alignment alternatives. This information will be plotted on their GIS maps to ascertain the possible impact on their existing and future mining activities.

*Ms Nicolene Venter* acknowledged the request and informed the delegate that the request will be submitted formally to Eskom.

**Post-meeting note:** The information was forwarded to Samancor (Mr Van der Merwe and Mr Lubbe on Tuesday, 3 July 2007.

- *Ms Venter* requested Mr John Mashaba's, Xtrata, permission to forward his contact details to Mr Moses Mahlangu, the proposed project's Tribal Authority and community consultant.

*Mr Mashaba* agreed.

**Post-meeting note:** Mr Mashaba's contact details were forwarded to Mr Mahlangu on Tuesday, 3 July 2007.

### 5.2 General Comments / Concerns

- *Mr Pikke Lubbe* informed the project team that due to the proposed new mining activities in the area, additional power supply would be required by the mines.

*Comment noted.*

## **6: WAY FORWARD AND CLOSURE**

---

Ms Venter thanked everybody for their participation and questions. The attendees were informed that the next steps after the meeting are:

- Distribution of the draft minutes of the meeting. Attendees were requested to please read through the minutes and to provide any feedback in writing to the public participation office;
- notification of the public meeting; and
- hold the public meeting, envisaged in August 2007.

The meeting was closed at 10:00

**APPENDIX A:  
PRESENTATION MATERIAL**

**STEELPOORT INTEGRATION PROJECT  
LIMPOPO PROVINCE**

**PUBLIC PARTICIPATION PROCESS**

**Focus Group Meeting**

Mining Houses and Industry

MONDAY, 2 JULY 2007



**Agenda**

- Welcome, introduction and apologies
- Purpose of the meeting
- Background and technical aspects regarding the proposed Steelpoort Integration Project
- EIA and Public participation process
- Discussion session
- The way forward and closure



## Purpose of Today's Meeting

- Provide I&APs with information regarding the proposed project
- Request your participation
- To record comments, issues and concerns raised

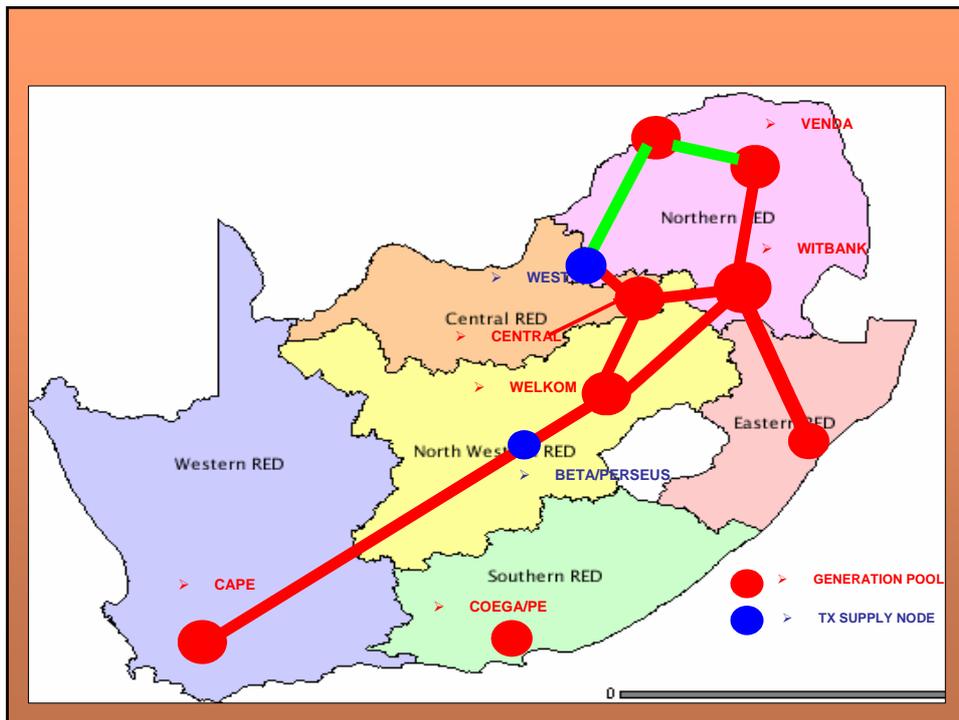


## Background and technical aspects regarding the proposed Steelpoort Integration Project

presented by

**Simon Vusumuzi Mkhathshwa –  
Eskom Transmission**

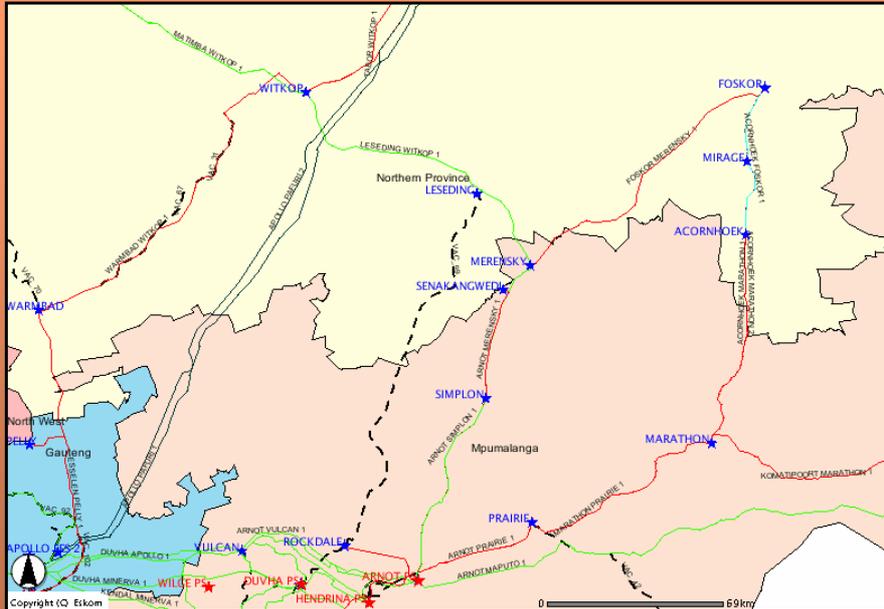




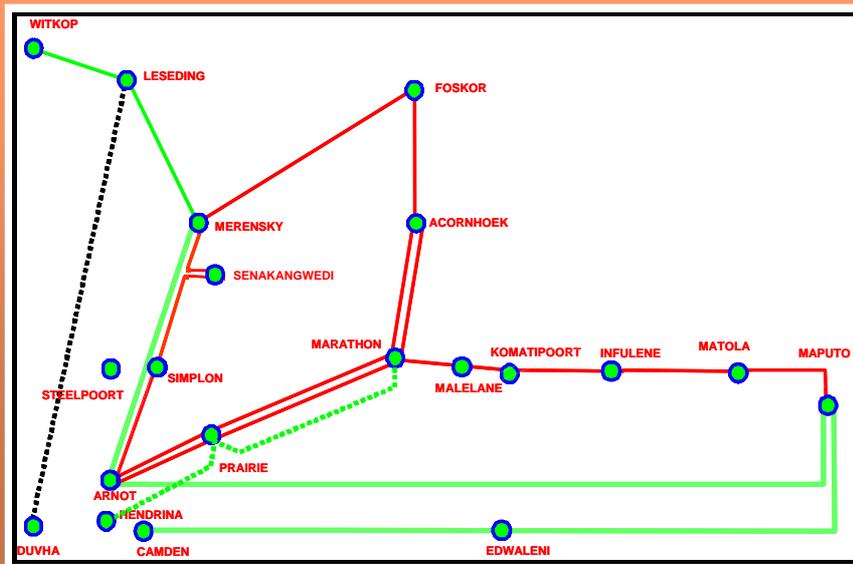
## PROJECT OVERVIEW

- Different energy sources
- Address reliability of supply
- Reduce operational costs
- Put generation close to load centres
- Close to where the energy sources are
- Adhere to the requirements by NERSA
- Look at technical and cost effective solution to integrate the Power Station

# GEOGRAPHICAL DIAGRAM



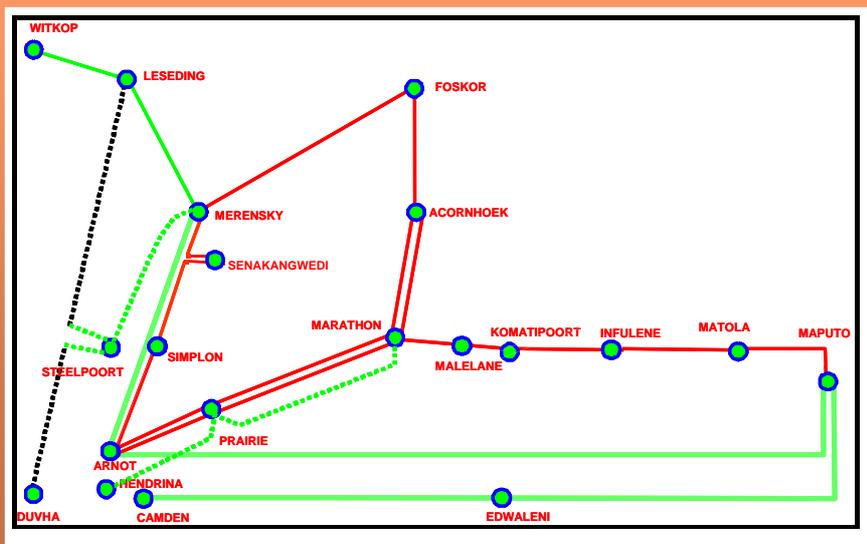
# GEOGRAPHICAL DIAGRAM



## PROJECT BACKGROUND

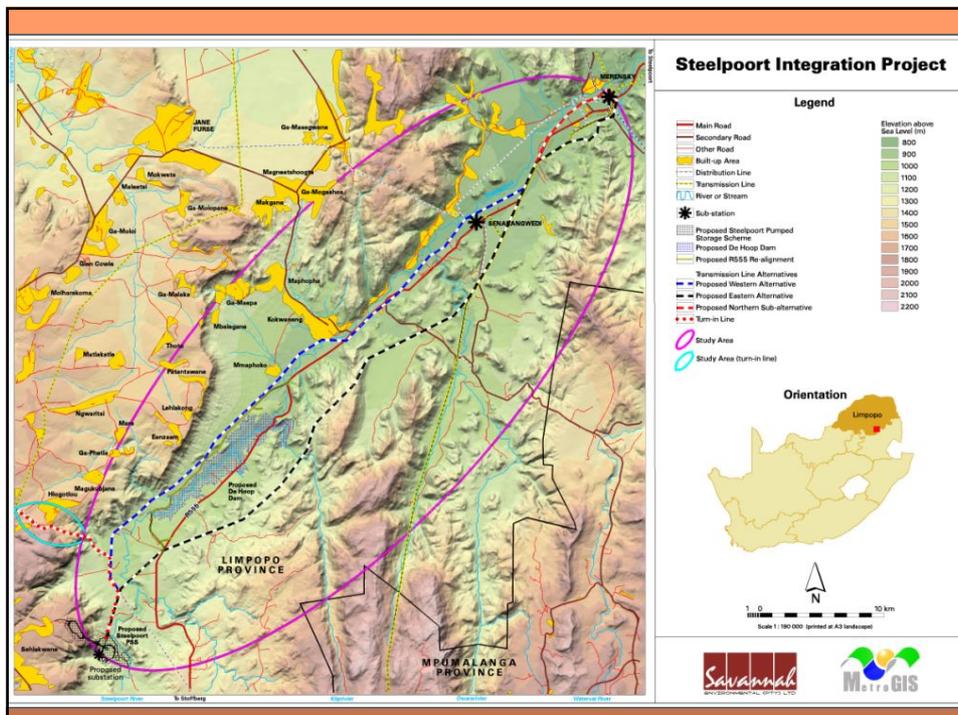
- **Steelpoort PSS Location**
  - Situated NW of Simplon substation
  - 50km from Merensky Substation, 40km from the Duvha-Leseding 400kV line
  - In the North East Grid close to the border of Mpumalanga & Limpopo Provinces
  - Lies between the new Duvha-Leseding & Arnot-Merensky 400kV lines
- **Number of units**
  - It will be a 4x380MW station
  - It will be 11/400kV station

## LOOP IN AND OUT DUVHA LESEDING 400kV LINE INTO STEELPOORT



## SCOPE OF WORK

- Establish a 400kV HV yard at proposed Steelpoort Substation
- Build 4x400kV transformer bays for the generator transformers
- Build 4x400kV feeder bays, 3 at Steelpoort and 1 at Merensky
- Build 2x ~40km loop in and out of Duvha-Leseding 400kV line into Steelpoort PSS
- Build ~50km proposed Steelpoort-Merensky 400kV line



# EIA PROCESS



## EIA Process

(In terms of NEMA):



## EIA Process

### Legal requirement:

- EIA regulations published – Section 24(5) of NEMA No 107 of 1998
- Government Notice R386 and R387 (21 April 2006)
- Environmental authorisation required from DEAT
- Environmental authorisation in consultation with Limpopo Province Dept of Environment

## EIA Process (continued)

### 7 Listed activities

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Description of each listed activity:
Government Notice R387 (21 April 2006)	1(l)	The construction of facilities or infrastructure, including associated structures or infrastructure, for the transmission and distribution of above ground electricity with a capacity of 120 kilovolts or more
Government Notice R386 (21 April 2006)	12	The transformation or removal of indigenous vegetation of 3 hectares or more or of any size where the transformation or removal would occur within a critically endangered or an endangered ecosystem listed in terms of section 52 of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
-------------------------------------	---	--------------------------------

Government Notice R386 (21 April 2006)	14	The construction of masts of any material of type and of any height, including those used for telecommunications broadcasting and radio transmission, but excluding (a) masts of 15m and lower exclusively used by (i) radio amateurs; or (ii) for lightening purposes (b) flagpoles; and (c) lightening conductor poles
Government Notice R386 (21 April 2006)	15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.
Government Notice R386 (21 April 2006)	16(a)	The transformation of undeveloped, vacant or derelict land to residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 hectare.

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
-------------------------------------	---	--------------------------------

Government Notice R386 (21 April 2006)	7	The above ground storage of a dangerous good, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic metres but less than 1 000 cubic metres at any one location or site.
Government Notice R386 (21 April 2006)	1 (m)	The construction of facilities or infrastructure, including associated structures or infrastructure, for any purpose in the one in ten year flood line of a river or stream, or within 32 m from the bank of a river or stream where the flood line is unknown, excluding purposes associated with existing residential use, but including - (i) canals; (ii) channels; (iii) bridges; (iv) dams; and (v) weirs

## Environmental Scoping Phase

### Purpose of scoping:

- Consult with interested and/or affected parties (I&APs) through the public participation process
- Identify issues and potential impacts requiring further investigation
- Define scope of the EIA



## Environmental Scoping Phase (continued)

### Environmental studies to be undertaken include:

- Ecology, fauna & flora
- Avifauna (birds)
- Soils & agricultural potential
- Heritage impacts
- Visual quality and aesthetics
- Topography, hydrology, groundwater, climate and pollution
- Social environments



# Public Participation Process



## Public Participation Process

Notification of process



Identification of and consultation with I&APs



Focus group meetings



Public meeting to involve I&APs



Draft environmental scoping report for public review



## How to participate

- Respond to invitations (advert / meetings)
- Complete and submit registration & comment form
- Contact the public participation office
- Review draft scoping report



## DISCUSSION SESSION



## The Way Forward (scoping phase)

	2007				
	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER (onwards)
Focus group meetings	✓	✓			
Key stakeholder workshop		✓			
Public meeting			✓		
Draft ESR (public review)			✓	✓	
Final ESR & plan of study for EIA - authorities					✓



# THANK YOU



**APPENDIX B:  
ATTENDANCE REGISTER**



## **DRAFT MINUTES OF FOCUS GROUP MEETING**

**Dithamaga Trust**

**Monday, 2 July 2007**

## **PROPOSED STEELPOORT INTEGRATION PROJECT**

Afrosearch (Pty) Ltd  
PO Box 13540  
Hatfield, 0028  
**Tel** (012) 362 2908  
**Fax** (012) 362 2463  
**E-mail:** iafrica@icon.co.za  
marti@afrosearch.co.za

Prepared by:

Afrosearch

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### APPENDIXES

**Appendix A: Presentation material**

**Appendix B: Attendance Register**

### YOUR COMMENTS ON THE DRAFT MINUTES

Your comments on this draft Minutes will be appreciated. In particular, we request you to verify that your comments during the meeting have been minuted correctly. Please address your comments, in writing, to Nicolene Venter at the address given on the cover page by not later than **SATURDAY, 18 AUGUST 2007**.

# **DRAFT MINUTES FOCUS GROUP MEETING DITHAMAGA TRUST**

**Venue:** Tubatse Recreation Hall, Steelpoort

**Date:** Monday 2 July 2007

**Time:** 10h00

## **1: WELCOME, INTRODUCTION AND APOLOGIES**

---

Ms Venter introduced herself as the public participation consultant for the project and thanked the attendees for their attendance. She introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Senior Environmental Advisor, Transmission Land and Rights, Eskom
- Mr Chris le Roux, Afrosearch

## **2: PURPOSE OF THE MEETING**

---

Ms Venter informed the attendees that an EIA for the proposed Steelpoort Integration Project was currently being undertaken. She explained that an EIA consists of two phases, i.e. the environmental scoping phase and the environmental impact assessment phase.

This proposed project is currently in the environmental scoping phase. She explained that this phase can be a frustrating phase for stakeholders and interested and/or affected parties (I&APs) as the team might, at this stage, not have answers to some of the questions that might be raised.

The purpose of the meeting is to:

- Provide the Dithamaga Trust with information regarding the proposed project
- Request the Dithamaga Trust's participation
- Record comments, issues and concerns raised at the meeting regarding the proposed project

Ms Venter informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from the Dithamaga Trust to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

---

Ms Nicolene Venter informed the attendees that the power that will be generated by the proposed Pumped Storage Scheme (PSS) needs to be fed into Eskom national transmission grid. To be able to feed the power generated by the proposed SPSS, Eskom is proposing to:

- Establish a 400kV HV yard at the proposed substation in the vicinity of the PSS;
- Construct 4x400kV transformer bays for the generator transformers at the proposed substation;
- Construct 4x400kV feeder bays: 3 at the proposed substation and 1 at Merensky Substation;
- Construct 2 transmission power lines to loop in and out of the Duvha-Leseding 400kV transmission line into the proposed substation; and
- Construct a 400kV transmission power line between the proposed substation and the Merensky Substation.

The detailed information and graphics presented by Ms N Venter are included within Appendix A.

### **4: EIA AND PUBLIC PARTICIPATION PROCESSES**

---

Ms Nicolene Venter provided the attendees with a brief overview of the EIA and public participation processes that will be followed for this proposed project. The presentation material is included within Appendix A.

## **5: DISCUSSION SESSION**

---

### **5.1 General Comments / Concerns**

- *Mr Frank Musiha Maboele* enquired whether the transmission power line will provide electricity to their community.  
*Mr Sebenzile Vilakazi, Eskom*, replied that the community will not benefit directly from the transmission power line, e.g. electricity will not be supplied directly to the community from this proposed transmission power line. He informed the attendees that the power generated by the Pumped Storage Scheme will be distributed by this proposed transmission power line to Eskom's Merensky Transmission Substation situated in Steelpoort. When the line is constructed, additional power in Steelpoort will be available to the Greater Tubatse Municipality to consider electricity supply to the community.
- *Mr Eric Morota*, as a follow-up on Mr Maboele's question, also raised the question whether Eskom will supply the community with electricity.  
*Mr Sebenzile Vilakazi* responded that Eskom Transmission does not supply electricity directly to communities, but only from one substation to another. He suggested that the Committee submit a formal request to the Greater Tubatse Municipality for electricity supply to their community.

### **5.2 Servitude Comments / Issues**

- *Mr Eric Morota* enquired how wide the servitude will be?  
*Ms Venter* explained by using the width of the hall that the servitude will be double the width of the hall (i.e. 55m).

### **5.3 Compensation Comments / Issues**

- *Mr Eric Morota* enquired whether the community will receive payment if the transmission power line goes through their community.  
*Ms Venter* replied that Eskom tries to avoid putting a transmission power line through communities. From a social point of view, which is part of the environmental studies being undertaken, it is not advisable to build a transmission power line through communities. However, should it not be possible to avoid a community or a house/dwelling, Eskom will appoint a negotiator and he/she will have one-on-one discussions with the affected landowner or community to discuss compensation (payment) for the servitude.

#### **5.4 Social Comments / Issues**

- *Mr Eric Morota* enquired whether the community will be compensated (receive payment) if their vegetable gardens needs to be moved / removed for the transmission power line.

*Mr Vilakazi* informed the attendees that should their vegetable gardens be affected by the transmission power line, then Eskom will come and discuss the matter with them, as a community, or the person who's vegetable garden is affected, personally. Eskom will appoint a negotiator and he/she will have one-on-one discussions with the affected landowner to discuss compensation (payment).

#### **6: WAY FORWARD AND CLOSURE**

---

Ms Venter thanked everybody for their participation and questions. The attendees were informed that the next steps after the meeting are:

- Distribution of the draft minutes of the meeting. Attendees were requested to please read through the minutes and to provide any feedback in writing to the public participation office;
- notification of the public meeting; and
- hold the public meeting, envisaged in August 2007.

The meeting was closed at 11:00

**APPENDIX A:  
PRESENTATION MATERIAL**

**STEELPOORT INTEGRATION PROJECT  
LIMPOPO PROVINCE**

**PUBLIC PARTICIPATION PROCESS**

**Focus Group Meeting**

Dithamaga Trust

MONDAY, 2 JULY 2007



**Agenda**

- Welcome, introduction and apologies
- Purpose of the meeting
- Background and technical aspects regarding the proposed Steelpoort Integration Project
- EIA and Public participation process
- Discussion session
- The way forward and closure



## Purpose of Today's Meeting

- Provide I&APs with information regarding the proposed project
- Request your participation
- To record comments, issues and concerns raised

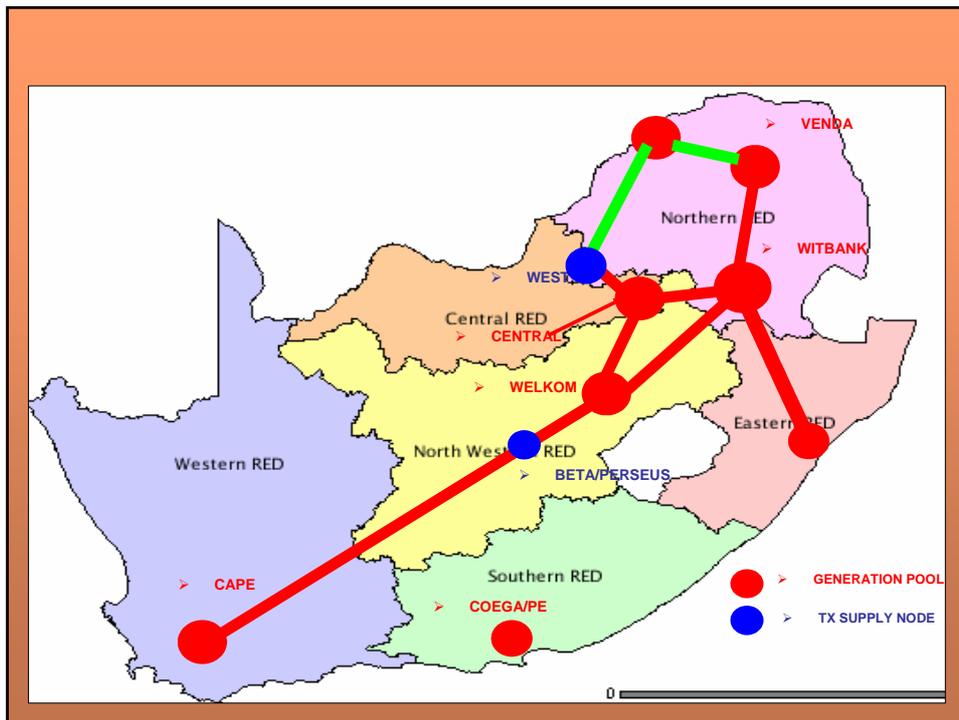


## Background and technical aspects regarding the proposed Steelpoort Integration Project

presented by

**Simon Vusumuzi Mkhathshwa –  
Eskom Transmission**

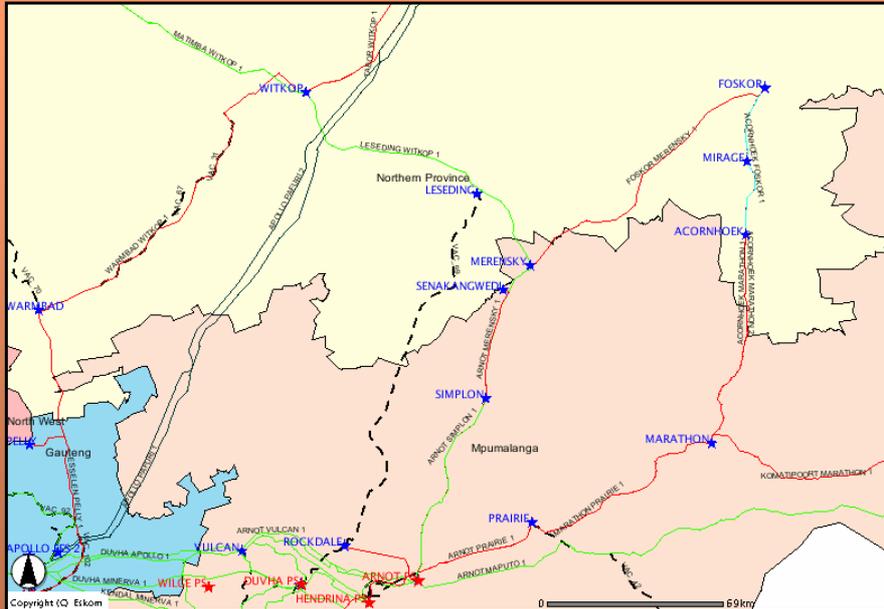




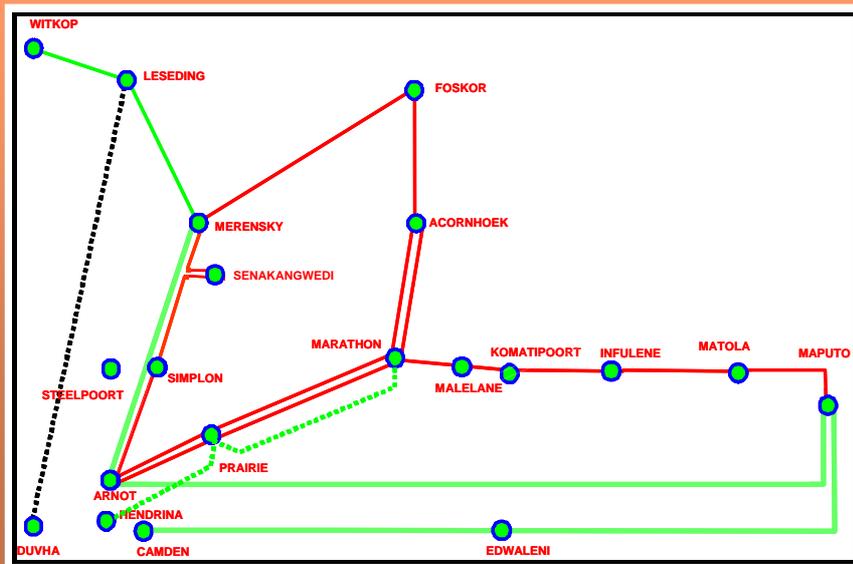
## PROJECT OVERVIEW

- Different energy sources
- Address reliability of supply
- Reduce operational costs
- Put generation close to load centres
- Close to where the energy sources are
- Adhere to the requirements by NERSA
- Look at technical and cost effective solution to integrate the Power Station

# GEOGRAPHICAL DIAGRAM



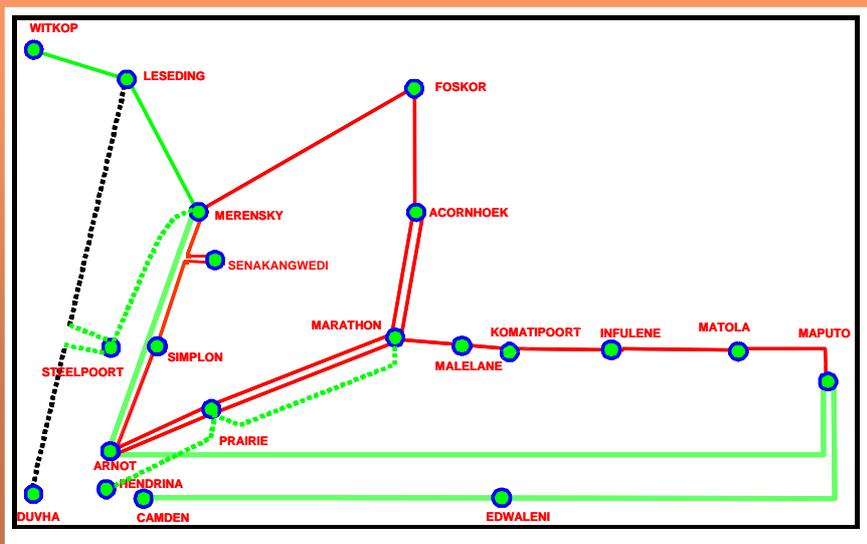
# GEOGRAPHICAL DIAGRAM



## PROJECT BACKGROUND

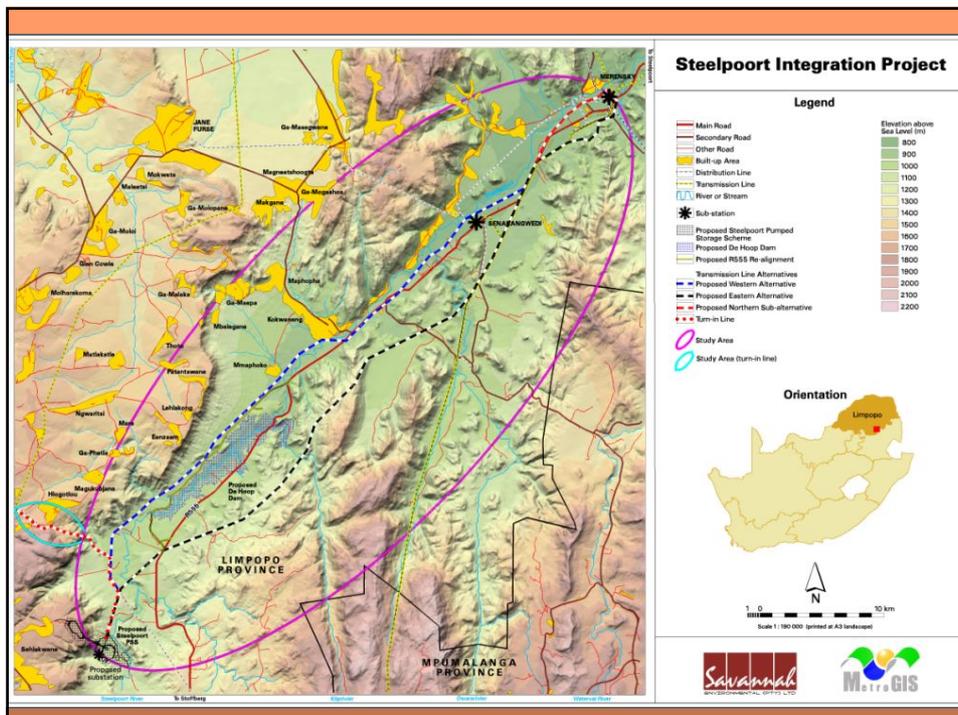
- **Steelpoort PSS Location**
  - Situated NW of Simplon substation
  - 50km from Merensky Substation, 40km from the Duvha-Leseding 400kV line
  - In the North East Grid close to the border of Mpumalanga & Limpopo Provinces
  - Lies between the new Duvha-Leseding & Arnot-Merensky 400kV lines
- **Number of units**
  - It will be a 4x380MW station
  - It will be 11/400kV station

## LOOP IN AND OUT DUVHA LESEDING 400kV LINE INTO STEELPOORT



## SCOPE OF WORK

- Establish a 400kV HV yard at proposed Steelpoort Substation
- Build 4x400kV transformer bays for the generator transformers
- Build 4x400kV feeder bays, 3 at Steelpoort and 1 at Merensky
- Build 2x ~40km loop in and out of Duvha-Leseding 400kV line into Steelpoort PSS
- Build ~50km proposed Steelpoort-Merensky 400kV line



# EIA PROCESS



## EIA Process

(In terms of NEMA):



## EIA Process

### Legal requirement:

- EIA regulations published – Section 24(5) of NEMA No 107 of 1998
- Government Notice R386 and R387 (21 April 2006)
- Environmental authorisation required from DEAT
- Environmental authorisation in consultation with Limpopo Province Dept of Environment

## EIA Process (continued)

### 7 Listed activities

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Description of each listed activity:
Government Notice R387 (21 April 2006)	1(I)	The construction of facilities or infrastructure, including associated structures or infrastructure, for the transmission and distribution of above ground electricity with a capacity of 120 kilovolts or more
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## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
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## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
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Government Notice R386 (21 April 2006)	7	The above ground storage of a dangerous good, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic metres but less than 1 000 cubic metres at any one location or site.
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## Environmental Scoping Phase

### Purpose of scoping:

- Consult with interested and/or affected parties (I&APs) through the public participation process
- Identify issues and potential impacts requiring further investigation
- Define scope of the EIA



## Environmental Scoping Phase (continued)

### Environmental studies to be undertaken include:

- Ecology, fauna & flora
- Avifauna (birds)
- Soils & agricultural potential
- Heritage impacts
- Visual quality and aesthetics
- Topography, hydrology, groundwater, climate and pollution
- Social environments



# Public Participation Process



## Public Participation Process

Notification of process



Identification of and consultation with I&APs



Focus group meetings



Public meeting to involve I&APs



Draft environmental scoping report for public review



## How to participate

- Respond to invitations (advert / meetings)
- Complete and submit registration & comment form
- Contact the public participation office
- Review draft scoping report



## DISCUSSION SESSION



## The Way Forward (scoping phase)

	2007				
	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER (onwards)
Focus group meetings	✓	✓			
Key stakeholder workshop		✓			
Public meeting			✓		
Draft ESR (public review)			✓	✓	
Final ESR & plan of study for EIA - authorities					✓



# THANK YOU



**APPENDIX B:  
ATTENDANCE REGISTER**



## **DRAFT MINUTES OF FOCUS GROUP MEETING**

**Vosrus Guest House**

**2 July 2007**

## **Proposed Steelpoort Integration Project**

Afrosearch (Pty) Ltd

PO Box 13540

Hatfield, 0028

**Tel** (012) 362 2908

**Fax** (012) 362 2463

**E-mail:** iafrica@icon.co.za

marti@afrosearch.co.za

Prepared by:

Afrosearch

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5: DISCUSSION SESSION .....	3
6: WAY FORWARD AND CLOSURE.....	5



**DRAFT MINUTES**  
**FOCUS GROUP MEETING**  
**LANDOWNERS**

**Venue:** Vosrus Guest House

**Date:** 2 July 2007

**Time:** 14h00

**1: WELCOME, INTRODUCTION AND APOLOGIES**

---

Marti Moolman introduced herself as the public participation consultant for the project and thanked the landowners for their attendance. She introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Senior Environmental Advisor, Transmission Land and Rights, Eskom;
- Mr Simon Mkhathshwa, Transmission Technical Engineer, Eskom; and
- Ms Nonka Byker, Social Impact Specialist, Master Q Research
- Chris Le Roux from Afrosearch

**2: PURPOSE OF THE MEETING**

---

Marti Moolman informed the attendees that an EIA for the proposed Steelpoort Integration Project was currently being undertaken. She explained that an EIA consists of two phases, i.e. the environmental scoping phase and the environmental impact assessment phase.

This proposed project is currently in the environmental scoping phase. She explained that this phase can be a frustrating phase for stakeholders and interested and/or affected parties (I&APs) as the team might, at this stage, not have answers to some of the questions that might be raised by the Land owners.

The purpose of the meeting is to:

- Provide the Landowners with information regarding the proposed project
- Request the Landowners to participation
- Record comments, issues and concerns raised at the meeting regarding the proposed project

Marti Moolman informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from Landowners to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

---

Mr Simon Mkhathshwa informed the attendees that the power that will be generated by the proposed Steelpoort Pump Storage Scheme (SPSS) needs to be fed into Eskom national transmission grid. To be able to feed the power generated by the proposed SPSS, Eskom is proposing to:

- Establish a 400kV HV yard at the proposed Steelpoort Substation;
- Construct 4x400kV transformer bays for the generator transformers at the proposed Steelpoort Substation;
- Construct 4x400kV feeder bays: 3 at the proposed Steelpoort Substation and 1 at Merensky Substation;
- Construct 2 transmission lines to loop in and out of the Duvha-Leseding 400kV transmission line into the proposed Steelpoort PSS; and
- Construct a 400kV transmission line Between the Steelpoort and Merensky substations.

The detailed information and graphics presented by Mr Mkhathshwa are included within Appendix A.

### **4: EIA AND PUBLIC PARTICIPATION PROCESSES**

---

Marti Moolman provided the attendees with a brief overview of the EIA and public participation processes that will be followed for this proposed project. She also indicated that Eskom would be having a meeting to provide the Interested and Affected Party's with an overview of the projects in the area that would include the consultant of the De Hoop dam and the proposed pump storage scheme. The presentation material is included within Appendix A.

### **5: DISCUSSION SESSION**

---

The discussions were informal around the map of the study area. Ms Nonka Baker where allocated time to consult with landowners regarding the Social Impact issues in the area.

#### **5.1 General Comments / Concerns**

*Mr J Language stated that there is an indication that Eskom intend to buy the farm of Dr. W Enslin.*

Mr S Vilakazi responded that accordind to his knowledge not, but the comment is noted.

#### **5.2 Route Alignment comments / concerns**

*Mr M Botha enquired to whether the proposed power line and the proposed pipe line could not run together in a corridor?*

Mr S Vilakasi responded that Eskom intent to have a meeting to explain the different proposed projects in the area. That would include the De Hoop Dam and the proposed pump Storage scheme.

*Mr J Language – the land owners would be prepared to give one servitude for the proposed power lines and the pipe line, they would not consider giving two servitudes on one farm. He stated that the Western alignment would not be opposed by the land owners, if the power lines and the pipeline would be in one corridor.*

*Mr L Swart stated that he would prefer a corridor with the proposed pipeline and power line together and if possible the consultants must investigate the option of the route to follow the new R555.*

*Mr J Language added that if the farm of Dr Enslin was bought by Eskom a route on the land owned by Eskom would minimize the impact on the private landowners.*

*The Landowners indicated that some of them owned more than one farm in the area and that they would be affected along the proposed route.*

The general consensus regarding the route alignment was that it would be considered to follow the R 555.

### **Heritage Impacts**

- *Mr J Language enquired as to how the heritage sites would have an impact on the Western alignment as the De Hoop dam and the R555 is being proposed to be constructed on the Western side.*

*Ms N Baker replied the heritage specialist Dr J van Schalkwyk would be responsible for the heritage studies once the information becomes available, which may be during the impact phase, it will be forwarded to Mr J Language.*

### **5.3 Construction comments / concerns**

- *Mr M Botha enquired when construction on the proposed power lines would start?*

Mr S Vilakazi replied that it is envisaged that the EIA process will be completed by mid 2008. Ten to twelve month negotiation is allocated for negotiators to obtain the required servitudes. Should DEAT issue a positive Environmental Authorisation, then it is envisaged that construction will commence in 2009. This project must be in operation by 2014.

### **5.4 Steelpoort Pumped Storage Scheme**

- *Mr N Gouws – there is confusion regarding the proposed Pumped Storage scheme, the De Hoop dam and the proposed power lines. There seem to be no communication between the different people regarding the different projects in the area. Mr N Gouws stated that a dam is being build, a pumped storage scheme and power lines but there is no pipeline to link the projects.*

- *Mr L Swart made a map available that he obtained with the proposed pipe line mapped on. He provides Mr S Vilakasi with a copy of the map.*

Mr S Vilakazi informed the attendees that Eskom is looking at alternative methods of generating electricity so as not to rely only on coal fired power stations. One such alternative is using hydro energy. The proposed SPSS will be in close proximity to the De Hoop Dam and will use hydro energy to generate electricity.

## **5.5 Communication**

- *The Land owners requested that they would not opposed the proposed power lines, it must just be in a responsible way and the landowner's farms must be taken into account.*

## **6: WAY FORWARD AND CLOSURE**

---

Marti Moolman thanked everybody for their participation and questions. The attendees were informed that the next steps after the meeting are:

- Distribution of the draft minutes of the meeting. Attendees were requested to please read through the minutes and to provide any feedback in writing to the public participation office;
- Ongoing Public consultation; and
- Notification of the Public Open Day in August 2007.

The meeting was closed at 17h00.

## ATTENDANCE REGISTER

<b>Name</b>	<b>Property</b>	<b>Address</b>	<b>Contact details</b>
Mr F Du Toit	Buffelskloof 141 JS	P O Box 14599	Tel: 011 9183575
		Farramere	Cell: 0829653162
		1518	E Mail: kwalata@iafrica.com
Mr L Swart	CCT	P O Box 780	Tel: 013 2365032
		Steelpoort	Cell: 082 7747444
		1133	E Mail: plswart@telkomsa.net
Mr M Botha	Tigershoek	P O Box 10	Tel: 013 2717103
		Stofberg	Cell: 082 4870060
		1056	E- Mail:
Mr M Viljoen	Vonstaffel	P O Box 104	Tel: 013 2737097
		Roosenekal	Cell: 082 7218909
		1066	E- Mail:
Mr J Language	Buffelskloof 141 JS/Belvedere	P O Box 905	Tel:
		Steelpoort	Cell:
		1133	E- Mail:
Mr N Gouws	Steynsdrift 141 JS	P O Box 109	Tel:
		Roosenekal	Cell:
		1066	E- Mail:
Mr I Maartens	Steynsdrift	P O Box 40	Tel:
		Roosenekal	Cell:
		1066	E- Mail:

**APPENDIX A:  
PRESENTATION**

**STEELPOORT INTEGRATION PROJECT  
LIMPOPO PROVINCE**

**PUBLIC PARTICIPATION PROCESS**

**Focus Group Meeting**

Land owners

MONDAY, 2 JULY 2007



**Agenda**

- Welcome, introduction and apologies
- Purpose of the meeting
- Background and technical aspects regarding the proposed Steelpoort Integration Project
- EIA and Public participation process
- Discussion session
- The way forward and closure



## Purpose of Today's Meeting

- Provide I&APs with information regarding the proposed project
- Request your participation
- To record comments, issues and concerns raised



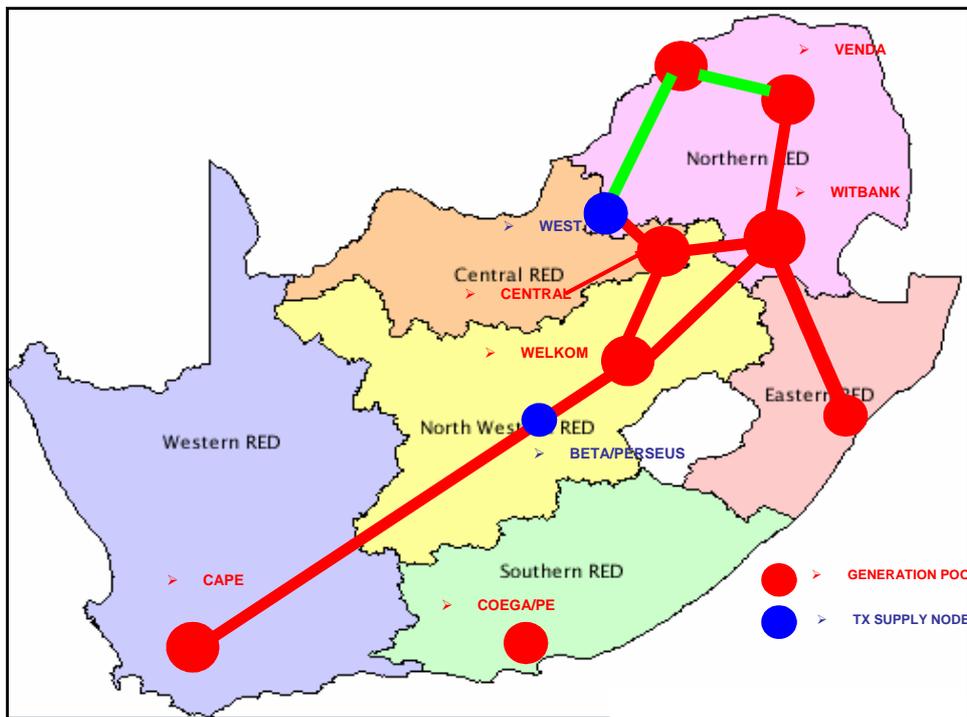
## Background and technical aspects regarding the proposed Steelpoort Integration Project



# STEELPOORT PSS INTEGRATION 400kV LINES AND SUBSTATION

BY  
SIMON VUSUMUZI MKHATSHWA

DATE  
27 June 2007

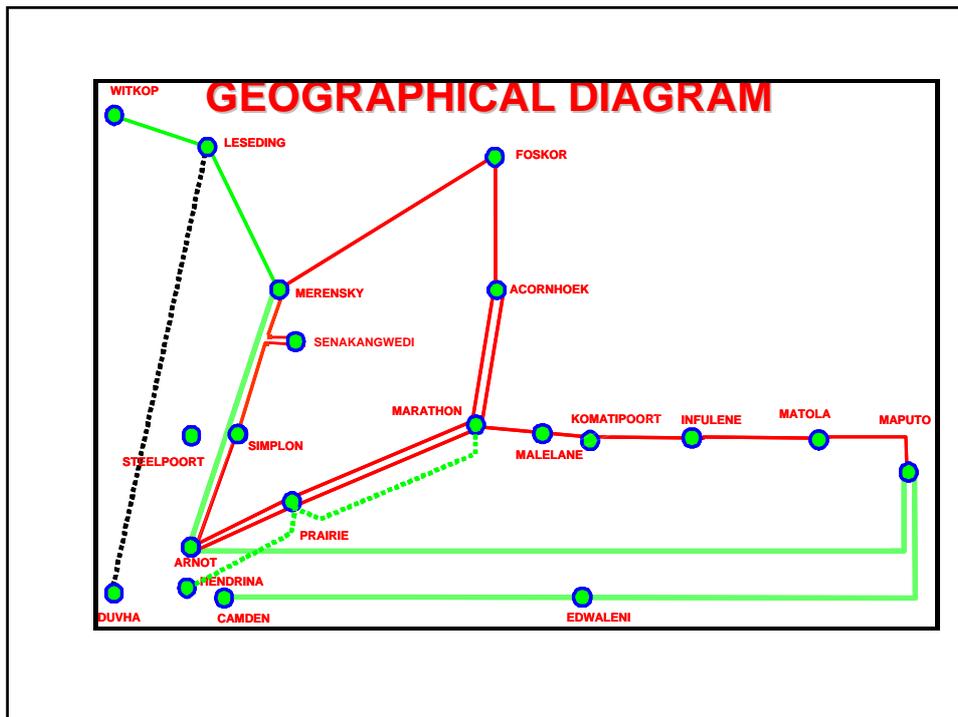


## PROJECT OVERVIEW

- ⊙ Different energy sources
- ⊙ Address reliability of supply
- ⊙ Reduce operational costs
- ⊙ Put generation close to load centres
- ⊙ Close to where the energy sources are
- ⊙ Adhere to the requirements by NERSA
- ⊙ Look at technical and cost effective solution to integrate the Power Station

## GEOGRAPHICAL DIAGRAM





## PROJECT BACKGROUND

### ⊙ Station Location

- Steelpoort PSS is situated North West of Simplon substation
- It is 50km away from Merensky substation, 40km away from Duvha Leseding 400kV line
- It is in the North East Grid close to the border of Mpumalanga and Limpopo Province
- It lies between the new Duvha Leseding and Arnot Merensky 400kV lines.

### ⊙ Number of units

- It will be a 4x380MW station
- It will be 11/400kV station





# EIA PROCESS



## EIA Process

(In terms of NEMA):



## EIA Process

### Legal requirement:

- EIA regulations published – Section 24(5) of NEMA No 107 of 1998
- Government Notice R386 and R387 (21 April 2006)
- Environmental authorisation required from DEAT
- Environmental authorisation in consultation with Limpopo Province Dept of Environment

## EIA Process (continued)

### 7 Listed activities

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Description of each listed activity:
Government Notice R387 (21 April 2006)	1(l)	The construction of facilities or infrastructure, including associated structures or infrastructure, for the transmission and distribution of above ground electricity with a capacity of 120 kilovolts or more
Government Notice R386 (21 April 2006)	12	The transformation or removal of indigenous vegetation of 3 hectares or more or of any size where the transformation or removal would occur within a critically endangered or an endangered ecosystem listed in terms of section 52 of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
-------------------------------------	---	--------------------------------

Government Notice R386 (21 April 2006)	14	The construction of masts of any material of type and of any height, including those used for telecommunications broadcasting and radio transmission, but excluding (a) masts of 15m and lower exclusively used by (i) radio amateurs; or (ii) for lightening purposes (b) flagpoles; and (c) lightening conductor poles
Government Notice R386 (21 April 2006)	15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.
Government Notice R386 (21 April 2006)	16(a)	The transformation of undeveloped, vacant or derelict land to residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 hectare.

## EIA Process (continued)

Number and date of relevant notice:	Activity No (s) (in terms of the relevant regulation or notice) :	Describe each listed activity:
-------------------------------------	---	--------------------------------

Government Notice R386 (21 April 2006)	7	The above ground storage of a dangerous good, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic metres but less than 1 000 cubic metres at any one location or site.
Government Notice R386 (21 April 2006)	1 (m)	The construction of facilities or infrastructure, including associated structures or infrastructure, for any purpose in the one in ten year flood line of a river or stream, or within 32 m from the bank of a river or stream where the flood line is unknown, excluding purposes associated with existing residential use, but including - (i) canals; (ii) channels; (iii) bridges; (iv) dams; and (v) weirs

## Environmental Scoping Phase

### Purpose of scoping:

- Consult with interested and/or affected parties (I&APs) through the public participation process
- Identify issues and potential impacts requiring further investigation
- Define scope of the EIA



## Environmental Scoping Phase (continued)

### Environmental studies to be undertaken include:

- Ecology, fauna & flora
- Avifauna (birds)
- Soils & agricultural potential
- Heritage impacts
- Visual quality and aesthetics
- Topography, hydrology, groundwater, climate and pollution
- Social environments



# Public Participation Process



## Public Participation Process

Notification of process



Identification of and consultation with I&APs



Focus group meetings



Public meeting to involve I&APs



Draft environmental scoping report for public review



## How to participate

- Respond to invitations (advert / meetings)
- Complete and submit registration & comment form
- Contact the public participation office
- Review draft scoping report



## DISCUSSION SESSION



## The Way Forward (scoping phase)

	2007				
	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER (onwards)
Focus group meetings	✓	✓			
Key stakeholder workshop		✓			
Public meeting			✓		
Draft ESR (public review)			✓	✓	
Final ESR & plan of study for EIA - authorities					✓



# THANK YOU





Afrosearch (Pty) Ltd  
P O Box 13540  
Hatfield 0028  
Tel (012) 362 2908  
Fax (012) 362 2463

Mr Johan Fernhout  
Chief Surveyor  
Samancor – Eastern Chrome Mines  
PO Box 3  
STEELPOORT  
1133

26 July 2007

Dear Mr Fernhout

**ENVIRONMENTAL IMPACT ASSESSMENT: PROPOSED STEELPOORT INTEGRATION PROJECT: LIMPOPO PROVINCE**

Thank you for making time available in your busy schedule on Monday, 2 July 2007 to meet with the project team regarding the above-mentioned proposed project.

We would like to confirm the discussion held at your office as follows:

1. The project team was informed that Samancor is planning opencast mining in the area of the proposed eastern alignment and that such mining has an operational lifespan of 4 – 5 years.

Comment was noted.

2. You enquired when construction will commence and if construction will start at Merensky and move down to the proposed Steelpoort Substation or if construction will start at both ends.

Mr Sebenzile Vilakazi from Eskom replied that it is envisaged that construction will commence in the 2<sup>nd</sup> quarter of 2009. Information regarding the construction methodology is not yet available and a response regarding where construction will start cannot be responded to at this time. Then information will, however, be forwarded as soon as it is available.

3. Contact details of Mr Walter Murray, Samancor's land claims negotiator, was provided to the project team and it was requested that Mr Murray be informed regarding this proposed project.

The project's Background Information Document was e-mailed to Mr Murray on Tuesday, 3 July 2007 and his full contact details requested for registration purposes.

4. It was indicated that the western alternative will be Samancor's preferred alternative as it will not sterilise Samancor's mineral rights as would be the situation on the eastern alternative.

Comment was noted.

5. The project team was informed that there are various platinum rights registered in the area. Details regarding these platinum rights were not available.

Comment was noted. The public participation consultants will attempt to source the information.

6. It was also mentioned that there is a chrome / platinum mine (Dwarsrivier Mine) that might be affected by the eastern alignment alternative. Access to Dwarsrivier Mine is from the road to the Tweefontein Mine.

Comment was noted.

7. The project team was informed that there are mainly opencast mining activities on the eastern alternative and mainly underground mining activities on the western alternative.

Comment was noted.

8. It was mentioned that some of the land on the western alignment alternative has been allocated to a community through the Government's agricultural development initiative.

Comment was noted.

9. It was agreed that Afrosearch will request the study area map in a mutually acceptable format for Samancor to plot their expansion plans thereon and once completed, Samancor will forward copies to Afrosearch.

Information in .dxf format has been supplied to Mr Johan Fernhout of Samancor on 5 July 2007.

We would like to inform you that all comments received regarding the proposed Steelpoort Integration project will be captured in the draft Environmental Scoping Report (ESR). The draft ESR will be made available for public review and you will be notified of the availability of the report in writing.

Please accept herewith our appreciation for participating in the EIA process and for being part of the public participation process for this proposed project.

Kind regards



NICOLENE VENTER  
PUBLIC PARTICIPATION CONSULTANT  
STEELPOORT INTEGRATION PROJECT



**DRAFT MINUTES OF FOCUS GROUP  
MEETING**

**DEPARTMENT OF WATER AFFAIRS AND  
FORESTRY, PRETORIA**

Afrosearch (Pty) Ltd  
PO Box 13540  
Hatfield, 0028

**Tel** (012) 362 2908

**Fax** (012) 362 2463

**E-mail:** iafrica@icon.co.za

marti@afrosearch.co.za

**HELD ON**

**WEDNESDAY 4 JULY 2007**

**PROPOSED STEELPOORT  
INTEGRATION PROJECT**

Prepared by:

Afrosearch

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### APPENDIXES

**Appendix A: Presentation material**

**Appendix B: Attendance Register**

### **YOUR COMMENTS ON THE DRAFT MINUTES**

Your comments on this draft Minutes will be appreciated. In particular, we request you to verify that your comments during the meeting have been minuted correctly. Please address your comments, in writing, to Nicolene Venter at the address given on the cover page by not later than **WEDNESDAY, 8 AUGUST 2007**.

# **DRAFT MINUTES**

## **FOCUS GROUP MEETING**

### **DEPARTMENT OF WATER AFFAIRS AND FORESTRY**

**Venue:** Sedibeng 845, DWAF, Schoeman Street, Pretoria

**Date:** Wednesday, 4 July 2007

**Time:** 14:00

#### **1: WELCOME, INTRODUCTION AND APOLOGIES**

---

Ms Nicolene Venter submitted the draft Agenda to the attendees and requested whether the draft Agenda could be accepted as the formal Agenda for the meeting. Consensus was reached by the attendees and it was agreed that the EIA and public participation processes will not be presented. The attendees was informed that all legal requirements regarding these process are being followed.

The attendees present introduced themselves and they were:

- Mr Ockie van den Berg, DWAF
- Mr Kevin Legge, DWAF
- Mr Jaap Kroon, DWAF
- Ms Sanet van Jaarsveld, DWAF
- Ms Chantal Matthys, DWAF
- Mr Sebenzile Vilakazi, Eskom
- Ms Joyce Mashiteng, Eskom;
- Ms Jo-Anne Thomas, Savannah Environmental
- Ms Nicolene Venter, Afrosearch

*Apologies:*

- Ms Geraldine Munro-Gundlingh, DWAF

#### **2: PURPOSE OF THE MEETING**

---

Ms Venter informed the attendees that an EIA for the proposed Steelpoort Integration Project was currently being undertaken. This proposed project is currently in the environmental scoping phase and requested DWAF's participation from the outset of the project. It was agreed that all parties present are aware of the EIA process and therefore it was not necessary to discuss the details at this meeting.

The purpose of the meeting is to:

- Provide the DWAF with information regarding the proposed project
- Request their participation
- Record comments, issues and concerns raised at the meeting regarding the proposed project

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

---

Mr Sebenzile Vilakazi informed the attendees that the power that will be generated by the proposed Pumped Storage Scheme (PSS) needs to be fed into Eskom national transmission grid. To be able to feed the power generated by the proposed PSS, Eskom is proposing to:

- Establish a 400kV HV yard at the proposed substation to be located at the PSS;
- Construct 4x400kV transformer bays for the generator transformers at the proposed substation;
- Construct 4x400kV feeder bays: 3 at the proposed new substation and 1 at Merensky Substation;
- Construct 2 transmission power lines to loop in and out of the Duvha-Leseding 400kV transmission power line into the proposed substation; and
- Construct a 400kV transmission power line between the new substation to be located at the PSS and the Merensky substation.

The detailed information and graphics presented by Mr Vilakazi are included within Appendix A.

Ms Jo-Anne Thomas, Savannah Environmental, gave a brief outline of the two proposed route alignment alternatives, the proposed substation location, loop-in and –out line to the Duvha-Leseding transmission power lines, and the alternatives for the proposed 400 kV transmission power line between the new substation at the PSS and the Merensky Substation.

### **4: DISCUSSION SESSION**

---

#### **4.1 General comments / Concerns**

- *Mr Kevin Legge* asked about Eskom's programme in terms of having the electricity in Eskom's transmission network.

*Mr Sebenzile Vilakazi* replied that it is planned to have the construction of the transmission power lines and new substation completed by 2009.

- *Mr Kevin Legge* suggested that Savannah Environmental needs to take note of the proposed township development in the vicinity of the De Hoop Dam for inclusion in their EIA application.

*Ms Thomas* acknowledged the comment.

- *Mr Ockie van den Berg* informed the project team that the Conservation Forest as approved by the Minister of Environmental Affairs, for the Steelpoort area will be Gazetted toward the end of the week (6 July 2007).

## **5.2 General environmental comments / concerns**

- *Mr Kevin Legge* informed the project team members that the rehabilitation potential in the area is low and that the flora in the study area has a higher importance rate than that of fynbos in the Cape Province. He indicated that the area falls within the Sekhukhune Centre of Plant Endemism.

*Comment noted.*

## **5.3 Environmental Impact Assessment process comments / concerns**

- *Mr Kevin Legge* suggested that a similar alignment to the transmission line alignment be considered for the proposed water pipeline required to link the De Hoop Dam and the PSS, such that the impacts on land in the area are minimised. It was enquired whether it was possible to construct the pipeline within the power line servitude.

*Ms Joyce Mashiteng* indicated that it would be possible to construct the water pipeline within the power line servitude.

- It was enquired how far in the scoping phase is the proposed Steelpoort Integration project.

*Ms Thomas* indicated that the project is approaching the end of the scoping phase. The desk-top reports are being compiled and it is envisaged that the draft ESR will be out for public review towards the end of July 2007.

- *Ms Sanet van Jaarsveld* mentioned that DWAF will first have to evaluate the pros and cons of (a) including the EIA for the proposed water pipeline with the EIA for the proposed Steelpoort Integration project, or (b) DWAF to appoint their own EIA consultants for the water pipeline project. It was agreed that a meeting be scheduled between DWAF and Eskom in order for the possibility of

constructing the water pipeline within the transmission line servitude to be discussed and an in-principle agreement to be reached.

Comment noted. Mr Sebenzile Vilakazi indicated that he would liaise with DWAF regarding arranging the required meeting.

#### **5.4 Route Alignment comments / concerns**

- *Mr Kevin Legge* asked what the width of the servitude is, and how close the proposed transmission power line will be to the R555.  
*Ms Thomas* replied that a 400 kV transmission power line requires a 55m servitude and it is currently being proposed to place the transmission power line approximately 100m away from the road fence.
- *Mr Kevin Legge* expressed his concern regarding the fact that there needs to be such a wide clearance from the R555 and suggested that all services in the area to be constructed as close as possible to one another to minimise any possible negative impact. He requested further information regarding the rationale for this clearance between the power line and the road.  
Comment noted. *Mr Vilakazi* indicated that he would request the technical motivation for this clearance requirement from Eskom.
- It was noted that DWAF would not support the proposed eastern alternative as this alignment passes through the Conservation Forest area. It was also noted that the proposed eastern deviation was not preferred as this alignment could still impact negatively on the Conservation Forest Area (in terms of visual impacts). A preference was therefore expressed for the western alternative.

#### **5.5 Servitude comments / concerns**

- *Mr Jaap Kroon* enquired whether farmers will still be able to proceed with their farming activities within Eskom's servitude.  
*Ms Thomas* replied that farming activities can proceed as normal, with restrictions that no fixed structures to be constructed under the power line. Centre pivot irrigation will, however, not be possible within the power line servitude.

#### **5.6 Heritage comments / concerns**

- *Mr Kelvin Legge* noted that there are a number of heritage sites located along the proposed eastern alternative. He noted that a large heritage site is located in the vicinity of the R555 where this realigned road rejoins the existing R555 downstream of the De Hoop Dam. He said that it may be

difficult for Eskom to obtain a permit from SAHRA to impact on this site as the site is considered significant from a heritage perspective.

*Ms Thomas* replied that the project team is aware of the heritage issues as Dr Johnny van Schalkwyk, the specialist involved in the heritage studies for the De Hoop Dam, is the heritage specialist on the EIA project team.

- *Mr Kevin Legge* informed the project team that the site where Lydenburg Clay masks was identified, could receive national status.

*Comment noted*

## **5.7 Tourism comments / concerns**

- *Mr Kevin Legge* informed the project team that there are no plans currently to construct any tourist chalets within the conservation area, and that planned activities involved only walking trails and research facilities. He added, however, that this conservation area was the start of a broader conservation initiative within the Steelpoort valley. He added that there has already been buy-in from the mines in the area to this broader conservation initiative in order to off-set the impacts which have occurred as a result of their activities.

*Comment noted.*

## **5.8 Social Impacts**

- *Mr Kroon* suggested a working initiative between the DWAF and Eskom as the DWAF will be constructing houses in Roosenekal for their construction team. He suggested that Eskom investigate the option of purchasing these houses from the DWAF for Eskom's permanent staff members who will be working at the PSS and substations. The services that will be laid out to these houses will remain, and part of the negotiations can include the provision of water by DWAF at a lower unit rate.

*Ms Joyce Mashiteng* acknowledged the suggestion and informed the attendees that the suggestion will be forwarded for discussion within Eskom.

## **5.9 DWAF's proposed water pipeline**

- *Mr Van den Berg* informed the project team that the proposed water pipeline was mentioned to the affected landowners in the area, but no official EIA process has yet been initiated. It was also mentioned that DEAT was approached for an *extension* of the EIA undertaken for the De Hoop Dam to include this pipeline, but this request was declined.

*Mr Kevin Legge* suggested that Savannah Environmental include the water pipeline issue in their reports.

This issue will be captured within the Issues and Response Report, which will be included in the draft ESR.

### **5.10 Pumped Storage Scheme (PSS)**

- *Mr Kevin Legge* enquired whether the PSS project has received its Environmental Authorisation.

*Mr Vilakazi* replied that the final EIR has been submitted to DEAT and it is anticipated that DEAT will issue their Environmental Authorisation by September 2007.

### **5.11 Communication**

- *Mr Jaap Kroon* suggested to the project team that Eskom and DWAF may need to work in close relationship to ensure that their various services are contained in as confined a servitude as possible to minimise any possible impact on landowners.

*Comment noted.*

- *Mr Vilakazi* informed the attendees that Eskom is in the process of arranging an open day with landowners of the farm Luiperdshoek and surroundings where Eskom's current two EIAs are being undertaken. From Eskom's side it is being proposed that representatives from Eskom Generation, Eskom Transmission and Eskom Distribution attend the open day. It was mentioned that it will be advisable if DWAF representatives are also in attendance at this open day in order to address any issues associated with the water pipeline. The purpose will be for the landowners to interact with Eskom and DWAF regarding the proposed developments in the area. It is also envisaged that the various environmental consultants may attend the open day.

*Mr Van den Berg* indicated, in principle, that DWAF might be represented by himself and Ms Van Jaarsveld (De Hoop Dam project), Mr Legge and Mr Kroon (De Hoop Dam conservation).

## **5: WAY FORWARD AND CLOSURE**

---

Ms Venter thanked everybody for their participation and questions. The attendees were informed that the next steps after the meeting are:

- Distribution of the draft minutes of the meeting. Attendees were requested to please read through the minutes and to provide any feedback in writing to the public participation office;

- notification of the public meeting; and
- hold the public meeting, envisaged in August 2007.

The meeting was closed at 15h30.

**APPENDIX A:  
PRESENTATION MATERIAL**

**STEELPOORT INTEGRATION PROJECT  
LIMPOPO PROVINCE**

**PUBLIC PARTICIPATION PROCESS**

**Focus Group Meeting**

Department of Water Affairs and Forestry

WEDNESDAY, 4 JULY 2007



**Agenda**

- Welcome, introduction and apologies
- Purpose of the meeting
- Background and technical aspects regarding the proposed Steelpoort Integration Project
- Discussion session
- The way forward and closure



## Purpose of Today's Meeting

- Provide I&APs with information regarding the proposed project
- Request your participation
- To record comments, issues and concerns raised

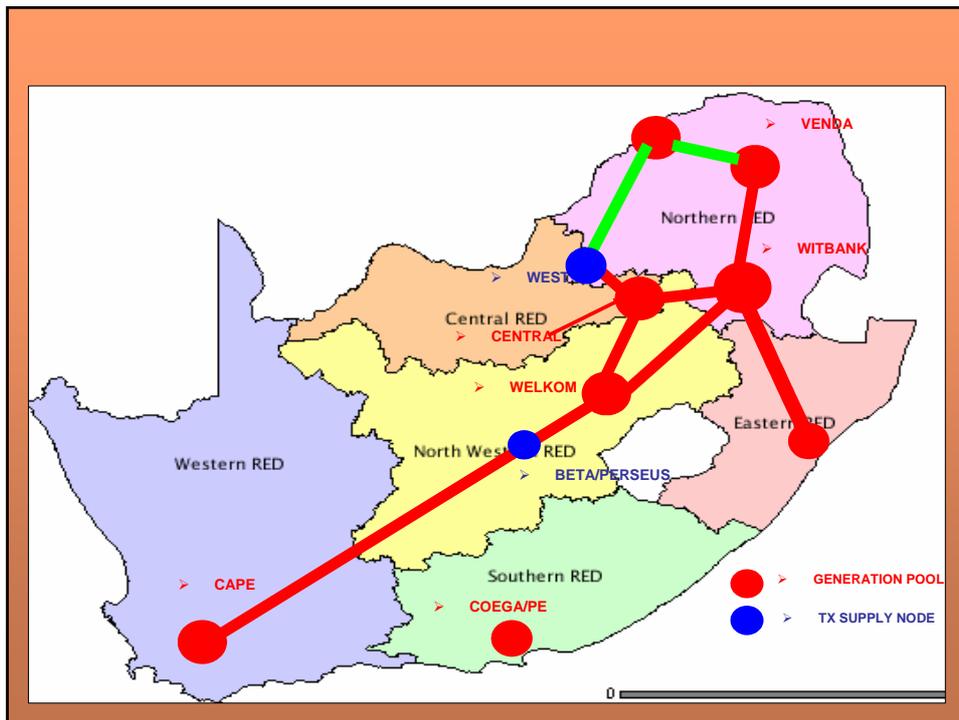


## Background and technical aspects regarding the proposed Steelpoort Integration Project

presented by

**Simon Vusumuzi Mkhathshwa –  
Eskom Transmission**

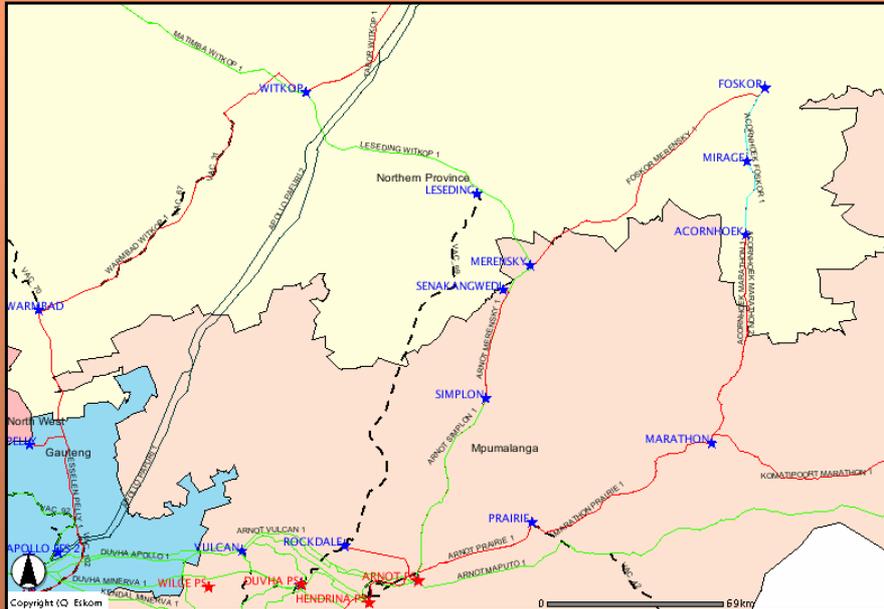




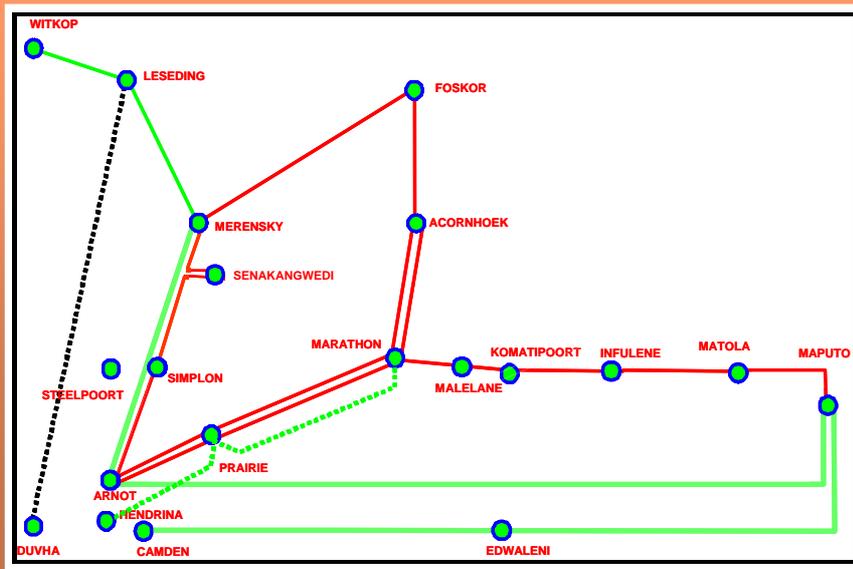
## PROJECT OVERVIEW

- Different energy sources
- Address reliability of supply
- Reduce operational costs
- Put generation close to load centres
- Close to where the energy sources are
- Adhere to the requirements by NERSA
- Look at technical and cost effective solution to integrate the Power Station

# GEOGRAPHICAL DIAGRAM



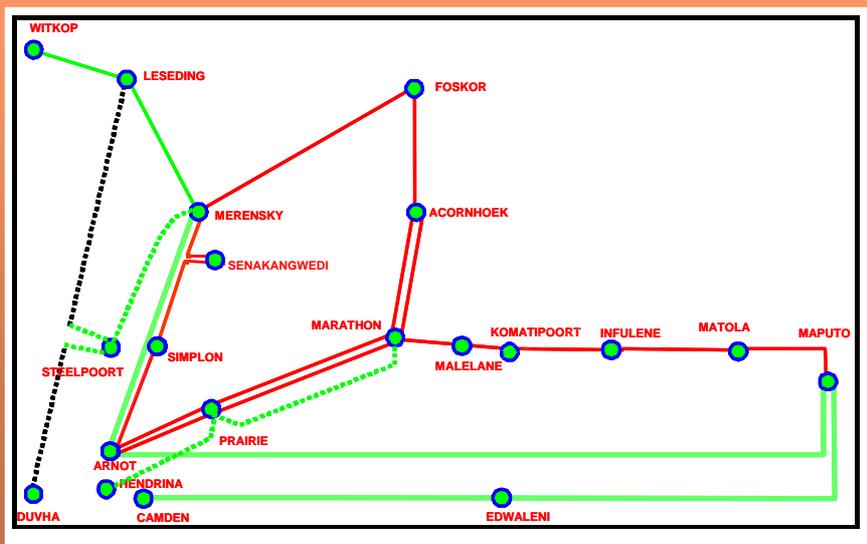
# GEOGRAPHICAL DIAGRAM



## PROJECT BACKGROUND

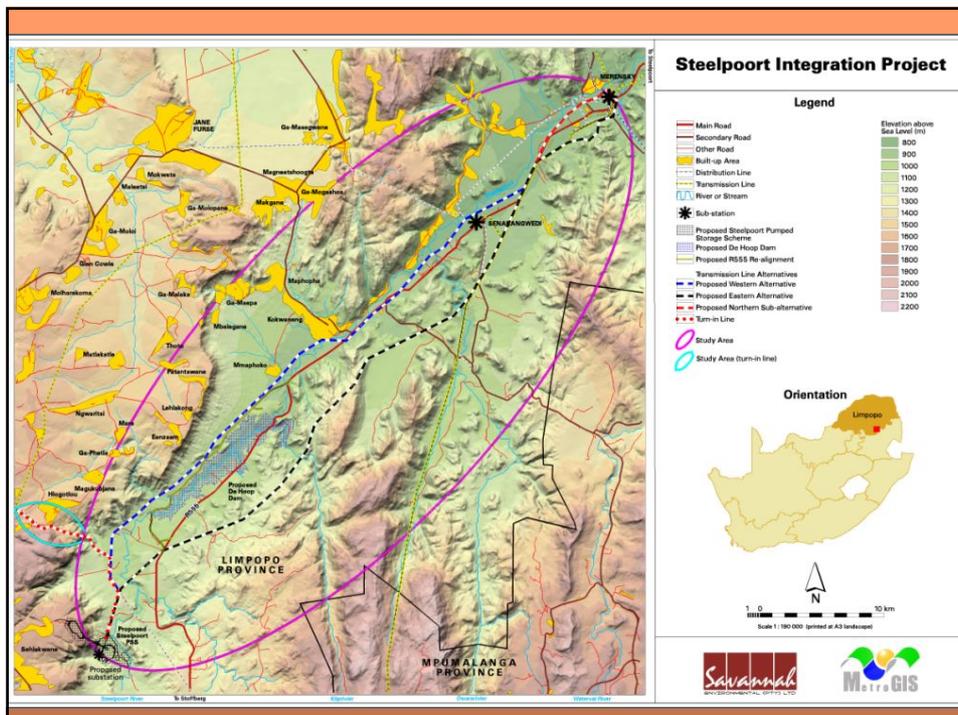
- **Steelpoort PSS Location**
  - Situated NW of Simplon substation
  - 50km from Merensky Substation, 40km from the Duvha-Leseding 400kV line
  - In the North East Grid close to the border of Mpumalanga & Limpopo Provinces
  - Lies between the new Duvha-Leseding & Arnot-Merensky 400kV lines
- **Number of units**
  - It will be a 4x380MW station
  - It will be 11/400kV station

## LOOP IN AND OUT DUVHA LESEDING 400kV LINE INTO STEELPOORT



## SCOPE OF WORK

- Establish a 400kV HV yard at proposed Steelpoort Substation
- Build 4x400kV transformer bays for the generator transformers
- Build 4x400kV feeder bays, 3 at Steelpoort and 1 at Merensky
- Build 2 loop in and out of Duvha-Leseding 400kV line into Steelpoort PSS
- Build proposed Steelpoort-Merensky 400kV line



# DISCUSSION SESSION



## The Way Forward (scoping phase)

	2007				
	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER (onwards)
Focus group meetings	✓	✓			
Key stakeholder workshop		✓			
Public meeting			✓		
Draft ESR (public review)			✓	✓	
Final ESR & plan of study for EIA - authorities					✓



THANK YOU



**Steelport Integration Project**

**Legend**

- Main Road
- Secondary Road
- Other Road
- Backstop Area
- Dam Backstop Line
- Transmission Line
- River or Stream
- ★ Schematization
- ▭ Proposed Steelport Pumped Storage Scheme
- ▭ Proposed De Hoop Dam
- ▭ Proposed R635 Dev. alignment
- ▭ Proposed Western Alternative
- ▭ Proposed Eastern Alternative
- ▭ Proposed Western Sub-alternative
- ▭ Proposed Eastern Sub-alternative
- R 635 Turnpike Line
- Study Area
- Study Area (Current Limit)

**Topographic elevations (Sea Level 1972)**

800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200

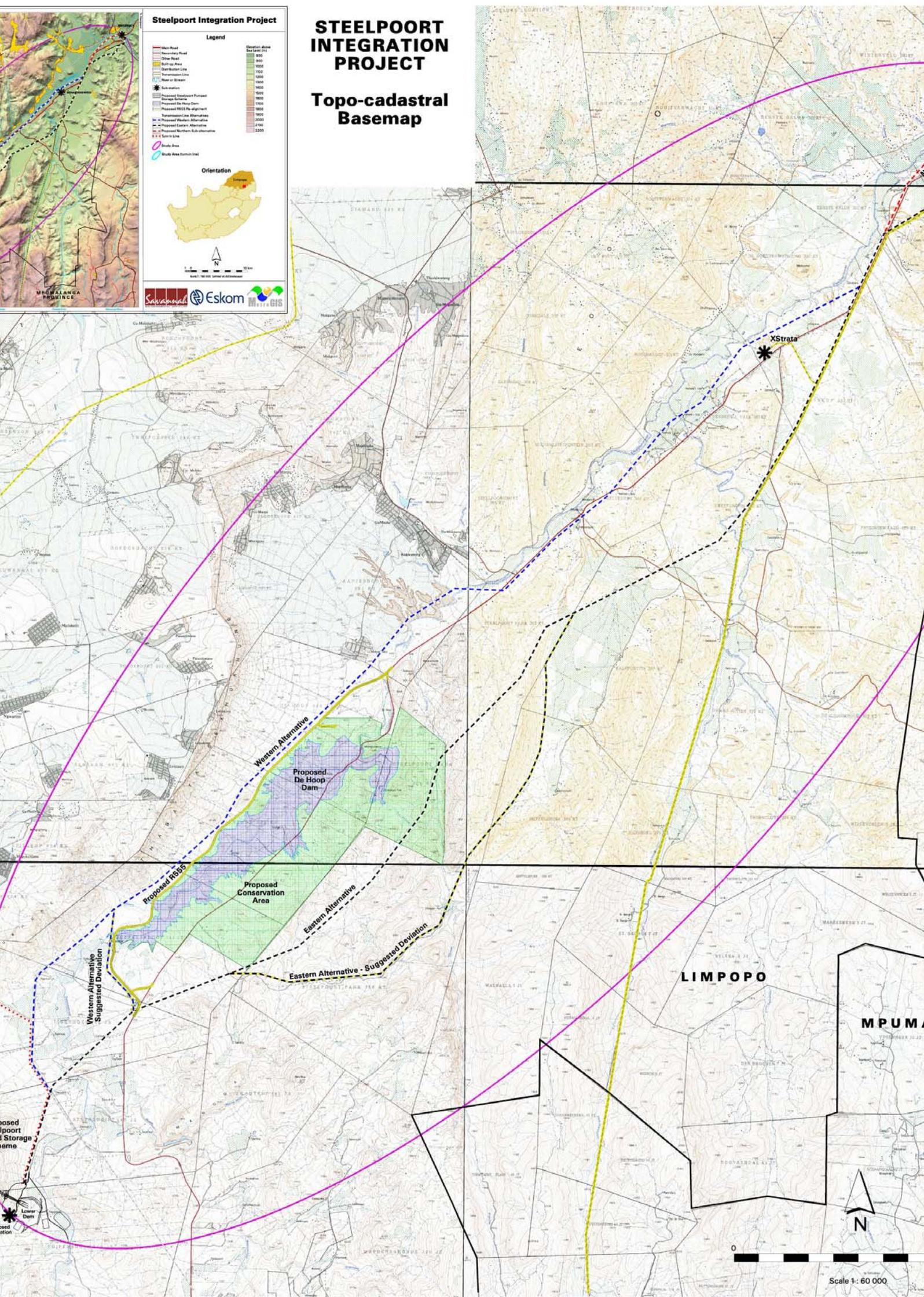
**Orientation**

Scale: 1:60 000

Logos: Sasol, Eskom, M. GIS

# STEELPOORT INTEGRATION PROJECT

## Topo-cadastral Basemap



LIMPOPO

MPUM



Scale 1: 60 000

**APPENDIX B:  
ATTENDANCE REGISTER**

**DWAF FOCUS GROUP MEETING: WEDNESDAY, 4 JUNE 2007 AT 14:00 - 16:00**

**Attendees**

Mr Ockie van den Berg	DWAF
Mr Jaap Kroon	DWAF
Mr Kelvin Legge	DWAF
Ms Sanet van Jaarsveld	DWAF
Ms Chantal Matthys	DWAF
Ms Joyce Mashiteng	Eskom
Mr Sebenzile Vilakazi	Eskom
Ms Jo-Anne Thomas	Savannah Environmental
Ms Nicolene Venter	Afrosearch

**Apologies**

Ms Geraldine Munro-Grundlingh	DWAF
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Afrosearch (Pty) Ltd  
P O Box 13540  
Hatfield 0028  
Tel (012) 362 2908  
Fax (012) 362 2463

Mr Darrin Morrison  
Property Manager  
Eastern Platinum  
PO Box 10343  
DALVIEW  
1455

26 July 2007

Ms Michele Kilbourn Louw  
Environmental Specialist  
Eastern Platinum  
PO Box 2258  
RIVONIA  
2028

Dear Mr Morrison and Ms Kilbourn Louw

**ENVIRONMENTAL IMPACT ASSESSMENT: PROPOSED STEELPOORT INTEGRATION PROJECT: LIMPOPO PROVINCE**

Thank you for meeting with Savannah Environmental on Monday, 9 July 2007 regarding the proposed Steelpoort Integration project.

A brief overview regarding the proposed project was presented by Ms Thomas and the two proposed route alignment alternatives were put on the table for discussion. The following key points were captured during the discussions:

1. Ms Thomas, for information purposes, mentioned that the Department of Water Affairs and Forestry's conservation area within this project's study area has been Gazetted on Friday, 6 July 2007 in terms of the National Forest Act. This area is therefore protected.
2. The following constraints on Eastern Plats property located on the proposed western route alignment alternative were indicated by yourselves:
  - the area earmarked for underground mining activities;
  - the area earmarked for the tailing dam;
  - the area proposed for the portals; and
  - the site identified for the contractor's camp and hostel
3. Three proposed route alternatives were suggested:
  - an alignment which joins the eastern and western alternatives in the north of the study area;
  - an alignment which passes to the west of the Steelpoort River in the north of the study area (following a gravel road and existing powerline); and
  - an alignment which follows the R555 alignment

Note was taken that the alignment along the R555 would have a number of challenges due to the presence of several other servitudes (pipelines and power lines) in this vicinity. This alignment may also still impact on Eastern Plats' planned tailings dam system, depending on the available space.

5. The project team was informed that there are various platinum rights registered in the area. Details regarding these platinum rights were not available.

Comment was noted. The public participation consultants will attempt to source the information.

6. It was also mentioned that there is a chrome / platinum mine (Dwarsrivier Mine) that might be affected by the eastern alignment alternative. Access to Dwarsrivier Mine is from the road to the Tweefontein Mine.

Comment was noted.

7. The project team was informed that there are mainly opencast mining activities on the eastern alternative and mainly underground mining activities on the western alternative.

Comment was noted.

8. It was mentioned that some of the land on the western alignment alternative has been allocated to a community through the Government's agricultural development initiative.

Comment was noted.

9. It was agreed that Afrosearch will request the study area map in a mutually acceptable format for Samancor to plot their expansion plans thereon and once completed, Samancor will forward copies to Afrosearch.

Information in .dxf format has been supplied to Mr Johan Fernhout of Samancor on 5 July 2007.

We would like to inform you that all comments received regarding the proposed Steelpoort Integration project will be captured in the draft Environmental Scoping Report (ESR). The draft ESR will be made available for public review and you will be notified of the availability of the report in writing.

Please accept herewith our appreciation for participating in the EIA process and for being part of the public participation process for this proposed project.

Kind regards



NICOLENE VENTER  
PUBLIC PARTICIPATION CONSULTANT  
STEELPOORT INTEGRATION PROJECT

## **CONSULTATION WITH TRADITIONAL/TRIBAL COUNCILS**

### **Introduction:**

The proposed power lines will cross through a number of farms that are owned by different individuals, government departments and tribal councils. Tribal villages in the study area are concentrated mainly on the western side of Steelpoort (Tubatsi) River and the Stofberg – Steelpoort road (R555). The proposed western route alternative crosses through the farms that are owned or claimed by tribal authorities. Farms that are potentially affected by the proposed alignment were discussed with the tribal authorities visited and are listed in the minutes.

The minutes that reflect on the discussions of these meetings are included here under.

### **Confirmation of the Minutes:**

Minutes of each meeting held were forwarded to the respective Traditional council offices for consideration in the council meetings. It was agreed at the meetings that if no response is received from the traditional authorities after fourteen days of posting it will be assumed that the minutes are accepted as a correct record. At the time of compiling the Scoping Report no response has been received. Any comment or correction to the minutes can still be made during the review period of the Scoping Report because the minutes will be included in the report.

### **Proceedings at the Meetings**

The meetings held with Traditional Councils were attended by Eskom representative, the consultants and members of the Traditional Council which in most cases included the traditional leader of that particular area/village being visited.

Presentations were made in Sepedi (North Sotho) and attendees were encouraged to speak the language of their choice.

Background Information Documents were distributed at each meeting and were used as a guide for presentation. Topics mainly discussed included:

- Overview of the proposed project
- Proposed construction schedule/timeframes
- The public Participation Process
- Open Discussion: Comments and issues of concern regarding the project and map discussion

- Agreement on the consultation process to be followed in the tribal area and the way forward.

### **Open Discussions and the Way Forward**

During the discussions members were always given the opportunity to ask questions, give comments and raise issues of concern. Generally issues raised are:

- The capacity of the project to create employment opportunities.
- Target dates for construction and operation
- What happens if there is a need for the relocation of people whose houses will be in the proposed corridor?
- Compensation procedure for the required servitude.

### **Comments on Key Points Raised**

The traditional authorities in the study area accept and welcome the proposed project. The presence of an Eskom representative at the meetings to respond to questions raised during the open discussion gave confidence to the leaders of the area about the transparency of consultation regarding the proposed project.

**It emerged during the consultation that in some cases more than one claimant have laid a claim to one and the same farm. When questioned about such situations it was advised that Eskom should try to involve the land claim commissioner and all claimants.**

## **STEELPOORT INTEGRATION PROJECT**

### **RECORD OF KEY POINTS DISCUSSED**

*(NDEBELE TRADITIONAL AUTHORITY)*

**27 JUNE 2007 08:30 – 11:00**

### **NDEBELE TRADITIONAL AUTHORITY PREMISES**

#### PEOPLE MET:

Mr. Moses Mahlangu of Afrosearch attended a briefing session on the Eskom Transmission Steelpoort Integration Project with Ndebele Traditional Authority. The Traditional Authority [TA] was led by Chief P. J. Mahlangu and the chairperson of the TA, Mr. P. T. Mahlangu.

Chief Mahlangu welcomed the consultant, Mr. Moses Mahlangu [MM] and indicated that MM requested for a meeting with the TA to present the project that is proposed by Eskom Transmission in the area. Chief Mahlangu suggested that MM explain the project to the chairperson of the TA outside the seating of the Ndebele TA. The chairperson of the TA was then mandated to decide on whether the matter warrants a hearing from the TA.

Twelve members of the TA were present and the attendance register was not signed because the formal meeting did not take place.

#### DISCUSSION BETWEEN MM AND MR. P. T. MAHLANGU [PTM]

- MM explained the project using the BID and highlighted the need for Public Consultation. Copies of the BID were given to PTM to distribute to members of TA.
- PTM undertook to explain the project to the TA and agreed that it was important that the TA be addressed on the project.
- PTM requested MM to make a formal request for a meeting to present the project. It was suggested that Eskom be represented at the meeting.

#### WAY FORWARD

- MM will consult with Eskom and find a suitable date for a meeting. A formal request for a meeting will be forwarded to PTM.
- PTM will introduce the project to the TA and the consultant will come and give full presentation on the date to be agreed on.

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Bahlakwana Ba Malekane TA: 29 June 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Bahlakwana Ba Malekane Traditional Authority to introduce the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was said.

This record will be made available to the Traditional Authority members for approval as correct record and then included in the scoping report.

<b>ITEM</b>	<b>PRESENTATION</b>
WELCOME	<ul style="list-style-type: none"> <li>• Kgosi Malekane welcomed the Public Consultation Team that was represented by Mr. Moses Mahlangu; Mr. Solly Mohlala and Mr. Sebenzile Vilakazi.</li> <li>• Kgosi Malekane apologized that some members of the council could not attend as they were engaged with other matters in the community.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• To introduce and explain the proposed Eskom Transmission power lines to be constructed in the area for the integration of PSS to the transmission grid.</li> <li>• To afford the traditional council an opportunity to comment and raise issues of concern regarding the proposed project.</li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu explained the Eskom Transmission Integration project and the relevant EIA process to be followed for the authorization application. He emphasized that it is required by law that an impact assessment be conducted before a project of this nature could be constructed. Public consultation is part the EIA process.</li> <li>• An overview of the project was explained using the BID and the Map.</li> <li>• Farms that are potentially affected by the project were considered and the council was asked to help identify those that belong to the Bahlakwana Ba</li> </ul>

ITEM	PRESENTATION
	Malekane Traditional Authority.
NEIGHBORING STAKEHOLDERS	<ul style="list-style-type: none"> <li>• The following stakeholders were identified as the potentially affected parties as they owned farms in the study area. <ul style="list-style-type: none"> <li>○ Kgosi Magolego – Batlokwa Ba Magolego TA <b>(0767903123)</b></li> <li>○ Kgosi Masha – Phatane TA <b>(0826403920 or 0724691179)</b></li> <li>○ Kgosi Rantho – Bahlakwana Ba Rantho TA <b>(0722870209)</b></li> <li>○ Kgosi Mampuru – Mampuru TA <b>(0796742982 or 0763866050)</b></li> <li>○ Kgosi Phasha – Roka Phasha Phokwane TA <b>(0727815536)</b></li> <li>○ Tshehla Trust – The Secretary Mr. S Mmusi <b>(079 785 7787)</b></li> <li>○ Regional Land Claim Commissioners – Limpopo and Mpumalanga Provinces</li> </ul> </li> </ul>
MPROMPTU VISITS	<ul style="list-style-type: none"> <li>• After the meeting with Kgosi Malekane and his council, using the leads given for the neighboring potentially affected stakeholders the following visits were made: <ul style="list-style-type: none"> <li>○ Kgosi Magolego was visited and found to have attended other meeting in Skuurnot Kgosigadi Magolego advised that formal meeting be arranged where the council will be addressed.</li> <li>○ Kgosi Masha was met with a few members of his council. They indicated that they are not opposed to the project but recommended that the consultant come with Eskom representative for a presentation. The traditional council usually meets on Wednesday and will appreciate if the meeting is arranged for a Wednesday date.</li> <li>○ Kgosi Rantho indicated that his area need development and therefore will not object to the project. His council will convene for a presentation at the time that will be convenient to the study team.</li> <li>○ An employee found at Tshehla Trust premises gave the consultants the contact details of the secretary and advised that he be contacted to arrange for a meeting</li> </ul> </li> </ul>
POTENTIALLY AFFECTED FARMS	Potentially affected farms along the proposed

ITEM	PRESENTATION
	<p>alternative corridors were discussed and identified on the map as follows:</p> <ul style="list-style-type: none"> <li>○ <b>Kgosi Malekane –</b> <ol style="list-style-type: none"> <li>1. Tigerhoek 140JS</li> <li>2. Steelpoort Park 366KT</li> <li>3. De Hoop (Claimed)</li> <li>4. Uitvlig</li> <li>5. Steelpoortdrift (Ptn)</li> </ol> </li>   <li>○ <b>Kgosi Masha –</b> <ol style="list-style-type: none"> <li>1. Aapjesboom (Ptn)</li> <li>2. Belvedere (Claim)</li> </ol> </li>   <li>○ <b>Kgosi Rantho –</b> <ol style="list-style-type: none"> <li>1. Kenedy Vale</li> <li>2. Steelpoort Park (Ptn)</li> </ol> </li>   <li>○ <b>Kgosi Magolego –</b> <ol style="list-style-type: none"> <li>1. Steelpoort Park (Ptn)</li> <li>2. Aapjesboom (Ptn)</li> </ol> </li>   <li>○ <b>Kgosi Mampuru –</b> <ol style="list-style-type: none"> <li>1. Boschkloof (Stretches to the road)</li> </ol> </li>   <li>○ <b>Kgosi Phasha –</b> <ol style="list-style-type: none"> <li>1. De Goedverwacht (not sure about the border)</li> </ol> </li>   <li>○ <b>Tshehla Trust –</b> <ol style="list-style-type: none"> <li>1. Steelpoort Parl (Ptn)</li> </ol> </li> </ul>

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
<p>It will be advisable for the PIP Team to consult the land claim commissioners in Limpopo and Mpumalanga to confirm the progress made in processing the claims.</p> <p>In some instances two different stakeholders lay claim to the same</p>	<p>Comment is noted and effort will be made to inform the land claim commissioners about the projects and elicit their comments.</p>

farm.	
The traditional council will only be able to convene a community (mass) meeting to present the project after a preferred corridor is selected. The study team is encouraged to come up with a preferred corridor that can be discussed at the community meeting.	A preferred corridor will be in the Scoping Report and this can then be discussed during the review/comment period.
How will compensation be carried out, especially if people are to be relocated?	<b>Sebenzile Vilakazi</b> explained that relocation is done in consultation with the traditional council and usually people are given houses of good quality.
Kgosi Malekane proposed that the issue of relocation and compensation for servitude be considered after a preferred corridor has been identified.	Comment noted and accepted. Eskom negotiator will handle this part.
<b>Sebenzile Vilakazi</b> asked if the traditional council consider the municipality SDF/SDP/IDP when planning for their infrastructure and allocating sites	Kgosi Malekane said that site allocation is done in consultation with municipality. The slow response of government to land claim tend to encourage land invasion and squatter development.
Heritage sites and other places used for cultural rituals will be identified after choosing the preferred corridor.	The offer to help is appreciated; the technical specialists will be advised to consult the traditional council for support especially during the walkthrough stage.
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>• Full reports to be submitted to the traditional council for comment. (Scoping and EIR).</li> <li>• The council will consider forming a subcommittee that will be responsible for all matters pertaining to the Eskom Transmission PSS Integration.</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• Kgosi Malekane thanked the consultants, Eskom and council members for attending the meeting. A closing prayer was led by Clr. Pietros Tau.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Phathane Tribal Authority: 11 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Phathane Tribal Authority to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the Tribal Authority members for approval as correct record and then included in the scoping report.

<b>ITEM</b>	<b>PRESENTATION</b>
WELCOME	<ul style="list-style-type: none"> <li>• Kgosi Masha welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom Transmission Steelpoort Integration Project.</li> <li>• There was no agenda for the meeting; the consultant team was requested to proceed with the presentation.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• Mr. Solly Mohlala, <b>[SM]</b> led the meeting with an opening prayer</li> <li>• <b>SM</b> thanked the Tribal Authority members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed in the tribal area and the way forward.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> </ul> </li> </ul>

ITEM	PRESENTATION
	<ul style="list-style-type: none"> <li>o The different timeframes applicable to the project.</li> <li>• Working on the map, farms to be affected by the project were identified</li> </ul>

QUESTIONS, ISSUES & COMMENTS RAISED ( <i>Not linked to specific individuals</i> )	RESPONSE
Kgosi Masha commented that the farm Steelpoort Drift is claimed by Kgosi Malekane but it actually belongs to Kgosi Masha.	Comment is noted and Eskom will be sensitized to take this into account during negotiation phase.
What is represented by Nakangwedi on the map?	This is an existing substation that mainly supplies electricity to mines and the smelter in the surrounding area.
The Phathane Tribal Authority is not opposed to the transmission power lines being constructed through their land. Eskom is requested to maintain fair and transparent consultation throughout up until compensation for servitude and relocation are concluded. The safety requirements relating to the coexistence of the line and the community is understood by the council and will assist in relocating people if necessary. Relocation of families might be necessary at the neighboring village called "Maseven". This village is under Kgosi Magolego. The PIP Team is encouraged to consult the neighboring Traditional Authorities.	Mr. Vilakazi explained the process that will be followed to negotiate and compensate for servitude and the families that will be relocated if there is a need.
The Phathane TA proposes the formation of a committee that will include the different categories of the community; especially women and youth. The committee will liaise with the Environmental Control Officer during construction phase.	The comment is noted. The proponent is encouraged to consider the proposal and give feedback to the Phathane TA during negotiation.
The Phathane Tribal Authority would like to see the establishment of a committee that will include	Comment noted. The idea was tested with other Traditional Authorities in the area and the responses were mixed in that other TA thought it was a good

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> ( <i>Not linked to specific individuals</i> )	<b>RESPONSE</b>
representatives from all traditional authorities in the study area. This committee will look after all issues and activities that relate to the proposed project and give feedback on the reports that will be released at different stages of the project. The committee can always meet at a neutral venue.	idea and others expressed dislike of participating in such a committee.
When will the projects be constructed and what job opportunities will be generated?	<b>Mr. Vilak.azi</b> outlined the expected timeframes for the construction of the Pump Storage Scheme, the transmission lines and the substation. The construction of the PSS will start before the other two because the EIA study is completed, currently waiting for the ROD.
How far is the power line servitude from the road servitude where the two appears to be parallel and close to each other?	Mr. Vilakazi mentioned that the western alignment is close to the road but there are prescribed specifications for the separation distance between the two servitudes. The alignment of the servitude for the proposed power line will have to meet the requirements.
How is the community going to be compensated for allowing Eskom to register servitude against their farms? If there is any money to be paid, it must be paid into the community trust.	Mr. Vilakazi explained that for servitude compensation: <ul style="list-style-type: none"> <li>o Payment is based on the size (hectares) of the servitude.</li> <li>o Market related value as determined by an independent valuer is paid.</li> <li>o A once of payment is paid to the registered owner of the farm.</li> <li>o Eskom does not pay monthly or annual royalties.</li> </ul>
Eskom wanted to know about the farms that are under land claim. If so, are such farms claimed by one TA or several TAs.	Kgosi Masha commented that in some case different stakeholders lay claim to the same farm. I t will therefore be advisable to contact the land claim commissioners from Limpopo and Mpumalanga provinces. It is also recommended that Eskom arranges a meeting of all claimants, land claim commissioners and Eskom representatives. Some claims have been gazetted and no development can take place on such farms, hence an urgent need for a meeting. The contact persons are Mr. Mashangoane or

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
	Mr. Themba Nzimande at: <ul style="list-style-type: none"> <li>○ Tel: (013) 755 8100</li> <li>○ Fax: (013) 752 3859</li> </ul>
Are there job opportunities for the local communities at the PSS?	The PSS project belongs to Eskom Generation, Mr. Vilakazi represent Eskom Transmission. Employment strategy to be followed by Eskom Generation will be explained in the report.
Heritage sites and other places used for cultural rituals will be identified after choosing the preferred corridor.	The offer to help is appreciated; the technical specialists will be advised to consult the traditional council for support especially during the walkthrough stage.
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>• Minutes of the meeting will be forwarded to the council for approval. If no comment is received within fourteen days of posting it will be assumed that the council accept the record as a true reflection.</li> <li>• Full reports (as requested by the Phathane TA) to be submitted to the traditional council for comment. (Scoping and EIR).</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• Kgosi Masha thanked the consultants, Eskom and council members for attending the meeting. A closing prayer was led by Mr. Solly Mohlala.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Bahlakwana ba Rantho Tribal Authority: 11 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Bahlakwana ba Rantho Tribal Authority to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the Bahlakwana ba Tribal Authority members for approval as correct record and then included in the scoping report.

ITEM	PRESENTATION
WELCOME	<ul style="list-style-type: none"> <li>• Kgosana Rantho welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom Transmission Steelpoort Integration Project.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• Mr. Solly Mohlala, [SM] led the meeting with an opening prayer</li> <li>• SM thanked the Tribal Authority members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed in the tribal area and the way forward.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> <li>○ The different timeframes applicable to the project.</li> </ul> </li> <li>• Working on the map, farms to be affected by the</li> </ul>

	<p>project were identified. The two affected farms are <b>Steelpoort Park (Ptn. 1; 2 &amp; 3) and Aapjesboom.</b></p> <ul style="list-style-type: none"> <li>• Farms <b>De Hoop (Ptn 2 &amp; 3) and Kennedy Vale</b> are claimed</li> </ul>
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<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
<p>Kgosana Rantho commented that the council is not opposed to development but is asking for clarification on:</p> <ul style="list-style-type: none"> <li>o Compensation for servitude</li> <li>o Compensation for relocation</li> <li>o The use of local labor during construction phase.</li> </ul>	<p>Mr. Vilakazi explained the process of servitude negotiation and compensation for servitude and relocation. An independent valuer is used to determine the amount to be paid. In case of relocation, the affected families are given quality housing.</p> <p>Job opportunities will be available but very limited because construction companies use equipments that requires experience and training. Employment will not be made directly by Eskom.</p>
<p>Will the Bahlakwana ba Rantho TA participates in a committee of TAs in the study?</p>	<p>Kgosana Rantho mentioned that they will prefer to consult and handle issues that affect their farms separate from other TAs. The Bahlakwana ba Rantho TA will not participate in the envisaged committee.</p>
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>• Minutes of the meeting will be forwarded to the council for approval. If no comment is received within fourteen days of posting it will be assumed that the council accepts the record as a true reflection.</li> <li>• Executive summaries of the reports to be submitted to the traditional council for comment. (Scoping and EIR).</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• Kgosana Rantho thanked the consultants, Eskom and council members for attending the meeting. A closing prayer was led by Mr. Solly Mohlala.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Batlokwa Tribal Authority: 11 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Batlokwa Tribal Authority to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the Tribal Authority members for approval as correct record and then included in the scoping report.

ITEM	PRESENTATION
WELCOME	<ul style="list-style-type: none"> <li>• The chairperson of the Traditional Council welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom .Transmission Steelpoort Integration Project.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• Mr. Solly Mohlala,[SM] thanked the Tribal Authority members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed in the tribal area and the way forward.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> <li>○ The different timeframes applicable to the project.</li> </ul> </li> </ul>

ITEM	PRESENTATION
	<ul style="list-style-type: none"> <li>• Working on the map, farms to be affected by the project were identified. The two affected farms are <b>Steelpoort Park 366KT (Ptn.) and Aapjesboom 884KS.</b></li> <li>• Farm <b>Kennedy Vale 361KT</b> is claimed by Kgosi Rantho and Kgosi Magolego.</li> </ul>

QUESTIONS, ISSUES & COMMENTS RAISED ( <i>Not linked to specific individuals</i> )	RESPONSE
<p>The council did not have issues and concerns to raise but commented as:</p> <ul style="list-style-type: none"> <li>○ The council welcomes development in the area. The approach adopted by Eskom of consulting during the planning stage is welcomed.</li> <li>○ The route that is parallel to the road, i.e. the western alignment is preferred.</li> <li>○ Eskom is requested to note that there is a cemetery below the dam wall.</li> <li>○ The PIP Team and Eskom are advised to consult the neighboring traditional authorities.</li> </ul>	<p>Mr. Vilakazi explained the following:</p> <ul style="list-style-type: none"> <li>○ Process of servitude negotiation and compensation for servitude and relocation. An independent valuer is used to determine the amount to be paid. In case of relocation, the affected families are given quality housing.</li> <li>○ Job opportunities will be available but very limited because construction companies use equipments that requires experience and training. Employment will not be made directly by Eskom.</li> <li>○ Grazing under the power lines is allowed but no building structures are allowed in the servitude.</li> <li>○ All negotiations are usually handled after receiving an ROD.</li> <li>○ During construction an ECO will be employed to ensure proper communication and that construction follow the EMP.</li> </ul>
<p>Will the Batlokwa TA participate in a committee of TAs in the study?</p>	<p>Kgosi Magolego mentioned that they will prefer to consult and handle issues that affect their farms separate from other TAs. The Batlokwa TA will therefore not participate in the envisaged committee.</p>
<p><b>WAY FORWARD</b></p>	<ul style="list-style-type: none"> <li>• The community in the village will be informed by the Traditional Council about the proposed development in the area.</li> </ul>

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
	<ul style="list-style-type: none"> <li>• Minutes of the meeting will be forwarded to the council for approval. If no comment is received within fourteen days of posting it will be assumed that the council accepts the record as a true reflection.</li> <li>• Executive summaries of the reports to be submitted to the traditional council for comment. (Scoping and EIR).</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• The chairperson of the traditional council thanked the consultants, Eskom and council members for attending the meeting and declared the meeting closed.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Tshehla Trust: 11 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Tshehla Trust to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the Tshehla Trust members for approval as correct record and then included in the scoping report.

ITEM	PRESENTATION
WELCOME	<ul style="list-style-type: none"> <li>• The chairperson, Mr. Mmushi welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom Transmission Steelpoort Integration Project.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• <b>SM</b> thanked the Tshehla Trust members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed to keep members of the trust informed about the planning process and the construction of the proposed transmission lines through the farm De Hoop.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> <li>○ The different timeframes applicable to the project.</li> </ul> </li> </ul>

ITEM	PRESENTATION
	<ul style="list-style-type: none"> <li>Working on the map, farms to be affected by the project were identified. The farm belonging to Tshehla Trust that will be affected is De Hoop 885KT.</li> </ul>

QUESTIONS, ISSUES & COMMENTS RAISED ( <i>Not linked to specific individuals</i> )	RESPONSE
How wide is the power line servitude?	The 400kV Transmission power lines requires 55m wide servitude.
Tshehla Trust understands that the road is going to be fenced. Eskom is requested to consider the fencing of the road when planning the route. If both the road and the power line servitude are fenced, this will greatly reduce the grazing space, especially where the two infrastructures get close to the mountain.	The comment is noted. Eskom servitude is not going to be fenced and there is a prescribed minimum distance required between the road and power line servitude.
Tshehla Trust is not opposed to the proposed western alignment. The eastern alignment does not affect the trust.	Comment noted.
When is the project going to start?	Mr. Vilakazi explained the different timeframes for the construction of PSS, power lines and substation as outlined in the BID.
Eskom asked about heritage sites and graves in the farm.	Members of Tshehla Trust committee are not aware of heritage and cultural sites that might be a problem towards the construction of the proposed project. The adjacent farm, De Hoop 885 is owned by Marius Botha and farm workers on that farm can indicate the graves in that farm.
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>Minutes of the meeting will be forwarded to members of the trust for approval. If no comment is received within fourteen days of posting it will be assumed that the council accepts the record as a true reflection.</li> <li>Executive summaries of the reports to be submitted to the trust members for comment. (Scoping and EIR).</li> </ul>

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• The chairperson of the trust, Mr Mmushi thanked the consultants, Eskom and council members for attending the meeting and declared the meeting closed.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Roka Phasha Phokwane Tribal Authority: 12 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Roka Phasha Phokwane Tribal Authority to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the Roka Phasha Phokwane Tribal Authority members for approval as correct record and then included in the scoping report.

ITEM	PRESENTATION
WELCOME	<ul style="list-style-type: none"> <li>• Kgosi Phasha welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom Transmission Steelpoort Integration Project.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• Mr. Solly Mohlala, [SM] introduced the PIP Team and Eskom</li> <li>• SM thanked the Tribal Authority members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed in the tribal area and the way forward.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> <li>○ The different timeframes applicable to the project.</li> </ul> </li> </ul>

ITEM	PRESENTATION
	<ul style="list-style-type: none"> <li>Working on the map, farms belonging to Kgosi Phasha in the study area were identified as <b>Eerste Geluk 322KT and De Goedverwacht 332KT</b>. Mr. Vilakazi commented that though the farms are not affected by the currently proposed routes alignments, in future they might be affected.</li> </ul>

QUESTIONS, ISSUES & COMMENTS RAISED ( <i>Not linked to specific individuals</i> )	RESPONSE
<p>Kgosi Phasha commented that though the council is not opposed to development but the local people will see construction work going on in their neighborhood and will like to benefit if there are job opportunities. Eskom is requested to come and give presentation to the community. The traditional leadership will help set up a public meeting in the village.</p>	<p>Mr. Vilakazi explained that job opportunities will be available but very limited because construction companies use equipments that requires experience and training. Employment will not be made directly by Eskom.</p> <p>The timeframes for construction were discussed using the BID as a guide.</p> <p>The process followed in servitude negotiation, relocation of affected families, the involvement of ECO and the establishment of construction camps was discussed and explained by Mr. Vilakazi.</p>
<p>The council was requested to explain the boundaries of their farms near the river and the road R555</p>	<p>The river is the boundary. Farms on the other side of the river belong to the mines</p>
<p>What is the safety risk of the power line that might snap and fall to the ground? Does the area around get induced with electricity?</p>	<p>If the soil is wet it can carry electricity and be dangerous to people walking around</p>
<p>It is expected that different specialists conducting studies in the area will report to the office of tribal authority before driving around the area.</p> <p>There are no grave sites that are expected to be found along the existing line. To avoid problems construction camp sites must be done in consultation with the tribal authority</p>	<p>Comments noted. The specialists working in the technical team will be made aware about the importance of reporting their presence in the area at the tribal authority offices.</p>

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>• Minutes of the meeting will be forwarded to the council for approval. If no comment is received within fourteen days of posting it will be assumed that the council accepts the record as a true reflection.</li> <li>• Full reports are requested on electronic format. (Scoping and EIR).</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• Kgosi Phasha thanked the consultants, Eskom and council members for attending the meeting and declared the meeting closed.</li> </ul>

**ESKOM TRANSMISSION  
STEELPOORT INTEGRATION PROJECT**

**MINUTES OF TRADITIONAL AUTHORITY MEETING  
(Ba Bina Noko ba Mampuru Tribal Authority: 12 July 2007)**

**COMMENTS**

The minutes as recorded here under are the reflection of the presentation and discussion of the meeting held with Kgosi Mampuru TA to give presentation on the above project. The minutes are not recorded as verbatim pronouncement but merely as summary of what was discussed.

This record will be made available to the m Ba Bina Noko ba Mampuru Tribal Authority members for approval as correct record and then included in the scoping report.

ITEM	PRESENTATION
WELCOME	<ul style="list-style-type: none"> <li>• The chairperson of the Traditional Council welcomed the Public Consultation Team (Margen and Eskom).</li> <li>• The meeting was requested by the consultants to come and give a presentation on the proposed Eskom Transmission Steelpoort Integration Project.</li> </ul>
PURPOSE OF THE MEETING	<ul style="list-style-type: none"> <li>• Mr. Solly Mohlala, [SM] introduced the PIP Team and Eskom representative.</li> <li>• <b>SM</b> thanked the Traditional Authority members for attending the meeting. The purpose of the meeting was explained as being:               <ul style="list-style-type: none"> <li>○ To explain the proposed project</li> <li>○ To record comments and issues of concern regarding the project</li> <li>○ To agree on the consultation process to be followed in the tribal area and the way forward.</li> </ul> </li> </ul>
PRESENTATION	<ul style="list-style-type: none"> <li>• Mr. Mahlangu used the Background Information Document and the map               <ul style="list-style-type: none"> <li>○ To explained the Eskom Transmission Steelpoort Integration Project,</li> <li>○ The relevant EIA process to be followed for the authorization application.</li> </ul> </li> </ul>

ITEM	PRESENTATION
	<ul style="list-style-type: none"> <li>o The different timeframes applicable to the project.</li> <li>• Working on the map, farms belonging to Kgosi Mampuru in the study area were identified as <b>Mooimeisjesfontein 363KT and Boschloof 331KT</b></li> <li>• The farm <b>De Goedverwachting 332KT</b> is claimed by the Ba Bina Noko ba Mampuru Tribal Authority.</li> <li>• Boundaries on the eastern side of the farms are Steelpoort river.</li> </ul> <p>Mr. Vilakazi commented that though the farms are not affected by the currently proposed routes alignments, in future they might be affected.</p>

QUESTIONS, ISSUES & COMMENTS RAISED ( <i>Not linked to specific individuals</i> )	RESPONSE
<p>After giving the presentation Mr. Mahlangu requested Mr. Vilakazi to explain the :</p> <ul style="list-style-type: none"> <li>o Job opportunities to be generated by the project</li> <li>o Time frames relating to the construction process</li> <li>o Negotiation process for servitude and relocation compensation</li> </ul>	<p>Mr. Vilakazi explained that job opportunities will be available but very limited because construction companies use equipments that requires experience and training. Employment will not be made directly by Eskom.</p> <p>The timeframes for construction were discussed using the BID as a guide.</p> <p>The process followed in servitude negotiation, relocation of affected families, the involvement of ECO and the establishment of construction camps was discussed and explained by Mr. Vilakazi.</p>
<p>Is it dangerous for the power line to be constructed through a settled area?</p>	<p>If possible Eskom try to avoid building through a village, township or town. No building structures are allowed in transmission power lines servitudes. The servitude for a 400kV line is 55m.</p>
<p>The council agreed that the project is welcomed and encouraged Eskom to maintain consultation with the traditional leadership at all times up until construction is completed. If requested, the council will allocated proper site for construction camp and is willing to help if there are problems</p>	<p>Comment noted with appreciation. As indicated above, Eskom will appoint an ECO to liais with the local leadership on issues relating to the project.</p>

<b>QUESTIONS, ISSUES &amp; COMMENTS RAISED</b> <i>(Not linked to specific individuals)</i>	<b>RESPONSE</b>
between the community and the construction workers.	
<b>WAY FORWARD</b>	<ul style="list-style-type: none"> <li>• Minutes of the meeting will be forwarded to the council for approval. If no comment is received within fourteen days of posting it will be assumed that the council accepts the record as a true reflection.</li> <li>• Executive Summaries of the reports (Scoping and EIR). will be posted to traditional council offices.</li> </ul>
<b>CLOSURE</b>	<ul style="list-style-type: none"> <li>• The chairperson thanked the consultants, Eskom and council members for attending the meeting and declared the meeting closed.</li> </ul>



## Confirmation of Consultation Process

It is hereby confirmed that a representative of the Public Consultation Team (Mr. Moses Mahlangu) came to present and introduce the proposed Eskom Transmission project: Steelpoort Integration Project.

On behalf of Ndebele Traditional Authority I, Chief P. J. Mahlangu consent to Eskom going ahead with the planning of the proposed power line route. The conditions attached are that after deciding on the preferred route

- (i) Eskom will negotiate for compensation for the servitude
- (ii) If there are houses that require relocation, Eskom will compensate the affected families
- (iii) Construction crew will be introduced formally for construction camps siting.

I trust the above meet your expectations

Yours faithfully

M. Mahlangu & Co. 06/08/07

# PUŠO SETSHABA SA BABINA TLOU BA MASHA NKOTWANE

Eng: Masha MJ  
Cell: 082 640 3920  
Cell: 072 469 1179



P. O. Box 496  
NGWABE  
1058

PHATHANE TRIBAL AUTHORITY  
BAROKA BALOGA DITSHELO

REF NO. 3/S/-36

## DINAGA TŠA RENA TŠEO RE DI (CLAIM) TLELEIMILEGO .

1.	STEYNSDRIFT	145
2.	DE HOOP	886
3.	BUFFELSKLOOF	141
4.	TUGERHOEK	140
5.	GROOTHOEK	139
6.	STEELPOORT PARK	366
7.	APIESBOOM	884 KS
8.	KENEDYSVALE	361
9.	STEELPOORT DRIFT	365

KE DIPOLASA TŠE DI TLELEIMILEGO KE BA BINA TLOU BA MASHA NKOTWANE COMMUNITY LE DI HEADMAN TŠA KGOSHI M. J. N. MASHA LE GE TSHEPEDIŠO YA TLELEIMI E DIEGA . GA E SALE TŠE DINGWA DINAGA RE DI TLELEIMA GA SENKE RE KOPANA LE MMUŠO .

KGOSHI MAGOLEGO MO APIESBOOM O FEHLILE KA 1973.

KGOSHI MALEKANE O FEHLILE STEELPOORTDRIFT KA 1973.

KGOSHI MAMPURU KA BOCHKLOOF O FEHLILE KA 1973.

KGOSHI PHASHA KA LANGFOREBAGE O FEHLILE KA 1973.



Afrosearch (Pty) Ltd  
P O Box 13540  
Hatfield 0028  
Tel (012) 362 2908  
Fax (012) 362 2463

3 August 2007

Dear Stakeholder

### **INVITATION TO KEY STAKEHOLDER WORKSHOP**

#### **ENVIRONMENTAL IMPACT ASSESSMENT: PROPOSED STEELPOORT INTEGRATION PROJECT, LIMPOPO PROVINCE**

- **Invitation to Key Stakeholder Workshop, Thursday, 16 August 2007**

You are cordially invited to a **key stakeholder workshop** being held specifically for authorities, non-government organisation and environmental bodies. This workshop will take place on:

**Date:** Thursday, 16 August 2007

**Time:** 10:00 – 12:00 (registration from 09:30)

**Venue:** Pro Deo Conference Centre, C/o Biccard & Grobler Streets, Polokwane  
(Entrance in at No 30 Grobler Street - map attached)

This workshop forms part of the Environmental Impact Assessment (EIA) process being undertaken on behalf of Eskom by Savannah Environmental for the proposed Steelpoort Integration project. The proposed Steelpoort Integration project will integrate the proposed Pumped Storage Scheme (PSS) project into Eskom's electricity transmission network, in terms of the following activities:

- The construction of a new 400 kV substation, in close proximity to the PSS.
- This new substation is to be supplied via two 400 kV Transmission power lines looping in and out of the existing Duvha-Leseding 400 kV Transmission power line. It is proposed that these two lines will be constructed in parallel.
- Construction of a 400 kV Transmission line between the proposed Steelpoort and the existing Merensky Substations.
- Associated works in order to integrate the proposed new substation into Eskom's electricity Transmission grid (including the construction of service/access roads, the construction of a communication tower at the substation site, etc).

Further details are contained in the Background Information Document (BID) which was sent to you on 30 April 2007. If you did not yet receive your copy of the BID, please notify us urgently and we will ensure that you receive your copy immediately.

We would value your attendance at the meeting and have tried to centralise the meeting venue as far as possible. The purpose of the meeting is to introduce the project to you, to provide you with a summary of the findings of the environmental scoping studies undertaken, and for you to provide assistance to the project team in identifying any additional key issues and impacts that need to be investigated and managed through the EIA process. We believe that this workshop has value in allowing you to hear other stakeholders' views and issues in relation to your own, thus allowing for a more integrated approach.

*Attached is a reply form. In order to facilitate arrangements for the key stakeholder workshop, please complete and return the reply form to us by **Friday, 10 August 2007.***

We would like to urge you to attend the workshop as it will allow you the opportunity to discuss issues that are of particular significance to you with regards to the project with the project team.

Kind regards

A handwritten signature in black ink, appearing to read 'Nicole'.

NICOLENE VENTER  
PUBLIC PARTICIPATION CONSULTANT

*Enclosed documents: - Reply Form, Draft Agenda **and** Map to Pro Deo Conference Centre*

## ENVIRONMENTAL IMPACT ASSESSMENT

### PROPOSED STEELPOORT INTEGRATION PROJECT LIMPOPO PROVINCE

# KEY STAKEHOLDER WORKSHOP



Thursday, 16 August 2007



#### PURPOSE OF THE MEETING

- To provide Stakeholders with information regarding the proposed project;
- To provide Stakeholders with a summary of the findings of the environmental scoping studies undertaken;
- To provide Stakeholders the opportunity to become involved and seek clarity regarding the proposed project; and;
- To record comments, issues and concerns raised.

#### DRAFT AGENDA

*Facilitator: Dr David de Waal, Afrosearch*

- |   |  |
|---|--|
| 1. WELCOME, INTRODUCTION AND APOLOGIES  | David de Waal<br>Afrosearch                      |
| 2. PURPOSE AND PROCESS OF MEETING   | David de Waal                                    |
| 3. BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT                | Sebenzile Vilakazi/<br>Simon Mkhathshwa<br>Eskom |
| 4. EIA PROCESS AND SUMMARY OF THE OUTCOME OF ENVIRONMENTAL STUDIES DURING SCOPING | Jo-Anne<br>Thomas<br>Savannah Environmental      |
| 5. SUMMARY OF THE PUBLIC PARTICIPATION PROCESS                                    | Nicolene Venter<br>Afrosearch                    |
| 6. DISCUSSION SESSION   | All  |
| 7. THE WAY FORWARD AND CLOSURE  | David de Waal                                    |

ENVIRONMENTAL IMPACT ASSESSMENT  
(DEAT Ref# 12/12/20/866)

PROPOSED CONSTRUCTION OF THE STEELPOORT INTEGRATION PROJECT

LIMPOPO PROVINCE



KEY STAKEHOLDER WORKSHOP  
Thursday, 16 August 2007



REPLY FORM

**RSVP** on or before **Friday, 10 August 2007**

Ms Nicolene Venter **or** Marti Mooman at **Afrosearch**

PO Box 13540, HATFIELD, 0028

Phone: (012) 362 2908

E-mail: iafrica@icon.co.za **or** marti@afrosearch.co.za

Fax : (012) 362 2463

TITLE (Prof/Mr/Mrs)		FIRST NAME	
SURNAME			
CAPACITY (e.g. Secretary/Director)			
ORGANISATION			
POSTAL ADDRESS		POSTAL CODE	
TEL. NO.: ( )		CELL NO.:	
FAX NO: ( )		E-MAIL ADDRESS:	

Please indicate your response with an **X**

Please indicate whether you will be attending / not attending the Workshop	YES	NO
If not able to attend the Workshop, would you like to receive a copy of the minutes?	YES	NO

DO WE NEED TO INVITE AN ADDITIONAL PERSON / ORGANISATION TO THIS MEETING? IF SO, PLEASE PROVIDE US WITH HIS/HER/THEIR RELEVANT CONTACT DETAILS:

Name & Surname:		
Position:	Organisation:	
Postal Address:		
Tel.:	Fax:	
Cell:	E-mail:	

IF YOU WISH NOT TO RECEIVE ANY FURTHER INFORMATION REGARDING THIS PROPOSED PROJECT, AND PREFER TO BE REMOVED FROM THE PROJECT'S DATABASE, PLEASE SIGN BELOW AND RETURN THE FORM TO THE PUBLIC PARTICIPATION CONSULTANTS WHO'S CONTACT DETAILS ARE PROVIDED ABOVE

YES, please remove my contact details from the project database.	SIGNATURE:
--	------------

# PRO DEO CONFERENCE CENTRE KONFERENSIESENTRUM

## **Pad aanwysing na Pro Deo Konferensie Sentrum**

Die N1 vanaf Pretoria - word Groblerstraat (eenrigting van wes na oos).

Kruis 10 strate - Dahl-, Bok-, Paul Kruger-, Kerk-, Genl. Joubert-, Mark-, Landdros Mare-, Schoeman -, en Hans van Rensburgstraat.

Op die H/v Biccard- en Groblerstraat is 'n Kerkgebou.

Ry oor Biccardstraat verby die kerkgebou links.

In die middel van die blok is ingang waar 'n hekwag aan diens is, gebruik die ingang (die ingang word aangedui met 'n advertensiebord aan die linkerkant van die pad) - **Pro Deo Konferensie Sentrum.**

## **Road direction to Pro Deo Conference Centre.**

The N1 from Pretoria - become Grobler Street (one way from west to east).

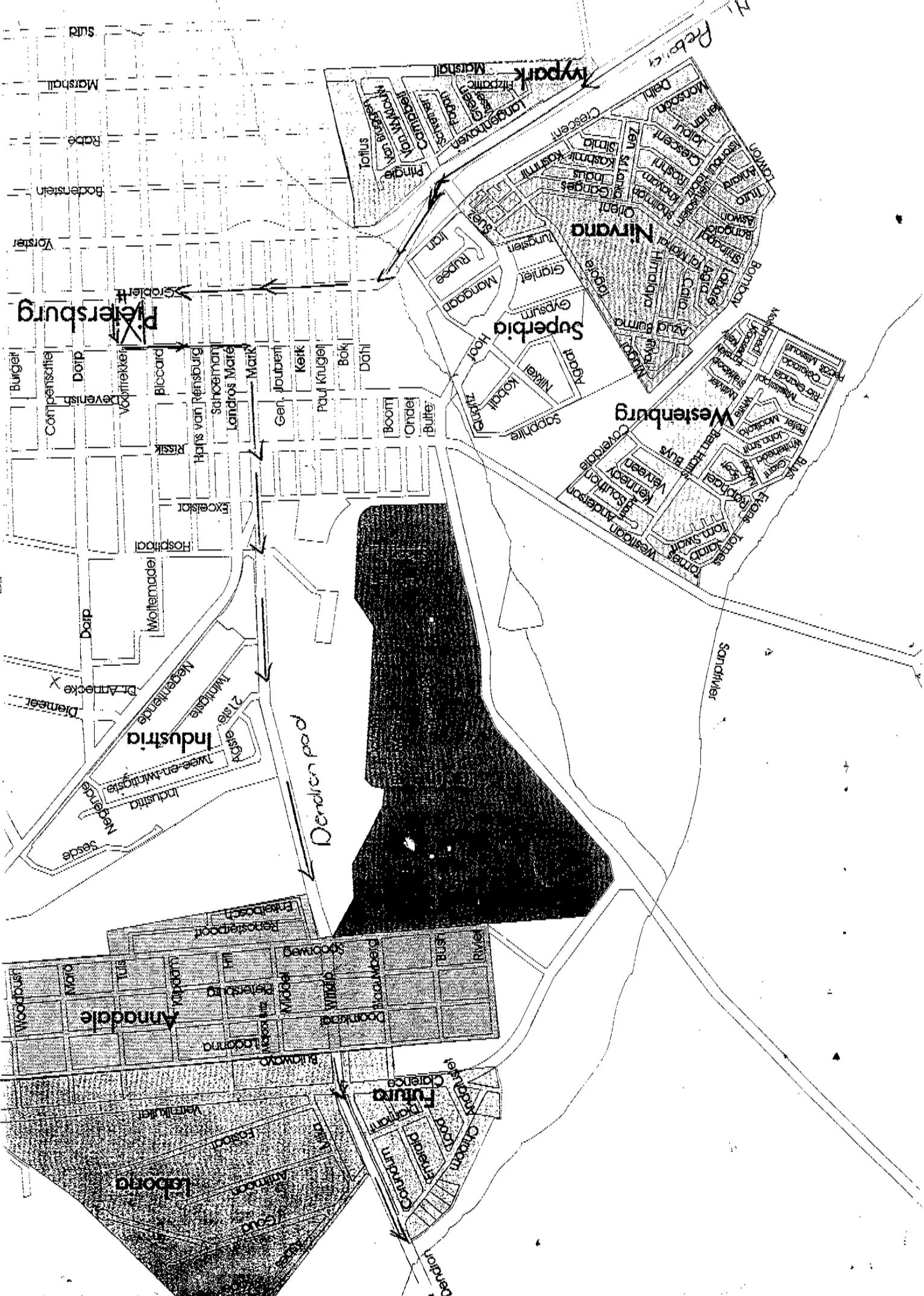
Cross 10 streets - Dahl-, Bok-, Paul Kruger-, Kerk-, Genl. Joubert-, Mark-, Landdros Mare-, Schoeman-, and Hans van Rensburg Street.

At the corner Biccard- and Grobler Streets is a church building.

Cross Biccard Street passes the church building.

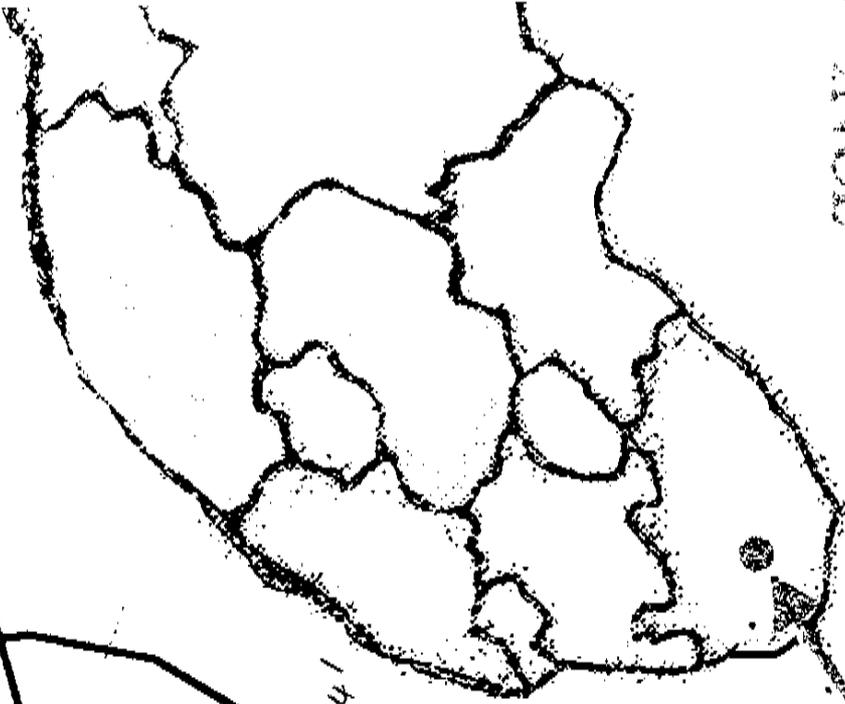
In the middle of the block on the left side is an entrance where a security guard is on duty, use this entrance. (At the entrance is an advertisement board: **Pro Deo Conference Centre.**)

Posbus/P.O. Box 151, Polokwane 0700  
Tel: 015 - 291 9140 Faks/Fax 015 - 291 9143



TRICA

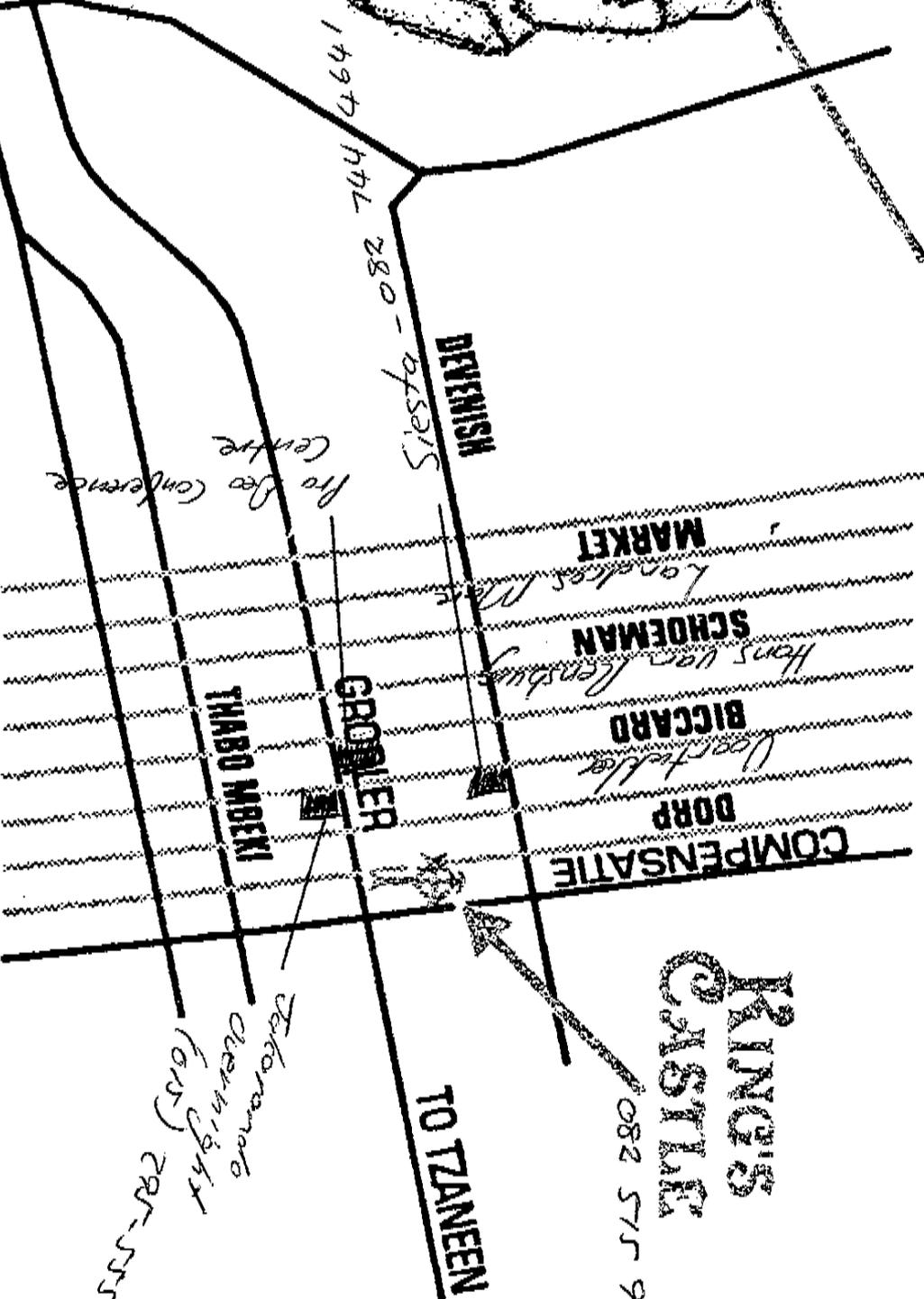
TO PRETORIA (N1)



OPPO  
MOT

# PIETERSBURG / POLOKWANE

PIETERSBURG / POLOKWANE  
CENTRE



TO ZANEEN

KING'S  
CASTLE  
082 575 9000

COMPENSATIE  
DORP

BICCARD

SCHODEMAN

MARKET

DENEMISH

Siesta - 280

GROBLER

THABO MBEKI

Pro Leo Conference  
Centre

Zakoranda  
Owen 1841  
(015) 295-5554

1497 h7L

Londes Rd

Hans van Rensburg

Voortrekker

13 August 2007

Limpopo Department of Economic Development,  
Environment and Tourism  
Private Bag x9484  
Polokwane  
0700  
Fax: (015) 295-4013  
Page 1 of 2

**Attention:** Ms Nkuma Revive/Ms Tshifhiwa Matamela

Dear Ms Revive and Ms Matamela,

**ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED  
STEELPOORT INTEGRATION PROJECT, LIMPOPO AND MPUMALANGA  
PROVINCES: DRAFT ENVIRONMENTAL SCOPING REPORT**

Please find herewith a copy of the draft Environmental Scoping Report for the above project for your review.

This draft report has been made available for public review from 10 August 2007 to 10 September 2007 at the following locations:

- » Offices of Elias Motsoaledi Municipality
- » Offices of Greater Tubatse Municipality
- » Offices of Makhuduthamaga Municipality
- » SAPS Burgersfort
- » SAPS Roossennekal
- » Laerskool Roossennekal
- » Laerskool Steelpoort
- » [www.savannahSA.com](http://www.savannahSA.com)

A public feedback meeting will be held on 18 August 2007 at the Steelpoort Primary School at 10:30 – 12:30. In addition, a key stakeholder workshop is scheduled for 16 August 2007 at the Pro Deo Conference Centre, C/o Biccard & Grobler Streets, Polokwane at 10:00 – 12:00.

These feedback meetings will aim to provide I&APs with:

- » Background regarding the proposed project and the EIA process.
- » A summary of the findings of the Environmental Scoping Study.
- » A further opportunity to raise issues and concerns regarding the proposed project.

As discussed at the meeting on 23 July 2007, please forward any comments on this draft report to Savannah Environmental, with a copy to Wayne Hector at the National Department of Environmental Affairs and Tourism (DEAT).

Please contact me with any queries regarding the above.

Kind regards

Jo-Anne Thomas



**Margen**  
INDUSTRIAL SERVICES

**REGISTER**  
Acknowledgement of Receipt of Hand Delivered Scoping Report

NAME	CONTACT DETAILS	DATE	SIGNATURE
MASHA Manosudi Johannes	Masha Mbeiwane Terisac PUTRACERTY	2007/09/18	Krisnani VMD Masha
KCO SA N.M. MALEKANE	MALEKANE T/C	2007/01/18	Malekane
<del>Pttaha K.I.</del> Chapt Councillor	083 4930072 072 750 15836	2007/09/18	Malekane

## Jo-Anne Thomas

---

**From:** Imaginative Africa [iafrica@icon.co.za]  
**Sent:** 04 September 2007 05:22 PM  
**To:** lucky@geostott.co.za  
**Cc:** 'Jo-Anne Thomas'; 'Marti Moolman Afrosearch'  
**Subject:** ACKNOWLEDGEMENT OF E-MAIL: RE: CONSTRUCTION OF POWERLINE

**Follow Up Flag:** Follow up  
**Due By:** 05 September 2007 09:00 AM  
**Flag Status:** Red



Background  
formation Document

Dear Lucky

Thank you very much for your e-mail below.

As briefly mentioned over the phone, Savannah Environmental is appointed by Eskom to undertake the environmental impact assessment for the proposed Steelpoort Integration project. Afrosearch is responsible for the public participation process (please refer to attached documents with more information regarding this proposed project).

Your enquiry regarding supplying products (electrical hardware components etc) to Eskom for the proposed transmission power line between Merensky and the newly proposed Steelpoort, as well as the tender process, has been forwarded to Eskom for their information.

I would like to point out that your enquiry is a bit early as the project first needs to be approved by the National Department of Environmental Affairs and Tourism (DEAT) before any construction can kick off. As you will notice from the attached documents, the EIA process is currently in the scoping phase and once DEAT accept the scoping and approved that the impact phase can commence, Eskom might start their tender process - but this information can only be provided by Eskom.

For the interim, please be informed that we acknowledge your correspondence and your request will be captured in the Comment and Response Report that forms part of the final Environmental Scoping Report that will be submitted to DEAT after the commenting period that ends on Monday 10 September 2007.

Kind Regards  
Nicolene Venter  
Imaginative Africa (Pty) Ltd  
Mobile: +27 (0)83 377-9112  
Telephone: +27 (0)12 662-1693  
Fax: 088 012 662-1693

-----Original Message-----

**From:** lucky@geostott.co.za [mailto:lucky@geostott.co.za]  
**Sent:** 04 September 2007 12:44 PM  
**To:** iafrica@icon.co.za  
**Subject:** CONSTRUCTION OF POWERLINE

Hi Nicolene

As we discussed over the phone I've got a few questions to ask regarding the construction of a 400kv powerline between Steelpoort and Merensky.

Firstly I would like to know what components are going to be required to built this powerline as we are one of the suppliers of Eskom's electrical hardware components and we manufacture a lot of other products as well provided we get all the necessary information and/or drawings thereof.

Secondly,I would like to know if there will be a tender issued for this project? If yes - how to go about in getting the tender document and if not - how do you get the opportunity to submit a qoute.

Thank you and I hope to hear from you in the near future.

Regards,

Lucky Zuma  
Sales Manager  
Geo Stott & Co(Pty)Ltd  
Tel: (011) 474 9150  
Fax: (011) 474 8267  
E-mail adress:lucky@geostott.co.za  
Website: www.geostott.co.za



Afrosearch (Pty) Ltd  
P O Box 13540  
Hatfield 0028  
(Tel) 012 362 2908  
(Fax) 012 362 2463

17 August 2007

Dear Mr. J Language

P O Box 905

Steelpoort

1133

**REVISED LETTER**

**NOTIFICATION OF AN ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED  
STEELPOORT INTEGRATION PROJECT IN THE LIMPOPO PROVINCE  
AND  
INVITATION TO A PUBLIC OPEN DAY**

Eskom Holding Limited is planning a new Pumped Storage Scheme approximately 40 km north-west of Simpion Substation in the Mpumalanga Province. This Pumped Storage Scheme (to be known as the Steelpoort Pumped Storage Scheme) is scheduled to be in operation by 2010. In order to integrate this Pumped Storage Scheme into the electricity transmission network, Eskom Transmission is proposing the following:

1. A 400 kV substation at a site in close proximity to the Steelpoort Pumped Storage Scheme
2. 2 x 40 km 400 kV loop in and out the Duvha-Leseding 400 kV line into Steelpoort substation
3. Construction of 50 km 400 kV powerline between Steelpoort and Merensky substations
- Associated works to integrate the station into the Transmission grid.

In terms of sections 24 and 24D of the National Environmental Management Act (No. 107 of 1998), as read with Government Notices R385 (Regulations 27-36) and R387, a Scoping and Environmental Impact Assessment are required to be undertaken for this proposed project. This project has been registered with the National Department of Environmental Affairs and Tourism (DEAT), the Competent Authority for this proposed project, under **Application Reference Number 12/12/20/866**.

**Savannah Environmental** has been appointed as an independent consultant to undertake the required EIA, and Afrosearch has been appointed to undertake the required public participation process for the proposed project.

To ensure that you are kept informed throughout the EIA process of opportunities to attend the public open day, raise issues, comment on reports and appeal, please submit your name, contact information and interest in the project to the contact person indicated below. This will ensure that you are included on the database of registered interested and affected parties (I&APs).

You are cordially invited to attend the public **open day** regarding the proposed project. The open day are scheduled for:

**Date: 18 August 2006**

**Venue: Steelpoort Primary School in Steelpoort**

**R 577 Lydenburg /Roosenekal Road.**

**Time: 10h30 until 12h30.**

The aim of the open day is to provide I&APs with more information regarding the proposed project and the process to be followed and to provide an opportunity for the public to present their comments and viewpoints.

You are cordially invited to comment on the Draft Environmental Scoping Report. The period for Public comment extends from 10 August 2007 until 10 September 2007. Copies of the report will be available at the following venues:

Ellias Motsoaledi District Municipality, 3 West Street Groblersdal.

Greater Thubatse Local Municipality, Corner of Kort and Eddie Street Burgersfort.

Makhuduthamaga Local Municipality, 3 West Street Groblersdal.

SAPS Burgersfort, 7 Justic Street Burgersfort.

SAPS Roosenekal, Senekal Street Roosenekal.

Roosenekal Primary School, R 577 Lydenburg /Roosenekal Road.

Steelpoort Primary School, R555 Steelpoort/Pietersburg Road.

Should you have any queries or comments, please contact Nicolene Venter or Marti Moolman at:

**P.O. Box 13540**

**Hatfield 0028**

**Tel: (012) 362-2908**

**Fax: (012) 362-2463**

**E-mail: [iafrica@icon.co.za](mailto:iafrica@icon.co.za) or [marti@afrosearch.co.za](mailto:marti@afrosearch.co.za)**



## DRAFT MINUTES OF KEY STAKEHOLDER WORKSHOP

Afrosearch (Pty) Ltd  
PO Box 13540  
Hatfield, 0028

**Tel** (012) 362 2908

**Fax** (012) 362 2463

**E-mail:** iafrica@icon.co.za

marti@afrosearch.co.za

**Thursday, 16 August 2007**

## PROPOSED STEELPOORT INTEGRATION PROJECT

Prepared by:

Afrosearch

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<b>6: ATTENDANCE REGISTER.....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>

Appendix A: Presentation Material

Appendix B: Attendance Record

Please submit your written comments on these draft Minutes by **Friday, 21 September 2007**.

## **DRAFT MINUTES KEY STAKEHOLDER WORKSHOP**

**Venue:** Pro Deo Conference Centre, Polokwane

**Date:** 16 August 2007

**Time:** 10h00

### **1: WELCOME, INTRODUCTION AND APOLOGIES**

---

Dr D de Waal tabled the draft Agenda to the attendees and asked whether the draft Agenda could be accepted as the formal Agenda for the meeting. Consensus was reached by the attendees.

Dr De Waal introduced himself as the Facilitator for the meeting and thanked the attendees for their attendance. He introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Senior Environmental Advisor, Eskom Transmission
- Mrs Jo-Anne Thomas, Savannah Environmental, Independent environmental consultant

### **2: PURPOSE OF THE MEETING**

---

The purpose of the meeting was outlined as:

- To provide I&APs with technical information regarding the proposed project.
- To provide I&APs with feedback regarding the findings of the Scoping Study.
- The availability of the Draft Scoping Report.
- To provide I&APs the opportunity to seek clarity regarding the proposed project.
- To record any additional comments, issues and concerns raised.

It was explained that this proposed project is currently in the environmental scoping phase. Dr De Waal explained that this phase can be a frustrating phase for stakeholders as the team might, at this stage, not have answers to some of the questions that might be raised. He indicated that any such issues would be noted and considered through the EIA process as far as possible.

Dr De Waal informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from the I&AP to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

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Mrs Jo-Anne Thomas provided an overview of the proposed Steelpoort Integration Project and the findings of the Scoping Study undertaken. Presentation material is included within Appendix A.

### **4: DISCUSSION SESSION**

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#### **4.1 General Comments / Concerns**

*Mr Jan Nel, Samancor*, informed the project team that the proposed project does not have a direct impact on their activities.

*Comment noted.*

#### **4.2 Route Alignments & Proposed Alternatives**

*Mr George van der Merwe, Samancor*, informed the project team that their property is invariably affected by the proposed project, especially in the vicinity of Spitskop and surrounding areas where new mines are planned. It was also indicated that Samancor will be affected by the project at Kennedy. A route alignment close to the existing transmission power line would be a preferred option although their property (Spitskop portions 12 and 13) will still be affected. Mr van der Merwe indicated that the proposed western route alternative would affect Eastern Plats significantly as there is a new mine planned in the area west of Xtrata. He suggested that a route alternative along the R533 to Lydenburg (i.e. the southern sub-alternative) be considered to minimise any impact on this planned mining operation. It was mentioned that Samancor is not against the proposed project but that technical details need to be discussed and addressed with Eskom.

*Mr van der Merwe* was thanked for his inputs. The comments were noted, and a commitment was made to arrange a meeting with Samancor and the Eskom technical team during the EIA phase of the project.

#### **4.3 Communication Issues**

*Mr George van der Merwe* stated that there is a need for the EIA team to meet with Samancor as they have just completed an EIA and may have information readily available that can be used by the EIA team for the proposed Steelpoort Integration Project.

*The comment was noted* and Ms Jo-Anne Thomas indicated that a meeting would be arranged to discuss what information would be available to the project team from Samancor.

*Mr George van der Merwe* indicated that Xtrata are undertaking the 'Lion Project' in the vicinity of the southern sub-alternative. He suggested that the project team obtain

information from Xtrata regarding this project in order to determine how this project may be impacted on the proposed power line alignments.

*The comment was noted.* This information will be sourced during consultation with Xtrata in the EIA phase of the project and will inform the final recommendations of the process.

#### **4.4 General Environmental Comments/Issues**

*Mr George van der Merwe* informed the project team that Mpumalanga Parks Board requested Samancor to submit a biodiversity survey which considered three seasons as part of their IA process. He indicated that Savannah Environmental must take note of this requirement in order to minimise any delays in the EIA process for the Steelpoort Integration Project.

*Ms Jo-Anne Thomas* indicated that the biodiversity specialist study is being undertaken in accordance with the guidelines prepared for the Mpumalanga Province. However, she noted that, as a result of changes in the provincial boundaries, the project now falls completely within the Limpopo Province. She thanked Mr van der Merwe for the information and indicated that the National and Limpopo Province environmental authorities would be consulted regarding any specific requirements in this regard.

*Mr George van der Merwe* enquired whether there are any river crossings.

*Ms Jo-Anne Thomas* replied that there are a number of river crossings (such as the Steelpoort River), particularly to the south of the study area.

*Mr George van der Merwe* indicated that he will provide the project team with Samancor's mining plan and information regarding their surface water. He enquired whether Eskom has permission from DME for sterilising a potential mineral resource.

*Mr Sebenzile Vilakazi* replied that meetings with DME by Eskom are an ongoing-process as Eskom has several coal mines. Consultation with DME for power lines is undertaken by both Eskom and EIA consultants during the planning phase of projects.

#### **4.5 Water Related Comments/Issues**

*Mr George van der Merwe* enquired whether Eskom will apply for any water licences as a result of the proposed project.

*Ms Jo-Anne Thomas* replied that water licences/permits for this proposed project would not be required as there will be no structures in any of the river beds or within any floodlines. This is a technical consideration and is due to the fact that the construction of power line towers within floodlines poses an unacceptable risk to the operation of the power line.

*Mr George van der Merwe* enquired as to who will determine the applicable flood line.

*Ms Jo-Anne Thomas* responded that the applicable flood line will be determined between Eskom and DWAF. She added that a large amount of information would be available from DWAF regarding the Steelpoort River as a result of the extensive studies which they had recently completed for the De Hoop Dam.

#### **4.6 Construction**

*Mr George van der Merwe* enquired about the envisaged construction period for the proposed transmission power lines.

*Mr Sebenzile Vilakazi* replied that the construction period is expected to be between 12 and 18 months.

*Mr George van der Merwe* enquired how the power lines will be constructed.

*Mr Sebenzile Vilakazi* replied that Eskom make use of skilled contractors to undertake the construction. Eskom (through Trans Africa Projects - TAP) will be responsible for the detailed design of the power lines and will source a competent construction company through an appropriate tendering process. It is envisaged that there will not be more than 30 to 40 construction workers on site at any time, and that 20 to 60 construction workers will be on site for the substation in the vicinity of the pumped storage scheme.

#### **5: WAY FORWARD AND CLOSURE**

---

Ms Jo-Anne Thomas summarised the way forward as follows:

- Draft Scoping Report available for review from 10 August to 10 September 2007
- Final Scoping Report to be submitted to DEAT for review and approval prior to undertaking the EIA
- Detailed specialist studies for identified issues to be undertaken in the EIA:
  - Potential impacts on flora, fauna & ecology
  - Potential impacts on avifauna
  - Potential visual impacts
  - Potential impacts on heritage sites
  - Potential impacts on the social environment

The meeting ended at 11:30.

**APPENDIX A**  
**PRESENTATION**  
**MATERIAL**

STEELPOORT INTEGRATION PROJECT

ENVIRONMENTAL IMPACT  
ASSESSMENT PROCESS

KEY STAKEHOLDER WORKSHOP  
16 AUGUST 2007



## DRAFT AGENDA

- Welcome, introduction & apologies
- Purpose & process of the meeting
- Background and Technical Aspects regarding the Project
- EIA process and summary of the findings of the Scoping Study
- Discussion session
- The Way Forward & closure

## CONDUCT OF THE MEETING

- Work through the facilitator
- Language of choice
- Do not interrupt speakers - there will be discussion time
- Equal participation
- Identify yourselves
- Cellphones

## PURPOSE OF THE MEETING

- To provide I&APs with technical information regarding the proposed project
- To provide I&APs with feedback regarding the findings of the Scoping Study
- To provide I&APs the opportunity to seek clarity regarding the proposed project
- To record any additional comments, issues and concerns raised

## BACKGROUND TO THE PROJECT

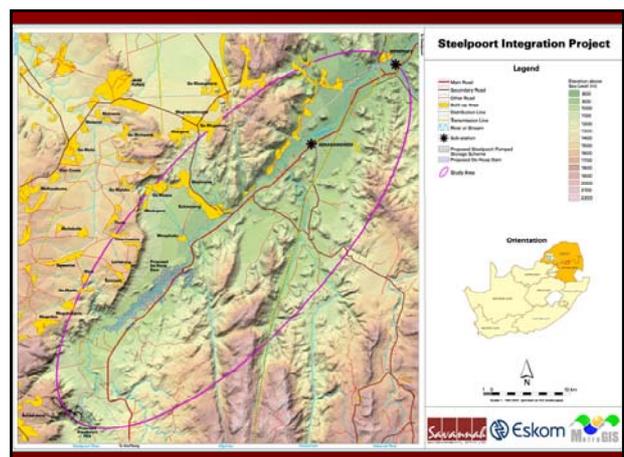
- Eskom is currently responding to the growing electricity demand within SA
- Will need to establish new generation & transmission capacity in SA over the next few years
- Through the Integrated Strategic Electricity Planning (ISEP) process, Eskom continually assesses the projected demand for electricity within South Africa.
- As part of this process, Eskom continues to investigate a variety of electricity generation options
- Pumped Storage Scheme (PSS) at Steelpoort planned as one of the electricity supply options

## BACKGROUND TO THE PROJECT

- PSS will have an installed capacity of 1 520 MW, and is scheduled to be in operation by 2014
- PSS is the subject of a separate EIA process
- In order to integrate this PSS into the electricity transmission network, Eskom Transmission is proposing the Steelpoort Integration Project

## OVERVIEW OF THE STEELPOORT INTEGRATION PROJECT

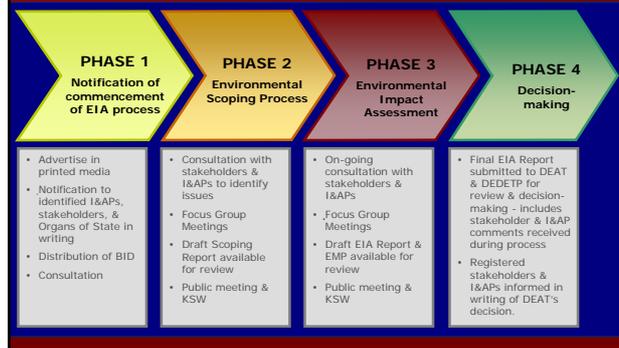
- A new 400kV substation, in close proximity to the PSS (referred to as the Steelpoort Substation)
- Two 400kV transmission power lines looping in and out of the Duvha-Leseding 400kV transmission power line to the proposed Steelpoort Substation
- A 400kV transmission power line between the proposed Steelpoort Substation and the existing Merensky Substation
- An additional feeder bay within the existing footprint of the Merensky Substation
- Associated works to integrate the new substation into Eskom's electricity transmission grid



## LEGAL CONTEXT

- National Environmental Management Act (No 107 of 1998)
  - Overarching environmental legislation in South Africa
  - Identifies and regulates activities which may have a detrimental impact on the environment
  - Specifies the EIA process
- Eskom requires authorisation from DEAT (in consultation with Limpopo Province DEDET)
- Independent environmental studies must be undertaken in accordance with the EIA Regulations

## EIA PROCESS & PUBLIC INVOLVEMENT



## ALTERNATIVES

- Reasonable & feasible alternatives required to be considered in terms of the EIA Regulations
- 'Do nothing' alternative
  - Option of not constructing the Steelpoort Integration Project
  - Will result in the PSS not being integrated into the transmission network and the power generated by the PSS not being transmitted
  - Not considered to be a feasible alternative
  - Not considered further in the EIA process

## ALTERNATIVES

- Substation site alternatives
  - Location of the substation constrained by the location of the PSS, technical and economic constraints and physical factors
  - Only one reasonable & feasible substation site has been identified for consideration within the EIA process
  - Located on Portions 1 & 7 of the farm Luipershoek 149 JS
  - Properties are owned by a private landowner
  - This is the development site which is considered within the Scoping Study

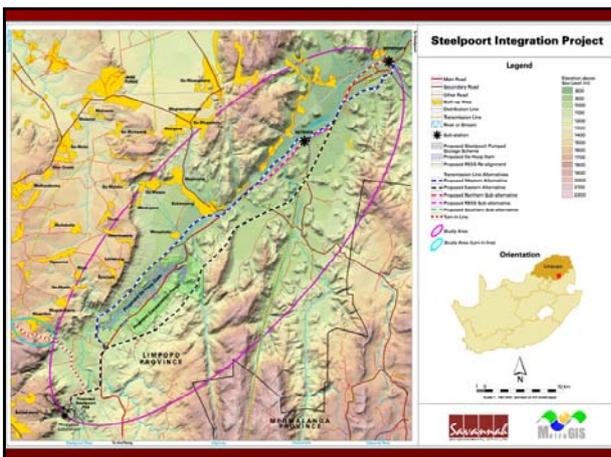


## EVALUATION OF SUBSTATION SITE

- Majority of potential impacts identified to be associated with the construction & operation of the proposed substation are anticipated to be localised & restricted to the site
- No environmental fatal flaws identified
- A number of issues requiring further study have been highlighted.
- These issues will be assessed in detail within the EIA phase of the process

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Varying conclusions with regards to the preferred alternative from the specialist studies undertaken:
  - Western alternative will minimise potential impacts on ecology and agricultural potential
  - Northern sub-alternative will aid in further minimising ecological impacts
  - R555 sub-alternative preferred from an avifauna perspective
  - Eastern alternative is nominated as the preferred alternative from a social and heritage perspective
  - Southern sub-alternative preferred from a visual perspective
- Eastern alternative crosses the DWAF Conservation Area
  - Protected in terms of the National Forests Act (No 84 of 1998)
  - Any activities which may cause deforestation in this area (such as the establishment and maintenance of a power line servitude) are prohibited



## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

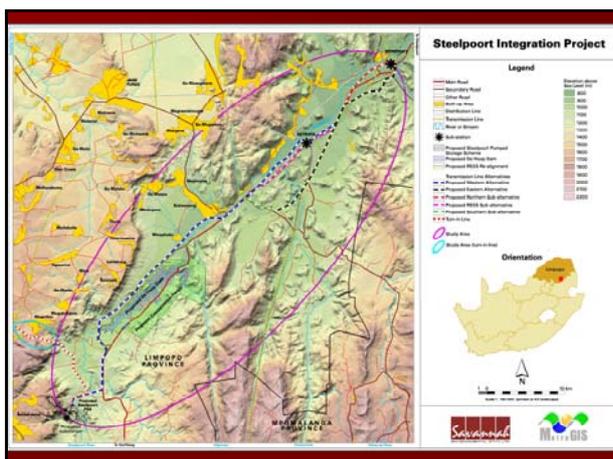
- Eastern alternative
  - DEAT and DWAF have indicated that an alignment through this Conservation Area would not be considered favourably for authorisation
  - Considered to be a fatal flaw to the establishment of a transmission power line within this section of the eastern alternative alignment
  - This section of the eastern alternative is eliminated as a feasible option
- From a social and heritage perspective, the next best option was selected for further investigation in the EIA

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Heritage:
  - Majority of sites of potential significance which could be potentially impacted are located within the south-western section of the study area.
  - Alignment of the proposed transmission power line along any of the sub-alternatives identified will make little difference to the significance of the potential impacts on these sites.
  - Impacts on these sites may be of high significance and this aspect requires further investigation within the EIA phase

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Social:
  - Second preferred alignment is the western alternative following the R555 sub-alternative alignment
  - Potential impacts include impacts on settlements, established tourism areas (game lodges) or areas with tourism potential (the De Hoop Dam).
  - Detailed assessment of this alternative is required in the EIA phase of the study in order to define mitigation measures to minimise potential impacts



## EVALUATION OF TURN-IN LINE ALTERNATIVES

- Construction of a single double-circuit line would limit the amount of space required for the establishment of the powerline (i.e. 55 m vs. 110 m)
- This technical option could minimise the majority of impacts on both the biophysical & social environment
- The option of constructing a single double-circuit line is the preferred option from an environmental perspective
- May have implications to the operation of the powerline:
  - more perching space for birds on the towers
  - bigger risk of streamer-induced faulting on these towers
- No environmental fatal flaws identified
- A number of issues requiring further study in the EIA have been highlighted

## EVALUATION OF CUMULATIVE IMPACTS

- Currently numerous development projects underway in the study area
  - PSS & associated pipeline to the De Hoop Dam
  - De Hoop Dam & R555 realignment
  - Planned & existing mining operations
  - Planned & existing residential developments
- These developments all impact on the surrounding environment in some way
- There is the potential for the proposed project to add to the cumulative impact on the local environment
- Potential cumulative impacts will require further investigation within the EIA

## WAY FORWARD

- Draft Scoping Report available for review from 10 August to 10 September 2007
- Final Scoping Report to be submitted to DEAT for review and approval prior to undertaking the EIA
- Detailed specialist studies for identified issues to be undertaken in the EIA:
  - Potential impacts on flora, fauna & ecology
  - Potential impacts on avifauna
  - Potential visual impacts
  - Potential impacts on heritage sites
  - Potential impacts on the social environment

## **APPENDIX B**

### **ATTENDANCE RECORD**

Mr Jan Nel, Environmental Manager, Marula Platinum

Mr George van der Merwe, Environmental Manager, Eastern Chrome Mines

Ms Martha Nqwane, Senior Administrator, Local Government, Premier's Office

Mr Rederick Mahlane, Assistant Manager, Department of Mineral and Energy

Mr Sibenzile Vilakazi, Snr Environmental Manager, Eskom

Ms Jo-Anne Thomas, Project Manager, Savannah Environmental

Dr David de Waal, Facilitator, Afrosearch



## FINAL MINUTES OF PUBLIC MEETING

Afrosearch (Pty) Ltd  
PO Box 13540  
Hatfield, 0028

**Tel** (012) 362 2908

**Fax** (012) 362 2463

**E-mail:** iafrica@icon.co.za

marti@afrosearch.co.za

**18 August 2007**

## PROPOSED STEELPOORT INTEGRATION PROJECT

Prepared by:

Afrosearch

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4: DISCUSSION SESSION.....	2
5: WAY FORWARD AND CLOSURE.....	4
6: ATTENDANCE REGISTER.....	4

**Venue:** Steelpoort Primary School

**Date:** 18 August 2007

**Time:** 10h30

## **1: WELCOME, INTRODUCTION AND APOLOGIES**

---

Mr M Mahlangu submitted the draft Agenda to the attendees and requested whether the draft Agenda could be accepted as the formal Agenda for the meeting. Consensus was reached by the attendees.

Mr M Mahlangu introduced himself as the Facilitator for the meeting and thanked the attendees for their attendance. He introduced the project team present as follows:

- Mr Sebenzile Vilakazi, Senior Environmental Advisor, Eskom Transmission
- Mrs Jo-Anne Thomas, Savannah Environmental, Independent environmental consultant
- Marti Moolman, Afrosearch
- Solly Mohlala, Afrosearch
- Chris Le Roux, Afrosearch

## **2: PURPOSE OF THE MEETING**

---

The purpose of the meeting was:

- To provide I&APs with technical information regarding the proposed project.
- To provide I&APs with feedback regarding the findings of the Scoping Study.
- The availability of the Draft Scoping Report.
- To provide I&APs the opportunity to seek clarity regarding the proposed project.
- To record any additional comments, issues and concerns raised.

This proposed project is currently in the environmental scoping phase. Mr M Mahlangu explained that this phase can be a frustrating phase for stakeholders and interested and/or affected parties (I&APs) as the team might, at this stage, not have answers to some of the questions that might be raised. He indicated that any such issues would be noted and considered through the EIA process as far as possible.

Mr M Mahlangu informed the attendees that one of the main purposes of the scoping phase is to identify issues and concerns that need to be assessed during the impact assessment phase. It is during the scoping phase that information, comments and concerns are required from the I&AP to ensure that the issues and concerns raised, if relevant to the proposed project, are addressed during the impact assessment phase.

### **3: BACKGROUND AND TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

Mrs Jo-Anne Thomas gave a presentation on the proposed project and provided a summary of the findings of the scoping study. Presentation material is included within Appendix A.

### **4: DISCUSSION SESSION**

#### **4.1 General Comments / Concerns**

*Mr. Mafuko Masha* stated that he owns property on the farm Steelpoortpark. He was consulted by Eskom regarding the construction of a line through his property (the line from Hlogotlou). The construction of the line is now going ahead but he has not been consulted in this regard.

It was established that the construction being referred to is most likely for a distribution line. The issue cannot be addressed at this meeting. Mr. Moses Khoza (Eskom Distribution representative at the meeting) requested to discuss Mr. Masha's problem outside the meeting.

#### **4.2 Construction**

*Mr Matome Tshehla* asked if it would be possible for Eskom to consider a double circuit line in the area near the dam because there is limited space. The dam, road and two servitudes for Eskom lines will affect their land use on the farm.

The comment was noted. However, Mrs Jo-Anne Thomas replied that only one 400 kV transmission line is planned between the Steelpoort Substation and the Merensky Substation. Two parallel lines are proposed for the loop in and out between the Duvha-Leseding line and the Steelpoort Substation. A double circuit line will be considered for this line where there are space constraints, and has been recommended as the preferred option for the length of the route.

#### **4.3 Route Alignments & Proposed Alternatives**

*Mr P Lubbe- Samancor Mining* - indicated that the proposed southern alternatives near Steelpoort crosses over Samancor Mine's properties, which are considered to be sensitive. A request was made for a focus group meeting with the mine Houses and Technical department of Eskom, to discuss the route through the area.

Comment noted.

*Mr T du Plessis* stated that there are currently seven power lines through his property. If another line through this property is to be constructed, this would make it impossible to continue with agricultural activities. Could this line not be placed on the plateau where it will not interfere with anyone? There are also development activities planned around the Steelpoort town such as housing development and mining. These would need to be taken into consideration when making final recommendations regarding the routing of the proposed Steelpoort-Merensky line.

Mr S Vilakazi explained that due to the topographical constraints of the area it would not be possible to construct the proposed line on the plateau. In some areas there would be serious constraints for the line, it is also stated that when a line is being constructed the shortest and most economical viable route for Eskom must be considered. He explained that the longer the power line route, the more power is lost, making the line less efficient in terms of electricity transmission.

#### **4.4 General Environmental Comments / Issues**

*Mr P Lubbe – Samancor* - posed a question regarding the various aloe species in the area and asked if any mitigation measures would be put in place to protect the aloes in the area especially during construction of the power lines? He added that these plants are sensitive and should be replanted elsewhere as far as possible.

Mrs Jo-Anne Thomas replied that this issue will be addressed through the ecological specialist study in the EIA phase.

#### **4.5 Communication Issues**

*Mr J Fernhout* indicated that an open cast mine is planned on the farm Spitskop. Consultation with the mining houses in the area is again requested.

Ms Jo-Anne Thomas indicated that this issue had already been raised at the key stakeholder workshop held for the project on 16 August 2007. She added that a meeting would be held with the relevant stakeholders in order to ensure that this planned development is considered in the final recommendations for the project.

#### **4.6 Social and Socio-Economic Issues**

*Mr. Magolego* posed a question to what will happen if the transmission line goes through important sites such land that is used for subsistence farming and cultural activities.

Mrs Jo-Anne Thomas explained that a corridor of approximately 500 m to 1 km for the power line is considered within the EIA process. Within this corridor, towers can be shifted slightly in order to avoid sensitive sites such as graves. The location of any heritage or cultural sites, as well as any other sensitive sites will be determined during the EIA Phase, negotiation phase or “walk through” phase.

*Tshehla Matome* asked if these new lines that are going to be constructed in the Rossenekal-Steelpoort area (Turn-ins; Steelpoort-Merensky and Duvha-Leseding) are going to strengthen the electricity supply in the local area.

Mr S Vilikazi explained that the new transmission power lines will indirectly benefit the area as they will supply power to the Merensky Substation from which most distribution lines for the area are connected.

## **5: WAY FORWARD AND CLOSURE**

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Jo-Anne Thomas summarised the way forward as follows:

- Draft Scoping Report available for review from 10 August to 10 September 2007
- Final Scoping Report to be submitted to DEAT for review and approval prior to undertaking the EIA
- Detailed specialist studies for identified issues to be undertaken in the EIA:
  - Potential impacts on flora, fauna & ecology
  - Potential impacts on avifauna
  - Potential visual impacts
  - Potential impacts on heritage sites
  - Potential impacts on the social environment

The facilitator thanked all that attended and invited them to join the team for refreshments.

The meeting ended at 11:30.

## **6: ATTENDANCE REGISTER**

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<b>Name</b>	<b>Organisation</b>
M J Radingawana	Mamjouru Tribal Council
M P Morufane	Mamjouru Tribal Council
Mafoko Masha	SANCO
Mr T Du Plessis	Land owner
Genexa Maliakoa	Spitskop
Joyce Seloane	

Final minutes – Public Meeting for the  
Proposed Steelpoort Integration Project

<b>Name</b>	<b>Organisation</b>
Dinah Morena	Project Manager Bambanani Home Community Base Care Project
Mr P Lubbe	Thubatse
Sunset Mmushi	Tshehla Trust
Richard Matome	Tshehla Trust
Phosisi Magolego	
Salminah Hlomane	
K Manfun	
Sameul Makanyane	Tshehla Trust
Jo-Anne Thomas	Savannah Environmental
Moses Khoza	Eskom
Mr J Fernhout	Chief surveyor ECM Samancor
Andrew Mohooa	Mohtrans Services Manager
Marti Moolman	Afrosearch
Chris le Roux	Afrosearch
Moses Mahlangu	Afrosearch
Sebenzile Vilakazi	Eskom Transmission

**APPENDIX A:  
PRESENTATION MATERIAL**

**STEELPOORT INTEGRATION PROJECT**

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**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS**

PUBLIC FEEDBACK MEETING  
18 AUGUST 2007




**DRAFT AGENDA**

- Welcome, introduction & apologies
- Purpose & process of the meeting
- Background and Technical Aspects regarding the Project
- EIA process and summary of the findings of the Scoping Study
- Discussion session
- The Way Forward & closure

**CONDUCT OF THE MEETING**

- Work through the facilitator
- Language of choice
- Do not interrupt speakers - there will be discussion time
- Equal participation
- Identify yourselves
- Cellphones

**PURPOSE OF THE MEETING**

- To provide I&APs with technical information regarding the proposed project
- To provide I&APs with feedback regarding the findings of the Scoping Study
- To provide I&APs the opportunity to seek clarity regarding the proposed project
- To record any additional comments, issues and concerns raised

**BACKGROUND TO THE PROJECT**

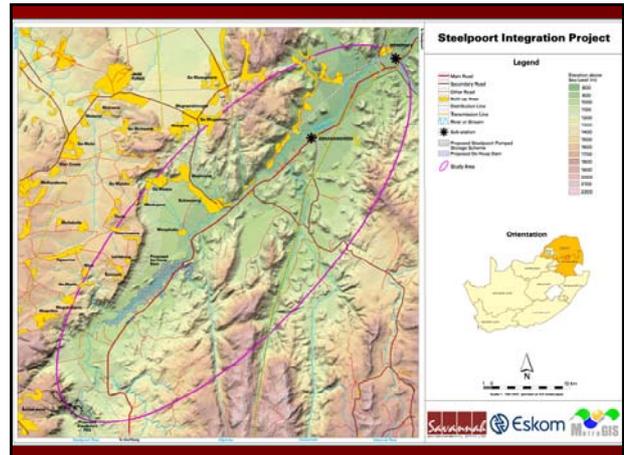
- Eskom is currently responding to the growing electricity demand within SA
- Will need to establish new generation & transmission capacity in SA over the next few years
- Through the Integrated Strategic Electricity Planning (ISEP) process, Eskom continually assesses the projected demand for electricity within South Africa.
- As part of this process, Eskom continues to investigate a variety of electricity generation options
- Pumped Storage Scheme (PSS) at Steelport planned as one of the electricity supply options

**BACKGROUND TO THE PROJECT**

- PSS will have an installed capacity of 1 520 MW, and is scheduled to be in operation by 2014
- PSS is the subject of a separate EIA process
- In order to integrate this PSS into the electricity transmission network, Eskom Transmission is proposing the Steelport Integration Project

## OVERVIEW OF THE STEELPOORT INTEGRATION PROJECT

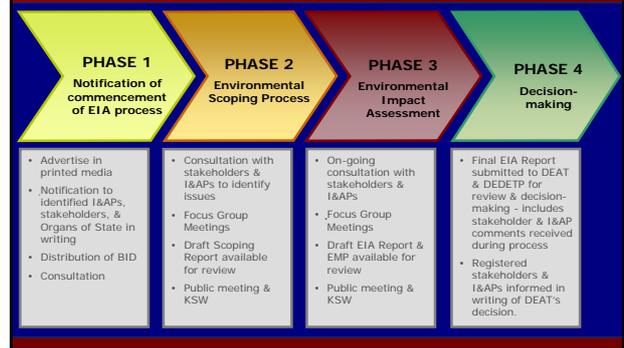
- A new 400kV substation, in close proximity to the PSS (referred to as the Steelport Substation)
- Two 400kV transmission power lines looping in and out of the Duvha-Leseding 400kV transmission power line to the proposed Steelport Substation
- A 400kV transmission power line between the proposed Steelport Substation and the existing Merensky Substation
- An additional feeder bay within the existing footprint of the Merensky Substation
- Associated works to integrate the new substation into Eskom's electricity transmission grid



## LEGAL CONTEXT

- National Environmental Management Act (No 107 of 1998)
  - Overarching environmental legislation in South Africa
  - Identifies and regulates activities which may have a detrimental impact on the environment
  - Specifies the EIA process
- Eskom requires authorisation from DEAT (in consultation with Limpopo Province DEDET)
- Independent environmental studies must be undertaken in accordance with the EIA Regulations

## EIA PROCESS & PUBLIC INVOLVEMENT

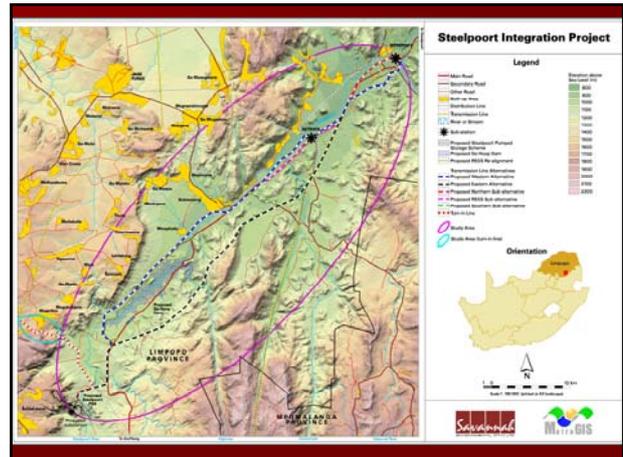
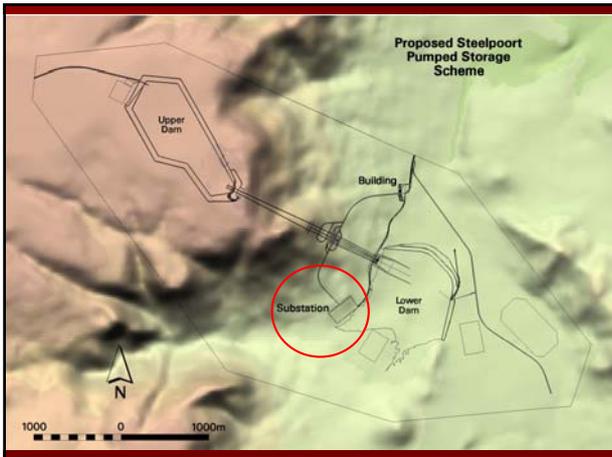


## ALTERNATIVES

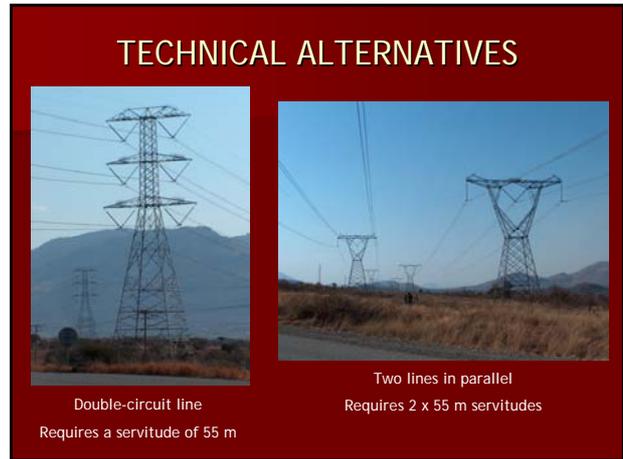
- Reasonable & feasible alternatives required to be considered in terms of the EIA Regulations
- 'Do nothing' alternative
  - Option of not constructing the Steelport Integration Project
  - Will result in the PSS not being integrated into the transmission network and the power generated by the PSS not being transmitted
  - Not considered to be a feasible alternative
  - Not considered further in the EIA process

## ALTERNATIVES

- Substation site alternatives
  - Location of the substation constrained by the location of the PSS, technical and economic constraints and physical factors
  - Only one reasonable & feasible substation site has been identified for consideration within the EIA process
  - Located on Portions 1 & 7 of the farm Luipershoek 149 JS
  - Properties are owned by a private landowner
  - This is the development site which is considered within the Scoping Study



- ## ALTERNATIVES
- Turn-in lines between the Steelport substation & the Duvha-Leseding power line
    - Only one reasonable & feasible alternative transmission power line corridor identified for consideration within the EIA process due to topographical constraints of the area
    - Technical alternatives identified for consideration in the EIA

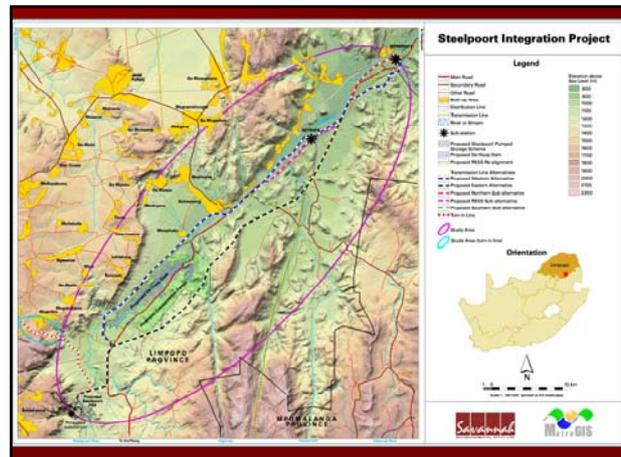


- ## ISSUES IDENTIFIED THROUGH THE SCOPING STUDY
- Impacts on topography, climate & hydrology
  - Impacts on flora, fauna & ecology
  - Impacts on avifauna (birds)
  - Impacts on agricultural potential
  - Visual impacts
  - Impacts on heritage sites
  - Impacts on the social environment (including land use & tourism potential)

- ## EVALUATION OF SUBSTATION SITE
- Majority of potential impacts identified to be associated with the construction & operation of the proposed substation are anticipated to be localised & restricted to the site
  - No environmental fatal flaws identified
  - A number of issues requiring further study have been highlighted.
  - These issues will be assessed in detail within the EIA phase of the process

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Varying conclusions with regards to the preferred alternative from the specialist studies undertaken:
  - Western alternative will minimise potential impacts on ecology and agricultural potential
  - Northern sub-alternative will aid in further minimising ecological impacts
  - R555 sub-alternative preferred from an avifauna perspective
  - Eastern alternative is nominated as the preferred alternative from a social and heritage perspective
  - Southern sub-alternative preferred from a visual perspective
- Eastern alternative crosses the DWAF Conservation Area
  - Protected in terms of the National Forests Act (No 84 of 1998)
  - Any activities which may cause deforestation in this area (such as the establishment and maintenance of a power line servitude) are prohibited



## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

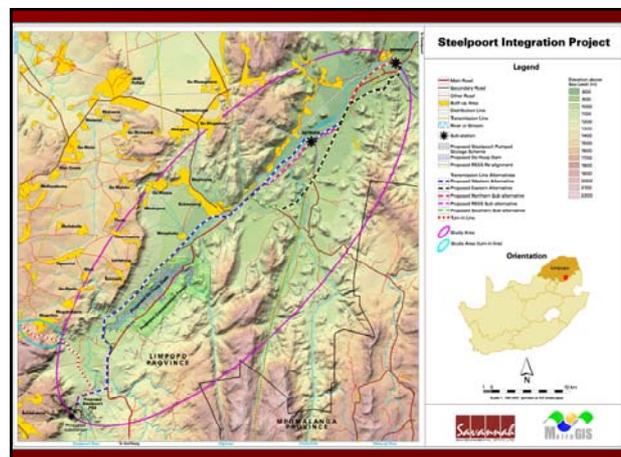
- Eastern alternative
  - DEAT and DWAF have indicated that an alignment through this Conservation Area would not be considered favourably for authorisation
  - Considered to be a fatal flaw to the establishment of a transmission power line within this section of the eastern alternative alignment
  - This section of the eastern alternative is eliminated as a feasible option
- From a social and heritage perspective, the next best option was selected for further investigation in the EIA

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Heritage:
  - Majority of sites of potential significance which could be potentially impacted are located within the south-western section of the study area.
  - Alignment of the proposed transmission power line along any of the sub-alternatives identified will make little difference to the significance of the potential impacts on these sites.
  - Impacts on these sites may be of high significance and this aspect requires further investigation within the EIA phase

## EVALUATION OF STEELPOORT-MERENSKY CORRIDOR ALTERNATIVES

- Social:
  - Second preferred alignment is the western alternative following the R555 sub-alternative alignment
  - Potential impacts include impacts on settlements, established tourism areas (game lodges) or areas with tourism potential (the De Hoop Dam).
  - Detailed assessment of this alternative is required in the EIA phase of the study in order to define mitigation measures to minimise potential impacts



## EVALUATION OF TURN-IN LINE ALTERNATIVES

- Construction of a single double-circuit line would limit the amount of space required for the establishment of the powerline (i.e. 55 m vs. 110 m)
- This technical option could minimise the majority of impacts on both the biophysical & social environment
- The option of constructing a single double-circuit line is the preferred option from an environmental perspective
- May have implications to the operation of the powerline:
  - more perching space for birds on the towers
  - bigger risk of streamer-induced faulting on these towers
- No environmental fatal flaws identified
- A number of issues requiring further study in the EIA have been highlighted

## EVALUATION OF CUMULATIVE IMPACTS

- Currently numerous development projects underway in the study area
  - PSS & associated pipeline to the De Hoop Dam
  - De Hoop Dam & R555 realignment
  - Planned & existing mining operations
  - Planned & existing residential developments
- These developments all impact on the surrounding environment in some way
- There is the potential for the proposed project to add to the cumulative impact on the local environment
- Potential cumulative impacts will require further investigation within the EIA

## DISCUSSION

## WAY FORWARD

- Draft Scoping Report available for review from 10 August to 10 September 2007
- Final Scoping Report to be submitted to DEAT for review and approval prior to undertaking the EIA
- Detailed specialist studies for identified issues to be undertaken in the EIA:
  - Potential impacts on flora, fauna & ecology
  - Potential impacts on avifauna
  - Potential visual impacts
  - Potential impacts on heritage sites
  - Potential impacts on the social environment