

Document No:	MIS-FOR-009	Document Title: Minutes of Meeting – Impala Platinum Mine
Composed By:	S Mohlala	
Approved By:	M Mahlangu	
Revision No:	001	
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Minutes of Meeting

Meeting Details			
Project	Ngwedi (Mogwase) Substation and Turn – Ins Transmission project.		
Meeting	Focus Group Meeting	Date	01 July 2010
Venue	Impala Platinum Projects	Time	11H30
Consultants	Margen Industrial Services and PBA International (Pty) Ltd.		
<u>Purpose of Discussion:</u>			
To discuss the findings of the draft scoping report. To gather concerns and issues regarding the finding of the draft scoping report.			

Present	Representing	Capacity
Mr. A Burn	Royal Bafokeng Platinum	Engineer
Mr. R Bingle	Impala Platinum Mine	Engineer
Mr. J Chetty	Anglo Platinum	Senior: Electrical Engineer
Mr. G Lintvelt	EHL Consulting Engineering	Engineer
Mr. E Kemm	Royal Bafokeng Administration	Manager: Physical Planning
Mr. V Townsend	Impala Platinum Mine	Group Engineering Manager
Mr. S Mohlala	Margen Industrial Services	PIP Officer
Mr. C Le Roux	Margen Industrial Services	PIP Assistant Manager
Mr. M Mahlangu	Margen Industrial Services	PIP Manager
Ms. N Saleshando	PBA International	EIA Project Manager
Mr. S Vilakazi	Eskom Transmission	EIA Project Manager
Mr. M Songo	Eskom Transmission	Chief Planner Engineer

Topics of Discussion - Agenda		
Item	Discussion	Presented By
1	Welcome & Introduction	Mr Solly Mohlala
2	Apologies	No apology
3	Purpose of this meeting	Mr Solly Mohlala
4	Presentation	Mrs. Ntšebo Saleshando & Mr Mfundi Songo
5	Discussion	All attendees
6	Way Forward	Mr Solly Mohlala
7	Closure	Mr Solly Mohlala

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Minutes

Item	Agenda	Discussion
1	Welcome & Introduction	Mr. Solly Mohlala opened the meeting by introducing the project team and asking the attendees to introduce themselves to the study team.
2	Apologies	Mr. Pat King
3	Purpose of this meeting	To discuss the findings of draft scoping report. To gather concerns and issues regarding the findings of the draft scoping report for the proposed project.
4	Presentation	Mfundi Songo gave background about Medupi Integration, its relationship to Ngwedi (Mogwase) Project and Project motivation thereof. (See Appendix 1). Ntšebo Saleshando gave an explanation of the project and the EIA process to be followed for this project (see Appendix 2).
5	Discussion	Various issues were discussed after the project presentation. These have been captured in table format (see Appendix 3).
6	Way Forward	Mr. Mohlala said the draft scoping report will be available for public review at the information points. Stakeholders must submit their written comments to the public participation office not later than the 13 August 2010. Stakeholders are invited to attend a public meeting scheduled for 27 July 2010.
7	Closure	Mr. Mohlala thanked all the attendees for the opportunity to present the findings of the draft scoping report 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.

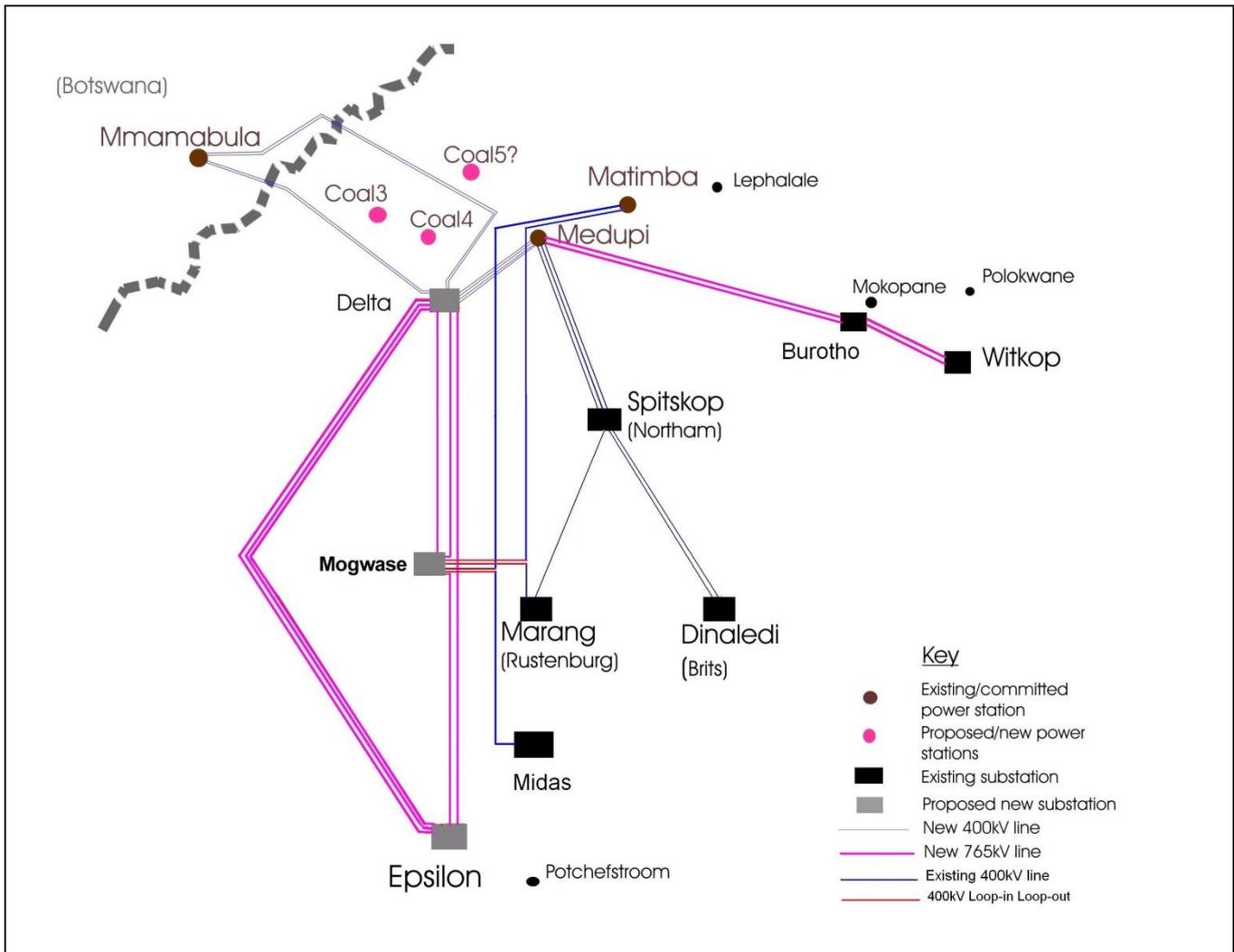


Figure 1: Schematic for the Medupi Integration Project
 (Source EIA for Masa (Delta)- Selemo (Epsilon) 6 X 765kV Transmission Power Lines)

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 Ngwedi (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.

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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.

The EIA process to be followed for this project:

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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.
- Public participation continues
- Integrate all specialist reports findings and inputs from I&APs
- Public review of the EIR
- Submit final EIR to DWEA



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No	Issue	Raised By	Response
1	<ul style="list-style-type: none"> We are planning to get another fourth shaft, will Ngwedi cater us? Why are you taking these new 765kV lines from Delta (Masa) to Epsilon (Selemo) substation? What is the servitude size for the three power lines going to Ngwedi substation? Is this proposal for Mogwase Substation suggesting that the routes for the proposed 765kV lines changed? During the technical presentation it was mentioned that the number of 765kV lines and the planned power stations in the Waterberg area will ensure that in the long term Eskom does not repeatedly come to stakeholders and ask for more servitudes. Are these plans fixed for 20 years, will there being enough power stations to ensure this fixed plan? Is Eskom still going to apply for funds for the construction of the new substation and associated turn-ins? 	Mr. R Bingle	<ul style="list-style-type: none"> Mr M Songo: Yes, The proposed Ngwedi (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. Mr. M Songo: Because we want to strengthen the Western Cape and Kwa-Zulu Natal network grid Mr. Sebenzile Vilakazi: Servitude size for 1 x 765 power line is 80m, and then from the centre line is half which is 40m. Single line servitude is 55m for 400kV. Ngwedi (Mogwase) project one line is 765kV and the others are 400kV that will be 55m plus 80m Mr. M Songo: The routes for the 765kV lines to Potchefstroom have not been changed. The recommended routes in the FEIR for the project are still under consideration by the authority Currently only Medupi power station and Mmamabula power station are committed for construction. Beyond the two power stations factors such as availability of water and other factors will determine the number of new power stations to be constructed in the Waterberg area. Mr. S Vilakazi: Funds are available and this project form part of Mmamabula and Medupi power stations integration
2	<ul style="list-style-type: none"> The cross rope suspension tower, it seems easy to fall, have you encounter such a problem? Your power lines are going through our sewerage plant and shaft locations in the farm Styldrift. Is it possible for power lines to cross through open cast mining area? When are you finalising the 	Mr. V Townsend	<ul style="list-style-type: none"> Mr. M Songo: Yes it looks like it can fall any time, but fortunately we did not experience that in our networks. Mr. M Songo: Comment noted Mr. S Vilakazi: No, in terms of Eskom's policies the company has the right to impose some restrictions and/or allowances on certain activities within their servitudes. These for example include: Restrictions such as: No blasting or excavating within the servitude area. Allowances such as: Vegetation clearing and animal movement within the servitude area. Mr. S Vilakazi: We need to go through the

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No	Issue	Raised By	Response
	<p>routes?</p> <ul style="list-style-type: none"> It was mentioned at the meeting that Turnbury Mine has indicated that they are willing to give a site for a substation; 		<p>EIA studies get the environmental authorization then go through the negotiation process with the directly affected landowners; probably it will take 3 years to get started with the construction.</p> <ul style="list-style-type: none"> Mr. M Songo: This possibly referred to Eskom Distribution substation, but we will make a follow-up to find out if the new proposed Eskom Transmission substation could not be accommodated on the same site.
3	<ul style="list-style-type: none"> Does bush fire influence the pole structure? Do you have a problem of birds crossing your pole structures? When and where is Eskom going to put solar systems to generate power for the grit strengthening? 	Mr. J Chetty	<ul style="list-style-type: none"> Mr. M Songo: Yes the environment indicates to us what type of pole structure must be used. Mr. M Songo: No, we put bird perching on the power line. Mr. M Songo: Currently investigation and trials for such a system are taking place in the Karoo area.