Minutes of Meeting

Meeting Details

Project	Ngwedi (Mogwase) Substation and Turn – Ins Transmission project.		
Meeting	Focus Group Meeting	**Date**	24 January 2011
Venue	Impala Platinum Projects	**Time**	10H00
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. R Bingle	Impala Platinum Mine	Engineer
Mr. E Kemm	Royal Bafokeng Administration	Manager: Physical Planning
Mr. V Townsend	Impala Platinum Mine	Group Engineering Manager
Mrs. C Theron	CTE Representing Wesizwe Platinum	EIA Manager
Mr. AA Burn	Royal Bafokeng Platinum	Engineer
Mr. LP Raseleka	IMPLATS	Electrical Engineer
Ms. NJ Nel	Impala Platinum Mine	
Mr. S Mohlala	Margen Industrial Services	PIP Officer
Mr. M Mahlangu	Margen Industrial Services	PIP Manager
Mr. Tsepo Lepono	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 Tšepo Lepono
4	Presentation	Mr. Tšepo Lepono & Mr Mfundi Songo
5	Discussion	All attendees
6	Way Forward	Mr Solly Mohlala
7	Closure	Mr Solly Mohlala

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	No apologies was rendered
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	Mfundi Songo gave background about Medupi Integration, its relationship to Ngwedi (Mogwase) Project and Project motivation thereof. (See **Appendix 1**). Tšepo Lepono 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 DEIR 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 17 February 2011.
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.

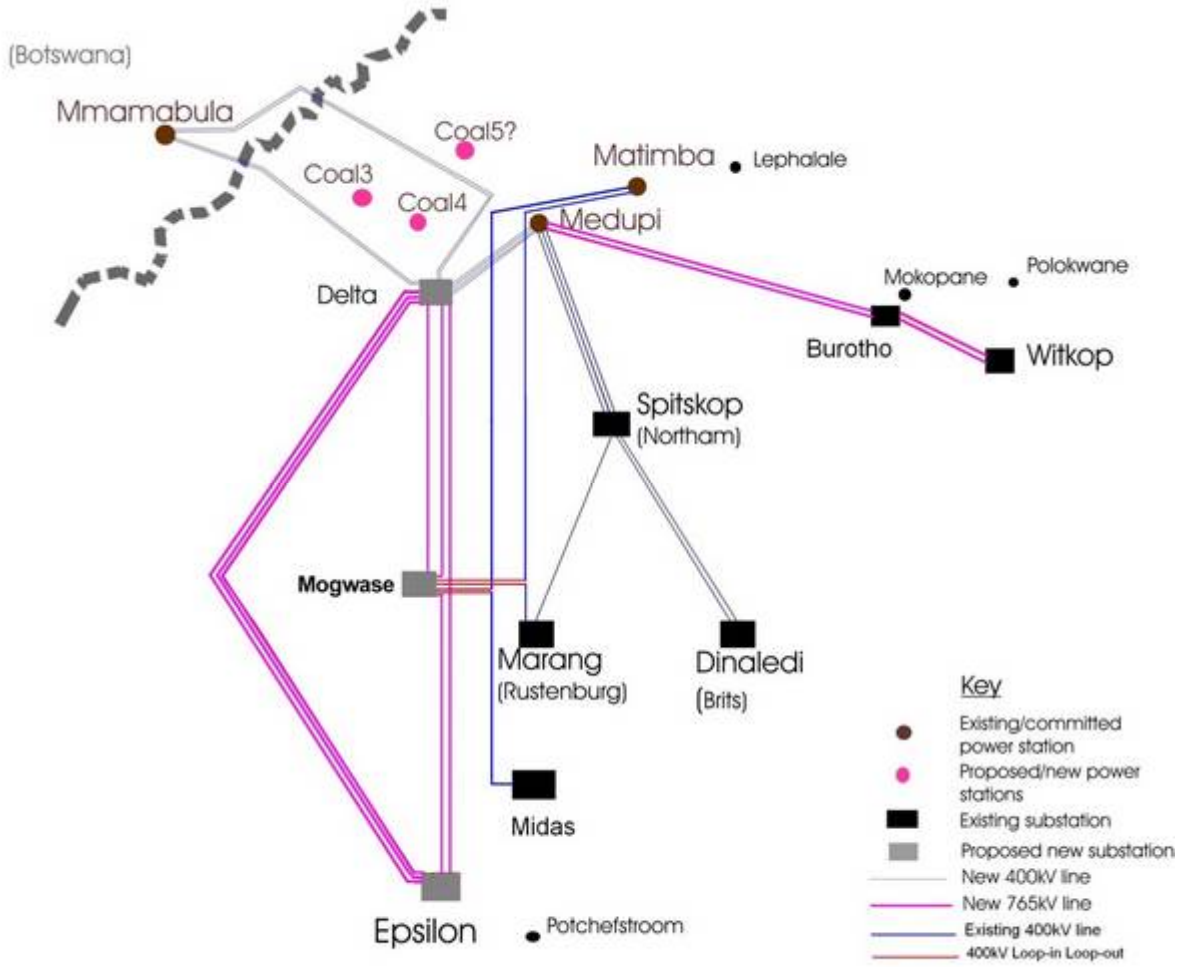

Figure 1: Schematic for the Medupi Integration Project
(Source EIA for Masa (Delta)- Selemo (Epsilon) 6 X 765kV Transmission Power Lines)

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.

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:

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]

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

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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	• The power from Botswana is generated from what source?	Mr. Townsend	• Mfundi Songo: Botswana will use coal to generate electricity and the surplus electricity will be sold to South Africa. This coal will be transmitted to South Africa using the recently authorized Mmamabula – Medupi 400kV transmission lines.
2	Can someone from Eskom enlighten us more about the construction taking place at Dinaledi substation?	Mr. A Burn	• Dinaledi substation has always been supplied by one line from Matimba Power station and this has resulted in constant failure and problems at this substation. An extra line has now been added from Apolo and there will be one line from Spitskop.
3	• In terms of the five big substations receiving upgrading around Rustenburg-Brits area, Ararat does not feature	Mr. A Burn	• Mfundi Songo: Ararat will receive supply by one line from Marang. If all substations around Rustenburg near their full capacity, Eskom Transmission will consider building a new substation between Marang and Dinaledi.
4	• In terms of quality don't you think the new furnaces in smelters in the area of Pilanesberg-Rustenburg will have an impact?	Mr. Townsend	• Quality will not be impacted because the current plans and improvements that are being effected in the transmission infrastructure of Pilanesberg –Rustenburg area will accommodate the extra demands. The only problem might be false levels and Eskom Transmissions will put in controls for this.
5	• How safe and stable are the cross rope towers. What will happen when the anchors are cut off?		• Eskom Tx has never experience an incident of anchors being cut or damaged. Each tower is supported by several anchors and damage to one tower is not expected to pose serious danger.
6	• What is the extent to which the line can sag due to heating without posing danger to the public?		• Heating does pose any danger as it was designed to observe and tolerate the heat.
• Comments: It is hereby recorded that the recommended routes and substation are accepted by stakeholders who attended the meeting and that any significant changes on these recommendations will be communicated to potentially affected stakeholders			