<b>P</b> age <b>1</b> of <b>6</b>		Minutes of Meeting — Bakubung Ba Ra-Theo
Revision Date:	2008-05-29	Document Title:
Revision No:	001	
Approved By:	M Mahlangu	
Composed By:	S Mohlala	
Document No:	MIS-FOR-009	

# **Minutes of Meeting**

Meeting Details				
Project	Ngwedi (Mogwase) Substation and Turn – Ins Transmission project.			
Meeting	Focus Group Meeting Date 24 January 2011			
Venue	/enue Bakubung Ba Ra-Theo Traditional Council (BBRTC) Time 13H00			
Consultants Margen Industrial Services and PBA International (Pty) Ltd.				

#### Purpose of Discussion:

To discuss the findings of the draft environmental impact report (DEIR). To gather concerns and issues regarding the finding of the DEIR.

Present	Representing	Capacity
Mr. M Mahlalela	BBRTC	Council member
Mr. G Melato	BBRTC	Council member
Ms. M Diale	BBRTC	Council member
Ms. C Tshetlhe	BBRTC	Council member
Ms. P Pilane	BBRTC	Council member
Mr. F Moatshe	BBRTC	Council Member
Ms. AB Mvula	BBRTC	Council Member
Mr. TK Maditse	BBRTC	Council member
Mr. S Mohlala	Margen Industrial Services	PIP Project Officer
Mr. M Mahlangu	Margen Industrial Services	PIP Project Manager
Mr. S Vilakazi	Eskom Transmission	EIA Project Manager
Ms. N Saleshando	PBA International	EIA Project Manager

Тор	Topics of Discussion - Agenda					
Item	Discussion	Presented By				
1	Welcome & Introduction	Mr G Melato				
2	Apologies	None				
3	Purpose of this meeting	Mr Solly Mohlala				
4	Presentation	Mr. Tsepo Lepono				
5	Discussion	All attendees				
6	Way Forward	Mr Solly Mohlala				
7	Closure	Mr. G Melato				

	Page 2 of 6		Traditional Authority
	Page 2 of 6		Minutes of Meeting — Bakubung Ba Ra-Theo
[	Revision Date:	2008-05-29	Document Title:
ſ	Revision No:	001	
	Approved By:	M Mahlangu	
	Composed By:	S Mohlala	
L	Document No:	MIS-FOR-009	

Item	Agenda	Discussion
1	Welcome & Introduction	Mr. G Melato opened the meeting and asked the council members to introduce themselves before the project team. Mr. Solly Mohlala introduced the project team
2	Apologies	No apology was tendered
3	Purpose of this meeting	To discuss the findings of the draft environmental impact report (DEIR). To gather concerns and issues regarding the finding of the DEIR.
4	Presentation	Mr. Tsepo Lepono gave background about Medupi Integration, its relationship to Ngwedi (Mogwase) Project and Project motivation thereof. (See <b>Appendix 1</b> ).  Mr. Tsepo Lepono gave an explanation of the project and the EIA process to be followed for this project (see <b>Appendix 2</b> ).
5	Discussion	Various issues were discussed after the project presentation. These have been captured in table format (see <b>Appendix 3</b> ).
6	Way Forward	Mr. Mohlala said the DEIR will be available for public review at the information point Stakeholders can comment not later than the 17 February 2011.
7	Closure	Mr. Mohlala thanked all the attendees for the opportunity to present the findings of the DEIR for the proposed project.

#### Appendix 1

#### Background about Medupi Integration and its relationship to Ngwedi (Mogwase) Project

The proposed project will feed from the Medupi Integration Project, which is Eskom's focal for the expansion of its' Generation, Transmission and Distribution capacity. The massive coalfields in the Waterberg area are the new Generation centres, that will power the Medupi Power Station currently under construction. The power generated from this Power Station and the surplus capacity from Mmamabula Power Station in Botswana will augment the Eskom's Generation capacity. An integration power corridor network comprising of 6x765kV Transmission power lines from Masa (Delta) to Selemo (Epsilon), supplemented by 3x400kV power lines to Rustenburg and Brits, 2x400kV power lines to Polokwane and the existing 400kV network will transmit the generated power to the various load centres spread throughout the country. The 6x765 Masa (Delta) – Selemo (Epsilon) Transmission power lines are to run in two corridors of 3 lines each. The proposed Ngwedi (Mogwase) substation will be supplied by one these two corridors.

Document No:	MIS-FOR-009
Composed By:	S Mohlala
Approved By:	M Mahlangu
Revision No:	001
Revision Date:	2008-05-29

Page 3 of 6

Document Title: Minutes of Meeting - Bakubung Ba Ra-Theo

**Traditional Authority** 

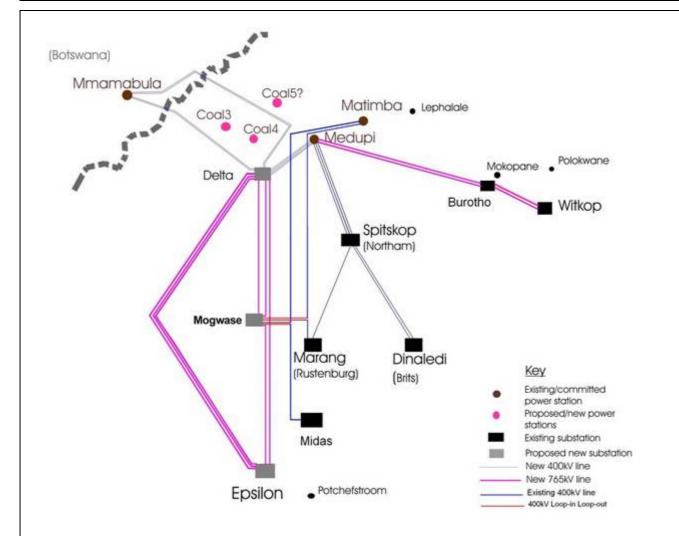


Figure 1: Schematic for the Medupi Integration Project

(Source EIA for Masa (Delta)- Selemo (Epsilon) 6 X 765kV Transmission Power Lines)

#### **Project Motivation**

The Transmission network servicing the general study area and four Main Transmission Substations supply beyond: namely Marang, Ararat, Trident and Bighorn. In 2010, the Rustenburg load peaked at 1880MW and Ararat MTS is operating at the maximum design limit, which has placed part of the network under pressure. At the same time, Eskom's investigations have indicated that over the next 20 years to 2030, the demand for electricity is forecasted to increase by 50% in the Rustenburg area. A large portion will be taken up by the expansion of several mining operations occurring in the area. The proposed Nawedi (Mogwase) substation and associated turn-ins project will de-load Ararat MTS and create additional power to augment the current supply load to Rustenburg and areas between Spitskop and Ararat.

Document No:	MIS-FOR-009	
Composed By:	S Mohlala	
Approved By:	M Mahlangu	
Revision No:	001	
Revision Date:	2008-05-29	Document Title:
Page 4 of 6		Minutes of Meeting — Bakubung Ba Ra-Theo Traditional Authority

Appendix 2

## An explanation of the project and the EIA process to be followed for this project

### **Project Description**

The proposed project will result in the construction of the following:

- Ngwedi (Mogwase) Mani Transmission Substation on a 600m x 600m plot.
- Looping the Matimba-Midas 400kV line in and out of Ngwedi (Mogwase) MTS by establishing 2 x 400kV turn-ins.
- Looping the Matimba-Marang 400kV in and out of Ngwedi (Mogwase) MTS by establishing 2 x 400kV turn-ins.
- Operate and terminate a 400kV power line from Masa (Delta) to Ngwedi (Mogwase) MTS.
- Looping the 765kV power line from Masa (Delta) substation to Ngwedi (Mogwase) MTS and to Selemo (Epsilon) substation. This line will be operated as a 400kV.
- Install 2 x 500MVA, 400/132kV transformers in a yard terraced for 4 x 500MVA, 400/132kV units.
- Terrace the Ngwedi (Mogwase) 400kV yard for an end-state of 5x400kV feeders.
- Terrace the Ngwedi (Mogwase) 132kV yard for an end-state of 10x 132kV feeders.
- Establishing the control building, telecommunication infrastructure and oil dam.
- Establishing the access road infrastructure to and within Ngwedi (Mogwase) MTS.

The associated turn-ins from Matimba – Marang and Matimba – Midas 400kV lines are to increase the reliability of electricity supply to Rustenburg by improving the transient stability of Matimba Power Station. In addition, between four and six Distribution power lines will connect Ngwedi (Mogwase) substation to several Distribution substations in the vicinity.

# **Project Alternatives**

The study identified a total of 13 potential sites for the proposed substation and of these, 5 sites are to be assessed in detail in the EIA phase. In Scoping, Site A - C were subjected to scoping phase investigations, a desktop review for site D by the various specialists.

The remaining sites were only subjected to the site selection screening exercise. 5 corridors in total were identified and only the first three corridors were subjected to specialist.

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Document No:	MIS-FOR-009
Composed By:	S Mohlala
Approved By:	M Mahlangu
Revision No:	001
Revision Date:	2008-05-29

Page 5 of 6

Document Title:

Minutes of Meeting — Bakubung Ba Ra-Theo Traditional Authority

# **SEQUENCE OF EVENTS (Scoping and EIA)**

#### **Scoping Phase:**

- Application form submitted to DEA [19 July 2009]
- The application was acknowledged [ 24 July 2009]
- Consent from landowner at the substation [ 26 June 2009]
- Register of I&APs opened and maintained until EIR is submitted to authority [ Ongoing]
- Advertise the project in local newspapers [ 07 August 2009]
- Put site notices at substation site [ 11 August 2009]
- Information disseminating documents distributed to stakeholders [Ongoing]
- Capture the issues and comments in a register that will evolve into a Comments and Response Report [Ongoing]
- Nominate preferred alternatives for detailed investigation in the EIA [EIA Phase]
- Public review of Scoping report [ 05 July 2010 to 13 August 2010]



Submit the Scoping Report and Plan of Study for EIA to DEA [September 2010]



#### **EIA Phase**

- Specialists conduct detailed study of potential impacts (Positive & Negative) associated with the alternatives nominated in the Scoping Phase.
- o Public participation continues
- o Integrate all specialist reports findings and inputs from I&APs
- o Public review of the EIR
- o Submit final EIR to DWEA



Notify I&APs about the authorization outcome and allow 30 days appeal period.

Document No:	MIS-FOR-009
Composed By:	S Mohlala
Approved By:	M Mahlangu
Revision No:	001
Revision Date:	2008-05-29

Page 6 of 6

Document Title:

## Minutes of Meeting — Bakubung Ba Ra-Theo Traditional Authority

No	Issue	Raised By	Response
1	How do you handle the negotiation process if there is dispute about the ownership of a property or if there is land claim? This problem might arise on the farm Palmietfontein	Mr. Melato	Eskom Tx has handled negotiations for properties that are under claim before and it is believed that both the disputing parties will be consulted and the money to be paid for the servitude will be kept somewhere until the dispute is resolved.
2	How many hectors is the foot print of the proposed substation and we want to know if this size is not going to affect the proposed mines in the area.	Mr. Pilane	The substation site will be 600m x 600m. The consultation process included the mines and the proposed site for the substation has been decided based on the input of all potentially affected stakeholders

<sup>•</sup> Comments: The council accepts the recommended routes and substation site. Members of the council reported that the community has taken a resolution that the project be allowed to go ahead in the area as proposed.