

## Comment and Response Document – Mogwase Project

Comment	Date	Event	Raised by	Response
<b>1. JOB CREATION &amp; LOCAL OPPORTUNITIES</b>				
Personally I am happy that this kind of project it will be constructed in my area, I believe is of national interest so directly or indirectly people of Ledig will benefit from this project. i.e. job opportunities	11 August 2009	Meeting with Bakubung Ba-Ratheo Traditional Council	DJ Phologane	Mfundi Songo: Comment noted. To have a reliable source that will keep the network running until 2014, we need to construct Ngwedi substation to keep catering the development around Rustenburg. .
You speak a lot about Eskom project but you don't speak of community's needs, challenges or problems. What will the community of Chaneng benefit from this project?	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	Job opportunities like clearing bushes and servitude maintenance.
We need to know how many people are needed for unskilled jobs relating to this project, we need a local committee from Eskom to ensure employment system is done in a proper way.	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	Comment noted: We don't have the numbers of people needed for employment as the project just started even the contractor is not appointed yet.
Eskom needs to see to it that the people of Chaneng benefit from these kinds of projects i.e. through procurement process (tenders).	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	Comment noted: Eskom will inform the main contractor to consider the small local contractors for other jobs.
We need one stop shop, our community members' travel for long distance to go to buy electricity using lots of money instead of using the money for electricity; they use it for paying transport fare.	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	We are happy that we can gather this kind of concerns, because this will enhance our shared customer service.
We need local contact to address our local issues instead of phoning Polokwane to report electricity faults.	11 August 2009	Meeting with Community of Chaneng	Thabo Tsheole	Comment noted

Are there any jobs?	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau		Kgosi Maselwane	Sebenzile Vilakazi: There are possibilities of jobs, but for unskilled labourer, like clearing bushes.
Attendee asked if the project will create job opportunities for the community of Chaneng	27 July 2010	Chaneng Meeting	Public	Attendees	Sebenzile Vilakazi: Eskom will talk to the appointed contractor to considered employing the local people for an unskilled labour. Is normally only a once off employment opportunity. (e.g. clearing of bushes)
The attendee pointed out that they want sustainable jobs and training?	27 July 2010	Chaneng Meeting	Public	Attendees	Sebenzile Vilakazi: Comment noted: These kinds of projects involve high expertise that requires specialisation, it will create few jobs like clearing of bushes
The attendee Stated that Eskom must not tell them that Royal Bafokeng is the responsible authority for employment or compensation for the servitude. They are the directly affected people and that is their e land. The community must benefit from the project	27 July 2010	Chaneng Meeting	Public	Attendees	Sebenzile Vilakazi: Comment noted.
Can you give the estimated numbers of people to be employed?	25 January 2011	Chaneng Meeting	Public	Joseph	Right now we not sure because we are still busy with EIA studies, but once Eskom appoint the contractor for construction we will have the numbers
Can we have Eskom committing to the fact that local contractors will be giving preference during construction?	25 January 2011	Chaneng Meeting	Public	Joseph	Sebenzile Vilakazi: we commit ourselves
Will Eskom require labour brokers to handle recruitment?	25 January 2011	Chaneng Meeting	Public	Kabelo	Yes, Eskom uses labour brokers.
Do we have to register on Eskom database to be recognised	25 January 2011	Chaneng Meeting	Public	Kabelo	No really, they will phone the local municipality requiring local contractors.

Training is needed to ensure that our people are skilled and ready to this project.	25 January 2011	Chaneng Meeting	Public	Mr. S Mmope	Vilakazi: Comment noted. There are Learnership in our website where people with matric maths and science are needed, please visit the website and apply.
I want to know is Eskom considering gender.	25 January 2011	Chaneng Meeting	Public	Ms. L Sekete	Sebenzile Vilakazi: No, all people are welcomed, be it women and men.
What will we benefit from this project?	26 January 2011	Bapo Meeting	Community	Mr. Raborifi	During construction phase contractor will require people to do bush clearing and digging trenches. You will be compensated for servitude. Electricity capacity in your area will be strengthened due to the construction of Ngwedi substation.
What will the community of Mmatau benefit from this project?	27 January 2011	Mmatau Meeting	Community	Mr Segone	Tšepo Lepono: Indirectly they will get electricity with high capacity than before and get jobs till the end of the project.
What available job opportunities are there for the local contractors and residents at large?	27 January 2011	Mmatau Meeting	Community	Kgosi Maselwane	Due to seriousness and complexity of the jobs related to this project, only clearing of bushes and digging of trenches is available for employment. Eskom will only instruct the prospective contractor to outsource some of the duties to local contractors.
Even if you are not going to use corridor 3 for your power line but please when employing for this project consider taking people from all surrounding villages.	27 January 2011	Mmatau Meeting	Community	Mr. Shabangu	Comment noted
<b>2. SAFETY &amp; WELLBEING</b>					
What is the required distance between households and the location of the proposed substation.(Site B)	11 August 2009	Meeting with Community of Chaneng		Clr. Modibeng	80 meters away from the located substation.

As we know Electricity is dangerous, will it burn our land?	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau	Kgosi Maselwane	Phuti Makweya: There are safety measures that are in place to combat such disaster.
Other thing that is quite odd here, is all the areas from here towards 20-Shaft is pretty much geologically disturbed, so there's a lot of stuff left is sited No... By contrast, in seismicity terms quite stable, because it is not a high extraction rate. The more you leave in sited, the lower your chances of seismicity.	16 April 201	Impala Platinum Mine	Les Gardner	Is it unstable?
The Council of Geo Science has been recording seismic activity in this area for the last 20 years and the maximum they've recorded was about 3.7Gs. Since we've installed seismometers on Impala, we haven't measured any natural seismicity in the last 8 years (relating to natural faults). Yes, we do have faults, but less than 1% of the seismicity recorded by Impala, is fault related. A fault could also be a dike. Our local magnitudes have certainly not been more than 2 ½Gs and then we're talking about fairly deep, more than 800m deep. We have the Rustenburg fault that runs through the area.	16 April 201	Impala Platinum Mine	Johan Scheepers	We are aware that there are quite a few north-south faults in this area. Does Impala have faults, or have you picked up any seismic activity relating to these faults?
Fred Summary: Site C has got some risk to it, as far as tectonic activities are going to be. We don't know to what magnitude, but there is a possibility as a result of that area being mined at depth. The safer way will be to have a site more to the west.	16 April 201	Impala Platinum Mine	Fred	Comment noted
The cross rope suspension tower, it	01 July 2010	Impala Platinum	Mr. V Townsend	Mr. M Songo: Yes it looks like it can

seems easy to fall, have you encounter such a problem?		Mine Focus Group Meeting		fall any time, but fortunately we did not experience that in our networks.
Does bush fire influence the pole structure?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. J Chetty	Mr. M Songo: Yes the environment indicates to us what type of pole structure must be used.
Do you have a problem of birds crossing your pole structures?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. J Chetty	Mr. M Songo: No, we put bird perching on the power line.
Pylons that are currently used poses a serious safety hazard to landowners, especially during fire fighting because they are massive structures which can easily be collided with when there is heavy smoke during veld fire fighting	01 July 2010	Focus Group Meeting Landowner	Attendees	Comment noted:
The Tribal authority have a problem of fire starting due to Eskom not maintaining the servitude properly, when Eskom need the servitude they gave a lot of attention to the area but as soon as the servitude is registered they forget about maintaining it.	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	S Matshellwe	Moses Mahlangu: In some instance Eskom agrees with the property owner to maintain the servitude then the Eskom pays for the service.
Enquire what if electric (power lines or substation) faults cause fire?	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	J Mabalane	Moses Mahlangu: Comment noted: In some cases Eskom will need substantial evidence or proof that the power lines causes the fire, the effected party will be compensated for the loss.
Asked if Eskom experience theft of cables. He asked that because some of the	26 July 2010	Bakwena Ba Modimosana Ba	Attendee	Moses Mahlangu: Pointed out that is good question, it is very dangerous to

people have a criminal site and can try to steal the cable, so he want to advise Eskom to make it very clear how dangerous and important it is to stay away from live electricity or theft there of.		Mmatau Traditional Council Focus Group Meeting		hold live cables of this magnitude, and it normally kills you immediately. So it is advisable to share this information and let people know the expectation of theft of live apparatus.
Does lightning affect the power line or infrastructure close to them?	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	N Ramalosa	Eskom Power lines can hit by lightning but the line is isolated and is not suppose to be a problem with the infrastructure close to
Corridor 3 is not recommended at all, it run next to the river and the pylons will be in the floodplain, can be in danger when there is big rainstorms. This happen at least once a year.	27 July 2010	Public meeting Boschoek	All Attendees	The recommendations are noted and will be forwarded to the EIA phase of the project.
How safe and stable are the cross rope towers. What will happen when the anchors are cut off?	24 January 2011	Meeting of mining operations	Attendee	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.

### 3. LAND ISSUES & COMPENSATION

We have problems with people from Eskom, they come here to make empty promises ultimately they don't deliver. Years back they promised to pay R800,000 for servitude acquisition they required from Bakubung Council till now the money has not been paid and we need to be accountable to the community. We are accused of stealing that money. When you enquire, Eskom would say the consultant responsible for the project is no longer working for Eskom.	11 August 2009	Meeting with Bakubung Ba-Ratheo Traditional Council	DJ Phologane	Mfundi Songo: Comment noted. I would like to promise the council that my team will be here until the end of this project, meaning after the construction of Ngwedi substation. Phuti Makweya will investigate and provide the council with an explanation.
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We have independent planners and designers responsible for our master plan for the development of Ledig. We advise the consultant and Eskom to meet with the team from Bakubung master plan to discuss the usage of land.	11 August 2009	Meeting with Bakubung Ba-Ratheo Traditional Council	DJ Phologane	Comment noted. Solly Mohlala will contact Mr. Melato to arrange a meeting with the team responsible for the master plan.
Which farms belongs to Bakubung council?	11 August 2009	Meeting with Bakubung Ba-Ratheo Traditional Council	Solly Mohlala	Mr. Melato: Frischgewaagd 96 JQ Portion 4 & 11 and Mahobieskraal 211 JP portion which in dispute with kgosi Shongoane.
We have a servitude that was never paid; we request assistance in solving the matter.	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau	Kgosi Maselwane	Phuti Makweya: Comment noted, we will investigate the matter in order to come up with an amicable solution to this matter.
As you going to require servitude for your lines, will you pay us compensation and which site of our farm are you going to require servitude.	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau	Kgosi Maselwane	Phuti Makweya: Yes we will pay compensation, an independent evaluator will be appointed to assess the land to determine the market value that Eskom must pay. It is a once off payment. Once Eskom has the title deed the money will be paid directly to Bakwena Trust.
What do mean about once off pay and title deed?	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau	Kgosi Maselwane	Phuti Makweya: We are obliged by the law to make a once off payment; we would have liked to pay monthly in instalment. Eskom will pay your money once as the total value. Once we have registered the land in Eskom's favour and received a title deed that is saying Eskom is the legal owner, then we will pay.
What are you currently using your land	12 August	Meeting with	Mamatsha Legodi	Kgosi Maselwane: We are waiting for

for?	2009	Bakwena Ba Modimosana Ba Mmatau		Department of Agriculture to start with agricultural project.
Site B of your proposed substation is out already we have shaft in that farm and Site C adjacent the Impala Platinum Mine is out we cannot allow you to build your substation there. Kgosi explicitly told me that he does not want any lines or substation in those farms (Styldrift and Goedgedacht). In our last meeting of February 2009 we made suggestions regarding the eastern corridor to say you need to shift it Far East to avoid crossing the farm Goedgedacht 110 JQ. You are saying the DEIR is out for comment but we don't have that report that's why you did not consider our suggestion, you could have not consider locating the site B & C in those farms. We suggest we have a meeting with your technical team sometimes in September 2009.	12 August 2009	Meeting with Royal Bafokeng Administration	Pat King	Sebenzile Vilakazi: Comment noted, we were not aware that your suggestions were not considered and incorporated in the report.
Our area consists of small farm portions; what impact are the lines going to have on small farm portion? We would like to see the studies conducted in this respect. I own a small farm and have feedlots. If the power line project forces me to close business, my neighbours and raise them.	11 September 2009	Meeting with Landowners in the area around Zwaardverdiend 234JP	Landowner	Due to the length of the corridors the power lines cross both small and large properties and this is unavoidable especially where the new power lines follow existing power lines. The impact on smaller properties is higher as there is less space for land uses on such properties to move or adjust to the impact of the new power lines. This is something that has to be dealt with during the negotiation process where adequate and sufficient compensation is paid for such impacts.

Landowners in the area are of the opinion that the land that belongs to the Royal Bafokeng is being avoided and yet they do not use it.	11 September 2009	Meeting with Landowners in the area around Zwaardverdiend 234JP	Landowner	This is not true. The consultant had a meeting with the Royal Bafokeng who have asked the lines be moved to the west as they have too many power lines crossing their area and are planning tourism developments that will be impacted on by the proposed power lines.
RBN can accommodate the impacts of Ngwedi SS project but they object strongly to the 765kV lines through their properties because plans for eco-tourism development project are at an advanced stage. If the project is approved by DWEA, RBN will appeal the decision	18 October 2009	Royal Bafokeng Focus Group Meeting	Representative from Royal Bafokeng Nation	Comment noted
Corridor 2 and 3, especially corridor 3 are more acceptable to Bakubung TA. Though corridor 1 is parallel to the existing power line but it is not acceptable because the area close to the existing line is going to be used for industrial developments. Putting more lines in this area will reduce the space that is reserved for small industries	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	Comment noted
I suggest you look for substation sites up in the western, in the following farms Mahobieskraal 211 JP; Koedoesfontein 94 JQ and Palmietfontein 208 JP.	12 August 2009	Meeting with Royal Bafokeng Administration	Pat King	Mfundi Songo: Comment noted. We will undertake an investigation of those sites and we will come back with a schematic diagram representing Ngwedi (Mogwase) substation and associated links to existing substations and proposed distribution substation. Has a schematic diagram been given to the Royal Bafokeng?
Representatives from RBN were not happy with the location of the substation	18 October 2009	Royal Bafokeng Focus Group	Representative from Royal	Comment noted

because the lines coming out of the substation would traverse their properties and inhibit development. Mr. King wanted to know why the substation was not constructed north of Pilanesberg like on the farm Koedoesfontein. As planned, the substation is in the middle of a settled area. [In response it was mentioned that building the substation up north will necessitate constructing more lines south to the area where electricity is needed		Meeting	Bafokeng Nation	
The meeting agreed that the issue of outstanding payment for servitude of the existing line will be handled outside the EIA process. Mr. Phuthi Makweya (Eskom Tx Negotiator) and Mr. Moatshe were requested to handle this matter and report to the TA within three weeks from the date of this meeting	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	Comment noted
Land use for Mimosa farm is indicated as agriculture. This must be changed part of this farm has been rezoned for mining.	01 July 2010	Wesizwe Focus Group Meeting	Mr. E Blignaut	Ms. N Saleshando: Comment noted. Maps will be updated during the early stages of EIA phase.
Do Eskom compensate them for crossing their properties?	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	S Matshellwe	Moses Mahlangu: Yes, there is compensation for servitude
The property again is reserved for game farming; will the power line impact on the activity?	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	S Konopi	Moses Mahlangu: Eskom have been informed that power lines can sterilise animals but there are no substantial studies that can support that, so Eskom can't take it as a scientific research. Eskom normally advise the landowner not to make a kraal under

				the power line as it may endanger your animals. There is no problem of animals passing under the power line.
Is it possible for the power lines to go through a wet land or dam?	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	N Ramalosa	Ntsebo Saleshando: No, they are protected by the department of Water and Forestry, there must be negotiations first.
The attendee wants to know what if a power line crosses anyone's property is there any compensation?	27 July 2010	Chaneng Public Meeting	Attendees	Team member: Eskom will negotiate with the property owner; he will be compensated for the servitude and if necessary relocation is an option. The affected party will be compensated for his property. The law stated that the affected party must be in same position or better off if he gets relocated.
<b><u>Wesizwe Mining</u></b>  Mrs. C Theron sent comments on draft scoping report late for inclusion and requested that comments must be considered for EIA phase. She noted that Corridor 2 of Mogwase Line is located over the farm portions of Mimosa, 81 JQ, some of the portions have been earmarked for the location of the tailings storage facility associated with the platinum mine being developed on Frischgewaagd, 96 JQ. On pages 61 – 63 of the draft scoping report it was stated that both Site A and Site F for the	August 2010	Comment submitted	Mrs. C Theron	Comment noted:

substation have been removed from the study due to a conflict of land use. However, Corridor 2 is still under consideration. We would like it noted that there is a conflict in land use for Corridor 2. Wesizwe has entered into a Memorandum of Understanding with the Rustenburg Local Municipality, that they can lease this land from the Local Municipality for the use of a tailings storage facility. We have supplied you with the latest technical design drawings for both the shaft bank (Frischgewaagd) and the tailings storage facility (Mimosa). We request that you add these as a layer to your GIS system in order to eliminate Corridor 2 from the EIA phase of the feasibility.

Further to this we would like to draw your attention to the height of the proposed tailings storage facility. The facility, at the full life of mine, will be an average height of 64 m above the surface. This will prohibit the placement of power lines along Corridor 2, as the towers vary in height from 38 m to 55 m. Please take this into consideration during the EIA phase of the project.

<p>Lastly, we would like it noted that the location of Site D for the sub-station is within the footprint of the floodline of the Elands River. It is advised that the 1:20; 1:50 and 1:100 year flood lines for the Elands River in that area, be investigated during the EIA phase of the study.</p>				
<p>Will you compensate us monthly or is a once off payment?</p> <p>Look at what other things you can do accept compensating us e.g. building a clinic or school.</p>	26 January 2011	Bapo II Community Meeting	Mr. Tlholwe	Due to Eskom internal policies our compensation is once off payment.
<p>We requested Mr. Vilakazi to investigate about the compensation for existing power lines in our area, can he explain to us?</p>	26 January 2011	Bapo II Community Meeting	Sophie	Sebenzile Vilakazi: Unfortunately we did not find the files regarding the payments of those power lines, but the management said they will appoint independent evaluator to evaluate the land and pay you according to the present rates and market value.
<p>Surely for using the Tribal land, they must get compensated for that, I want to know if ever there is something that can be done rather than once off payment for the land, for example building a clinic for Mmatau community.</p>	27 January 2011	Mmatau Community Meeting	Mr Shabangu	Tšepo Lepono: Comment noted: This is for the first time stakeholder's comment about it; it requires budgeting so is difficult to say yes will do. We will forward this to Eskom for comment.
<b>4. TECHNICAL &amp; LINE ROUTING</b>				
<p>As you are proposing Ngwedi substation, do we still need these other substations to keep the mines going?</p>	11 August 2009	Meeting with Bafokeng Rasimone Platinum Mine	Jay Chetty	Yes, these other substations will source power from Ngwedi substation and convert it to the correct voltage and thereafter be distributed for use.

When do you think you can start with the project?	11 August 2009	Meeting with Bafokeng Rasimone Platinum Mine	Jay Chetty	Mfundu Songo: The construction is expected to start at 2011 and the operation will commence at 2013.
In the long run, can we survive with the electricity capacity that we are currently sourcing from Ararat substation?	11 August 2009	Meeting with Bafokeng Rasimone Platinum Mine	Jay Chetty	Mfundu Songo: No, you will not survive in the long term, you should expect load shedding or cutting off of some of operations. Ararat is not giving the area ample electricity and is not a reliable source.
Is the technology that you are using now competent enough to cater the mines and the area without constructing Ngwedi (Mogwase) substation?	11 August 2009	Meeting with Bafokeng Rasimone Platinum Mine	Jay Chetty	HVDC technology is a reliable technology that is currently under examination, it will help us in future.
When do you expect the substation to operate?	11 August 2009	Meeting with Bakubung Ba-Ratheo Traditional Council	DJ Phologane	Mfundu Songo: We will start the construction in 2011 and the operation should start in 2013.
How is this project going to link up with Sunrise substation?	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	Sunrise will get capacity from Ngwedi Substation
I suggest we undertake a site visit to see exactly where the substation will be.	11 August 2009	Meeting with Community of Chaneng	Clr. Modibeng	We can undertake a site visit during the comment period, by then we would have a clear indication where the substation would be constructed.
When do you think you will start with the project?	12 August 2009	Meeting with Bakwena Ba Modimosana Ba Mmatau	Kgosi Maselwane	Sebenzile: The construction is expected to start 2011 and the operation will commence at 2013.

<p>You must continuously inform us about your decision regarding the preferred route.</p>	<p>12 August 2009</p>	<p>Meeting with Bakwena Ba Modimosana Ba Mmatau</p>	<p>Kgosi Maselwane</p>	<p>Solly Mohlala: We will keep you updated about the status of the project. You can direct inquiries to us the consultant.</p>
<p>Eskom is requested to give guarantee in writing that there will not be extra power lines constructed through the area if the proposed power lines are allowed through the south of Pilanesberg</p>	<p>11 September 2009</p>	<p>Meeting with Landowners in the area around Zwaardverdiend 234JP</p>	<p>Landowner</p>	<p>The proposed 6 X765kV transmission power lines are Eskom Transmission's 20 year plan for power supply lines are expected in this plan however Eskom Transmission cannot speak on behalf of Eskom Generation nor Eskom Distribution</p>
<p>It was suggested that landowners in the area (Traditional Authorities; mines; municipalities and farmers) and Eskom must consider establishing working corridors in which all lines can be packed with minor deviations to where electricity is needed. Eskom is requested to stop emphasizing the issue of cost when landowners propose a workable solution that is beneficial to Eskom and landowners.</p>	<p>18 October 2009</p>	<p>Royal Bafokeng Focus Group Meeting</p>	<p>Representative from Royal Bafokeng Nation</p>	<p>Comment noted</p>
<p>Mr. King expressed his disappointment that during the consultation process for Delta-Epsilon project offending remarks were made about him at a public meeting in Swartruggens and this was never included in the minute. He indicated that it must be recorded that RBN will not accept the 765kV power lines close to the planned eco-estate</p>	<p>18 October 2009</p>	<p>Royal Bafokeng Focus Group Meeting</p>	<p>Representative from Royal Bafokeng Nation</p>	<p>Comment noted</p>

Will the proposed Ngwedi Substation provide for Ledig or it is meant only for other areas outside Ledig?	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	The substation is mainly for the mines around Ledig. The project will also benefit Ledig because Eskom Distribution substations around the area will be connected to Ngwedi Substation
How will the new lines affect the master plan?	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	The existence of a new substation in the area means that there are several lines that will come out of that substation. It must be expected that certain sections of the area around the substation may be sterilized but currently it is expected that six Eskom Distribution lines will come out of the substation. Four of these lines will be constructed southwards and will have minimal/no impact on the master plan. It should be noted that crops can still be grown under overhead power lines and cattle can continue to graze under the power lines
It was mentioned that the EIA Team consulted with Wesizwe but it was mainly about the Delta-Epsilon 765kV lines. The EIA team requested Wesizwe to give consent that the farm Mimosa be investigated for a possible substation site but this was refused by Wesizwe as they plan to locate their tailings dam on that particular farm.	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	Comment noted
It was proposed that a Task Team comprising of representatives from Bakubung TA; Eskom & EIA Team for the proposed Eskom Projects; Wesizwe Mine and Mr. Gumede should meet urgently to discuss the potential impacts of all Eskom	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	Comment noted

projects on the Master Plan and mining operations. Tentatively the meeting was scheduled for Monday 23rd November 2009.					
The consent letter to allow the EIA Team to investigate substation sites on the farms Mahobieskraal, Koedoesfontein and Palmietfontein will be signed after the meeting of the Task Team.	18 November 2009	Bakubung Ba Ra Theo Traditional Authority Focus Group Meeting	Bakubung Ba Ra Theo Traditional Authority	Comment noted	
What is the timing in terms of commissioning the new Mogwase/Ngwedi substation in the area?	21 December 2009	Impala Mine Platinum	Mining representatives	It is envisaged that the new substation will start working in 2012. Eskom Intends to build the substation to have the capacity of 12 feeder bays. Only 6 feeder bays will be used in 2012	
Impala is considering taking 88kV distribution line from Ararat to the mine properties.	21 December 2009	Impala Mine Platinum	Mining representatives	Comment noted	
The mine will be happy to source 132kV lines from Mogwase/Ngwedi. If this is possible the 88kV line will be dropped.	21 December 2009	Impala Mine Platinum	Mining representatives	Comment noted	
Mr. Pretorius indicated though the two sites <b>(C &amp; D)</b> are acceptable but it seems like <b>site C</b> Will result in new lines coming out of it impacting on future developments of the mine.	15 January 2010	Impala Mine Platinum	Mining representatives	Comment noted	
Impala Platinum Mines will prefer to see the substation indicated as site C being shifted to north of the railway line	15 January 2010	Impala Mine Platinum	Mining representatives	Comment noted	
Generally all parties (Impala Platinum Mines & RBA) accepted <b>site C</b> for detailed investigation	15 January 2010	Impala Mine Platinum	Mining representatives	Comment noted	

It was mentioned that more sites will be investigated on farms Mahobieskraal & Palmietfontein	15 January 2010	Impala Mine	Platinum	Mining representatives	Comment noted
Where is the substation going to be?	12 March 2010	Platinum Metals	Group	Willie Visser	Mr. Lepono explained that the consultants originally looked at sites A, B and C. Additional sites, site D and E were recommended by Platinum Group Metals and the Royal Bafokeng Nation respectively.
Why don't you go more north, because your proposed site D-1 is located on our planned porthole entrance to our mine? This porthole goes under the surface at an angle of 19° to a depth of 600m.	12 March 2010	Platinum Metals	Group	Willie Visser	Mr. Grové explains moving north and towards the Elands river with the same topographical levels on both sides of the river of between 200m – 300m would make such a site not feasible, because of the 50-100 year flood line.
The location on ELANDSFONTEIN falls in line with the alignment of the 6x765kV power lines from Medupi.	12 March 2010	Platinum Metals	Group	Willie Visser	Mr. Grové acknowledges that this is important information.
These two sites (Site D & Site E) look safe. Which is your preferred site?	16 April 201	Impala Mine	Platinum	Les Gardner	We prefer Site E, but PTM has planned infrastructure in the area and is also planning a tailings dam right next to Site D. One of our first sites was Site C, but lies on the RBN's property.
It's not far, but it should logically move into that corridor towards the south.	16 April 201	Impala Mine	Platinum	Les Gardner	How far is Site C from your proposed corridor with the RBN?
How wide are the corridors?	28 June 2010	Platinum Metals	Group	Les Morrow	The corridors are 2km wide and the width of the proposed servitudes is 350m.
Are the power lines on the west, from where the turn-in power lines are planned, existing or proposed power lines?	28 June 2010	Platinum Metals	Group	Les Morrow	The existing power lines are the Matimba-Midas and Matimba-Marang power lines and it was explained that the proposed turn-ins will come from these existing power lines. The Delta-Epsilon 765kV power lines are proposed power lines.

Can you use the Matimba-Marang power line, even if the voltage is too small?	28 June 2010	Platinum Metals	Group	Les Morrow	Both the Matimba-Midas and the Matimba-Marang existing power lines will be used for turn-ins to the proposed Mogwase substation.
Both sites D & E were shot down previously and Fred Grové also said that it is a problem area, because you're on weathered rock barite...???? Our surface infrastructure access is at site E and you must also remember that site D is right next to the river and within the 100 year flood line. We need to establish exactly where sites D and E are.	28 June 2010	Platinum Metals	Group	Willie Visser	It was mentioned that Fred's reports were incorporated into the DSR and the reason why site E can't just be dropped is because only Fred looked at the site and the other specialists also need to investigate the site and have an opinion. It was agreed that Ms. Les Morrow will provide the consultants with the geotechnical information that also includes the new location of PTM's planned porthole entrances. The consultants will forward the coordinates of sites D, E and L to PTM.
I'm happy with the proposed substation locations, as long as it's to the east of the existing 2x400kV power lines.	28 June 2010	Platinum Metals	Group	Len Backhouse	Currently the proposed sites D and E are located east of the existing 2x400kV power lines.
The locations of sites D, E and L look to be fine.	28 June 2010	Platinum Metals	Group	Willie Visser	This comment is noted.
What are your preferred options?	28 June 2010	Platinum Metals	Group	Len Backhouse	Corridor 3 is the least favourable and corridor 1 is the most favourable because of the existing infrastructure. In terms of the proposed substation sites, we can't conclusively say at this stage.
You didn't say much about site M. Is that	28 June 2010	Platinum Metals	Group	Willie Visser	It could work, but we still have to

not a good site?		Metals			carry out more studies on all of the sites.
Aren't sites D and E more your favourable sites?	28 June 2010	Platinum Metals	Group	Len Backhouse	<p>Ntšebo: In terms of their location to the load centre and also because they're located in a generally disturbed environment are positive factors and also the distances from the proposed 765kV power lines.</p> <p>Tšepo: We should look at the holistic picture and at which corridor is preferable and in terms of mining activities, it is going to affect your operations and your head gears.</p>
It depends where Styldrift and Wesizwe are planning to put up their head gears, because we're not planning on putting up a head gear at this stage.	28 June 2010	Platinum Metals	Group	Len Backhouse	<p>Tšepo: There will be transmission lines coming in and going out of the proposed substation and probably 12 distribution power lines going out from the substation. You're talking about sterilizing the whole area.</p>
If you look at that area, it is an area where you could actually sterilise because sterilising the koppies surely isn't a good thing and I would suppose that it will be better to go to an area that is already disturbed.	28 June 2010	Platinum Metals	Group	Len Backhouse	<p>Mfundi: Once we get the location of the substation we will plan the distribution power lines coming from the proposed substation in such a way that we utilize the existing power lines. We will be putting the new lines closer to the existing power lines, because if we don't do that, we'll be messing up the whole area.</p>
How many substations do you need?	30 June 2010	Key Stakeholder Workshop		Mr. D Boshoff	Ms. Ntšebo Saleshando: We need only one substation, what we have in the

				map is alternative sites.
<p>We are planning to develop a residential area south of Phatsima Township; we want to know how your lines will or corridor affects the development?</p> <p>How do you measure the servitude, is it from the centre line or end of a power line?</p>	30 June 2010	Key Stakeholder Workshop	Mr. MS Mphephu	<p>Ms. Ntšebo Saleshando: The township of Phatsima will be affected by the corridor 2; it will be severely affected by the 2km corridor if it is not realigned. We are looking at the possibility to align it.</p> <p>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. That's normally how we do are construction of pole structures, for Ngwedi (Mogwase) project one line is 765kV and the others are 400kV that will be 55m plus 80m.</p>
<p>The proposed corridors for the 765kV lines are about 2km wide. Wesizwe mine has a lot of infrastructure that must be constructed in an area that is already congested with settlement infrastructures, developments by other mines and so on. What will happen then if the whole 2km corridor is already in an area that is impacted?</p> <p>Land use for Mimosa farm is indicated as agriculture. This must be changed part of this farm has been rezoned for mining.</p>	01 July 2010	Wesizwe Focus Group Meeting	Mr. E Blignaut	<p>Ms. N Saleshando: It is hoped that the consultation process will give stakeholders the opportunity to highlight no go areas within the study area are identified and changes effected early in the planning phase. Deviation of power line servitude within a corridor will be concluded during negotiation phase</p> <p>Ms. N Saleshando: Comment noted. Maps will be updated during the early stages of EIA phase.</p>

Why are you taking these new 765kV lines from Delta (Masa) to Epsilon (Selemo) substation?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	Mr. M Songo: Because we want to strengthen the Western Cape and Kwa-Zulu Natal network grid
What is the servitude size for the three power lines going to Ngwedi substation?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	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
Is this proposal for Mogwase Substation suggesting that the routes for the proposed 765kV lines changed?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	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
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?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	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.
Is Eskom still going to apply for funds for the construction of the new substation and associated turn-ins?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	Mr. S Vilakazi: Funds are available and this project form part of Mmamabula and Medupi power stations integration

Your power lines are going through our sewerage plant and shaft locations in the farm Styldrift.	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. V Townsend	Mr. M Songo: Comment noted
Is it possible for power lines to cross through open cast mining area?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. V Townsend	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.
When are you finalising the routes?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. V Townsend	Mr. S Vilakazi: We need to go through the 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.
How are these 765kV lines going to be build? Is Eskom intending to construct dual diversity lines?	01 July 2010	Focus Group Meeting Landowner	Attendees	Mr. M Songo: The planned lines are 765kV. They will be constructed at 765kV but will operate at 400kV.
Enquire whether two substations are going to be constructed in the area? How else are you going to connect to existing lines?	01 July 2010	Focus Group Meeting Landowner	Attendees	Mr. M Songo: Only one substation is going to build that is Mogwase Substation. This will work as a loop-in and loop-out system where the existing line will be cut and one end will connect to the line going into Mogwase substation and the other end

				will connect to the lines that will be coming out of Mogwase substation.
What is the size of the servitude that will be required for the Turn-Ins?	01 July 2010	Focus Meeting Landowner	Group Attendees	Mr. S Vilakazi: Each loop will be 55m. Hence for loop-in and loop-out lines 110m servitude is required. It was also explained that though the presentation map showed three alternative corridors, only one preferred corridor will be used. Landowners will be informed about approved route at the end of the EIA Phase.
Landowners are of the opinion that Eskom will choose a shorter, more economical route. All landowners must have an input to the economic study or the route because it must not only be economic to Eskom. The economic viability of the route must also apply to landowners.	01 July 2010	Focus Meeting Landowner	Group Attendees	Ms. N Saleshando: Comment notes: Route selection is based on several factors such as the technical requirements, environmental recommendations/findings, stakeholders input and economic viability.
The maps presented to landowners do not clearly show the number and types of towers used as they enter and exit the substation. Please supply a map indicating the entire infrastructure in and around the substation.	01 July 2010	Focus Meeting Landowner	Group Attendees	Mr. M Songo: The reason why such a big terrain is asked for the substation is to make sure that all infrastructures associated with this development are accommodated at this planning stage. Where possible existing servitudes in the vicinity of the new substation will be used. There will be space for a transmission and distribution substation, lines coming in and out of these substations, communication tower, control room, oil dam, and access roads. In some case as the lines enters or exit the substation, it might be possible to use double circuit

				structures	
In some areas double circuit is used for Eskom Distribution lines. Is it possible to use a double circuit for 400kV and 765kV lines?	01 July 2010	Focus Meeting Landowner	Group	Attendees	Mr. S Vilakazi: This is currently not possible because it requires tall structures to carry two lines of this magnitude and still allow for the required line separation
<p>Landowners feel that it must be recorded that they do not have any confidence in the study process and the related public consultation process. During the early stages of the study for 765kV Delta-Epsilon transmission lines:</p> <p>a. It was indicated that farms in the area are very small and cannot accommodate power lines through them. The study process went ahead and recommended corridors for these lines through the area. Landowners feel ignored.</p> <p>b. Areas that are already impacted and those that can possibly accommodate power lines were pointed out to the study team e.g. mined area, area with existing infrastructure like the road or railway lines. It was suggested that consideration must be given to areas with big farms. Landowners feel their input was never considered.</p> <p>c. Questions asked at the Delta-Epsilon meetings were never answered satisfactorily. One example is the question leasing the servitude space and pay</p>	01 July 2010	Focus Meeting Landowner	Group	Attendees	Mr. M Mahlangu: Answers to the above questions which make landowners reluctant to participate are in the report for Delta-Epsilon. It will be advisable to read the Delta-Epsilon report and make reference to if the above queries were addressed. It is very difficult to meet the requirements of each landowner in the study area of this magnitude. The PPP Team feels that some of the site specific deviations can be handled during the negotiation phase. The method of undertaking EIA process for linear project, especially of such length, does not allow for a farm-to-farm visit.

<p>monthly fee that is linked to inflation because Eskom charge electricity consumers rates that are linked to inflation. Landowners want Eskom to also consider giving them free electricity and consider the issue of giving the contract of maintaining the servitude to landowners.</p> <p>d. Landowners requested that specialist studies be conducted in each and every farm in the area because this is very unique area. This was never done; no specialist ever visited one farm in the area.</p>				<p>Comment noted: The request will be forwarded to specialists for consideration.</p>
<p>The approach in the study is confusing because at this stage five corridors have been presented with no indication of a preferred corridor. Landowners want to as when you are going to come up with a preferred corridor that will be chosen on the basis of environmental impact studies. If you come to the public with several alternatives as you are doing now, each landowner in the study area is going to try and push the line away from his property. Currently five alternatives are presented with alternative 2 shown as having the least environmental impact. It will be advisable to present only one option in a forum like the focus group meeting of landowners. Such a preferred corridor must be chosen on the basis of a feasibility study that will be convincing to</p>	<p>01 July 2010</p>	<p>Focus Meeting Group Landowner</p>	<p>Attendees</p>	<p>Mr. M Mahlangu: Detailed investigation of the scoped corridor will be conducted during the EIA phase. At this stage we are presenting a draft report which shows how the different corridors were scoped out or in for further investigation. It is important that stakeholders are given the opportunity to comment on this report and if necessary recommend any other studies that must be conducted)</p>

any landowner in terms of economic, environmental, technical and social studies.					
Mr Matshellwe brought it under the attention of the team that farm is earmark for residential development, he enquire if is it possible that after erecting the power lines that mining activities can take place on the land?	26 July 2010	Bakwena Modimosana Mmatau Traditional Council Focus Group Meeting	Ba Ba	S Matshellwe	Ntsebo Saleshando: Comment noted: Plans will be made to deviate any infrastructure. Mining activities cannot be undertaken in a servitude area only Eskom has the right of that servitude. Negotiations with Eskom must take place.
Asked if community will benefit from the proposed project?	26 July 2010	Bakwena Modimosana Mmatau Traditional Council Focus Group Meeting	Ba Ba	S Matshellwe	Ntsebo Saleshando: yes, this is for the areas in and around Rustenburg, mostly those that are connected to Ararat Substation that runs on full capacity at the moment and no more development can take place in there without more power that is why Eskom and the area needs the substation
Point out the community must appreciate and welcome the proposed project that will benefit them should Eskom consider constructing the substation in the area or erecting the line around their area.	27 July 2010	Chaneng Meeting	Public	Attendees	Sebenzile Vilakazi: Comment noted.
It was pointed out to the people of Chaneng that they must bear in mind that the substation site and preferred route is not yet finalised, they must help Eskom to understand their environment so to decide on the preferred environmental friendly site. The attendee point out that on the farms there are graves of their	27 July 2010	Chaneng Meeting	Public	Attendees	Ntsebo Saleshando: Eskom have an executive summary which has all farm portions on that are affected according to the corridors as showed on the map. Eskom will highly appreciate if community can tell Eskom exactly on which portions the graves can be found so that Eskom can avoid them

<p>forefathers: Elandsfontein, Frischgewaadg and Styldrift. The attendee is not sure on which portion the proposed power line or substation will have a effect on</p>				<p>where possible.</p>
<p>The attendees in total agreed that the best corridor will be corridor one; it will have the less impact on the environment and the agricultural activities.</p> <p>All attendees pointed out that the economic in pack of corridor 2 is more or less the same as in corridor one but the distance is longer and that will increase the cost to Eskom.</p> <p>Corridor 3 is not recommended at all, it run next to the river and the pylons will be in the floodplain, can be in danger when there is big rainstorms. This happen at least once a year.</p> <p>Small farms( Irrigation Farms &amp; exotic farms ) will not be economic fable to farm on if corridor three will be considered</p> <p>Substations L+ M sites are very close to the river and there is proposed mining activity in the area including several lodges close to the sites. The area was under water in 2002 with the floods, the cost to secure the site will be very high and they will recommend that Eskom must look at substation site E or C.</p> <p>It were bought under the teams attention that there is proposed mining activities in</p>	<p>27 July 2010</p>	<p>Public meeting Boschoek</p>	<p>All Attendees</p>	<p>The recommendations are noted and will be forwarded to the EIA phase of the project.</p>

the area of site C				
The power from Botswana is generated from what source?	24 January 2011	Meeting of Mining Operations	Mr. Townsend	Mfundu 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.
Can someone from Eskom enlighten us more about the construction taking place at Dinaledi substation?	24 January 2011	Meeting of Mining Operations	Mr. A Burn	Mfundu Songo: 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.
In terms of the five big substations receiving upgrading around Rustenburg-Brits area, Ararat does not feature.	24 January 2011	Meeting of Mining Operations	Mr. A Burn	Mfundu 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.
In terms of quality don't you think the new furnaces in smelters in the area of Pilanesberg-Rustenburg will have an impact?	24 January 2011	Meeting of mining Operations	Mr. A Burn	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.
What is the extent to which the line can sag due to heating without posing danger to the public?	24 January 2011	Meeting of mining Operations	Attendee	Eskom to respond

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.	25 January 2011	Chaneng Community		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
Which farm will your power line crosses?	26 January 2011	Bapo Community	II	Mr. Raborifi	Tšepo Lepono: Bultfontein 204 JP is affected and is within corridor 1.
What is the size of the area you need?	26 January 2011	Bapo Community	II	Mr. Tlholwe	Tšepo Lepono: We have not done that specific measurement, what we have is the total servitude requirement for power line. For 400kV power line is 55m if they are two lines then is 110. In case of 765kV power line is 88m
Your maps must indicate or show where is Bapo II rather than writing the farm name Bultfontein	26 January 2011	Bapo Community	II	Attendee	Tšepo Lepono: Comment noted.
Are you saying that corridor 1 is the chosen one for authorisation or all corridors are alternatives and one can be chosen for authorisation? Because I don't want give the community hopes for nothing and I'm not working with assumptions but only the truth.	27 January 2011	Mmatau Community meeting		Kgosi Maselwane	Tšepo Lepono: Corridor 1 is recommended by the environmental specialists. The authority can chose one of the three alternative sites.
<b>5. DOCUMENTATION</b>					
We understand your presentation but that does not mean we give you go ahead	11 August 2009	Meeting with Community of Chaneng		Clr. Modibeng	Comment noted

Mr. T Chiloane said he will go through the report then comment probably in the EIA Phase.	27 July 2010	Focus Group Meeting Kgetleng Rivier Local Municipality	T Chiloane	Comment noted
We did not receive the report for your findings how will we comment?	26 January 2011	Meeting with the community of Chaneng	Joseph	Solly Mohlala: We will leave the report with Mr. Mmope to be placed at the school.
I think is not a good idea to place a report at school because it closed at 14h00 is difficult to thoroughly read it.	26 January 2011	Meeting with the community of Chaneng	Joseph	We will place at the Council house, I will leave it to the Secretary please write your name and when will you bring the report back.
What do you mean when saying ROA?	26 January 2011	Meeting with the community of Chaneng	Joseph	When submitting the Final Environmental Impact Report to the department you receive a response called Record of authorisation.

#### 6. PROJECT LIFESPAN & TIMEFRAMES

What is the timeframe of your project?	12 August 2009	Meeting with Royal Bafokeng Administration	Pat King	Mfundi Songo: The construction is expected to start 2011 and the operation will commence at 2013.
When is the construction likely to begin?	30 June 2010	Bakubung Ba Ra-Theo Traditional Council		Sebenzile Vilakazi: Probably 3 years to cater for the planning for the project, the EIA process, servitude acquisition and walk thru
When will the project start?	27 July 2010	Chaneng Public Meeting	Attendees	Sebenzile Vilakazi: The Construction will start next year round the end of July 2011 and hopefully by 2014 the substation and power lines will be completed.
When will you start construction?	26 January 2011	Chaneng Public Meeting	Kabelo	Sebenzile Vilakazi: We are expecting to start June 2012.

## 7. MINING ACTIVITIES

<p>The mine is considering sinking a shaft near site C and though this site is considered an obstacle for the development of the mine, the mine will, however, still need mere electricity supply for this shaft</p>	<p>21 December 2009</p>	<p>Impala Mine</p>	<p>Platinum</p>	<p>Mining representatives</p>	<p>Comment noted</p>
<p>Our area is very shallow, but there is some seismic activity at Styldrift and very little below 1000m and basically zero impact on the surface. However, you are looking at a long term of about 100 years and there are going to be extensive Platinum mining in the area with fairly active seismic activity. You should realise that our mining methods are different to those used in gold mining where their seismic activity can have an impact on surface levels of between 2-3kms. I think your biggest concern should be clay. We drilled holes when we planned our porthole entrance and found that the clay in the area reaches a depth of 35-45m and that is not an ideal location for any surface structures. Impala Platinum is the only mine with a seismic network and should have data available.</p>	<p>12 March 2010</p>	<p>Platinum Metals</p>	<p>Group</p>	<p>Dave Arnold</p>	<p>Mr. Grové confirmed the clay deposit and mentioned that the 'Hilo Weather Nor right' clay at a depth of up to 5m can be tolerated with his design of the substation.</p>
<p>Mining activities in the immediate vicinity is not that important, but a huge event a depth will definitely have an impact on your substation. There is little information available about what</p>	<p>12 March 2010</p>	<p>Platinum Metals</p>	<p>Group</p>	<p>Dave Arnold</p>	<p>Mr. Grové has dealt with the council of geosciences before and explained that they do have maps and information available, but the information is not updated and does not include any future plans of mining activities.</p>

<p>events you can predict and again it is only Impala Platinum that has a seismic network, but you'll have to approach them to obtain the data. Alternatively you can approach the council of geosciences and speak to a seismic specialist called Mr. Gerrie van Aswegen.</p>						
<p>I'm an experienced gold miner and there are no bumps in this area, the seismic events are almost zero on the surface.</p>	12 2010	March	Platinum Metals	Group	Willie Visser	<p>Mr. Grové confirms that to the east there is much more mining activities and because of the prevailing wind direction any sites on farm FRISCHGEWAAGD poses too much of a risk and it should no longer be considered.</p>
<p>If Wesizwe builds their tailings dam it will have an impact on your substation, because of the prevailing wind direction, which is in a south east direction. I will give you a copy of the pollution study.</p> <p>MIMOSA is north of the wind and the river.</p>	12 2010	March	Platinum Metals	Group	Willie Visser	<p>Mr. Lepono explained that various sites near PALMIETFONTEIN were considered, but they were too far away from the load centre.</p> <p>Mr. Grové recommends that a site more to the west in the vicinity of farm ELANDSFONTEIN should be considered and that the issue of the load centre should be discussed with the system planners.</p> <p>Mr. Grové confirms that to the east there is much more mining activities and because of the prevailing wind direction any sites on farm FRISCHGEWAAGD poses too much of a risk and it should no longer be considered.</p>
<p>We have a site for you on farm ELANDSFONTEIN, we wanted to put our tailings dam there but it wasn't acceptable according to the EIA done on the property. The site is in the koppies and if</p>	12 2010	March	Platinum Metals	Group	Willie Visser	<p>Mr. Grové indicates that the pollution from the planned tailings dams is still a risk, but the ridge/hill in the area of farm ELANDSFONTEIN can cut off the pollution.</p>

you want a piece of ground here, I'll give it to you for free. You can contact Mr. Thys Botha from PTM to arrange for a site visit.					Mr. Grové wants to know how the slimes from Platinum mining compare to that of Gold mining.
It is much more stable and heavier than that from Gold mining. The wind doesn't blow so much dust up.	12 March 2010	Platinum Metals	Group	Willie Visser	Mr. Lepono raises the question about what the degree of pollution on the Distribution substations in the area is.
I would suggest one of the following for the substation site: Either you put it off the outcrop, entirely; or you should put it on the sub-a-thousand (i.e. between 250m – 1,000m deep) Shallower than 250m deep, there is a potential for subsidence and deeper than 1,000m deep is typically where we start to pick up seismicity.  PTM property (Frischgewaadg) sub-outcrops at about 250m-300m and Wesizwe property from about 500m-750m. Both of these are not too much of a hassle.	16 April 201	Impala Mine	Platinum	Les Gardner	Comment noted
Not that we know of. At RTM they have a thrust fault just (about 10m) below the Merensky reef and that has moved. The larger events that emanate in this area probably comes from that thrust fault, but most are mining related, not tech-tonic.	16 April 201	Impala Mine	Platinum	Les Gardner	Are there any tech-tonic activities here and do the mining activities generate these?
If you look at the seismic risk for the Rustenburg area, from the council producer's point of view, they recon once every 50 years a mach lie-intensity-seeks event of about a magnitude 5 comes from this area and there's a 10% chance of this happening. This is almost equivalent to 0.1G.	16 April 201	Impala Mine	Platinum	Johan Scheepers	Our design code is 0.1G.
3 and half years ago, we did a blast just	16 April 201	Impala	Platinum	Johan Scheepers	

outside here. A total of 90 tons of TNT was used. In a grid pattern over an area of 100m x 140m and the first cut (the big bang) generated about a 0.15G at 250m away. When it's on surface the amount of ground roll you get is much more than when you go deeper than you're 300m and deeper. I don't think you need to be concerned or design anything more than 0.1G.		Mine			
In the region of Site-C we are planning to mine to a depth of 2.5km, but this will only happen after about 40 years from now. Are there any other issues with this site (Site-C)?	16 April 201	Impala Mine	Platinum	Johan Scheepers	Yes, the RBN doesn't want us to build anywhere.
12 Shaft is mining at about 1,250m. The mining itself won't generate high velocities at surface, when you mine at 2,000m, but if it reactivates some of the faults, i.e. reactivating tech-tonic situation, it can be a problem.	16 April 201	Impala Mine	Platinum	Johan Scheepers	Anything below 1,000m and shallower than 250m is a risk because of possible seismic activities. What is your future depth of mining?
Two reasons not to worry:  1. If you classically look at tech-tonic ally active faulting, which is reactivated by mining, then they all tend to be fairly tightly heeled under a lot of stress type faulting. 2. Where as you look at the typically fault that we encounter here, it has quite a lot of gauge on it, so it has been filled already, there's been more than just one set of movement on it and the fact that there's infilling on it means that the stresses are unlikely to be locked up on a large scale. Any movement, rather than a	16 April 201	Impala Mine	Platinum	Johan Scheepers	Fred: In the coal mining industry we actually calculate what sort of surface affect we'll have (subsidence). The formula we use is related to the depth of mining, etc. If that is the case it's nothing like that; it's not any subsidence that's going to take place. The risk here is because of the mining at that

huge bang, would be slower, smaller types of movements.					
We can only talk from experience and we haven't experienced any natural seismicity yet, only from our blasting activities. If you rely on what the Council of Geo science says, then you're talking about 0.1G, maybe 0.15 G's and that is within the current design limits.	16 April 201	Impala Mine	Platinum	Johan Scheepers	Fred: I will anyway assess the area in terms of the seismic information available from Council of Geo Science. We have to predict on available information that we have and if it is like 0.07G or 0.08G situation here, then we would normally design for a 0.1G, but based on what Council of Geo Science has done on their research and their measurements, we would probably look at that and take a value from there. You've mentioned that in the 21 years that you've been here, you've never measured something to that extend. If we use the values from the Council of Geo Science's prediction chart, which is quite high, in our design it would be considered safe as far as I'm concerned.
Future expansion. What we're planning is the next shafts, in order would be: 18, 19 & 16 Lower, which sits below Bospoort Dam. We are also trying to work with the RBN in order to make one corridor for all development along the proposed route from Luka towards Sun City.	16 April 201	Impala Mine	Platinum	Les Gardner	That is important for me to know.
What are your timeframes?	16 April 201	Impala Mine	Platinum	Les Gardner	Permanent electricity to 18 Shaft probably by 2014. This ties up with the RBN's road network plan. One road is planned

				from the back of Luka towards Sun City. We want to re-align this road, because we want one corridor for all future developments.
What is the size of the planned tailing dams?	01 July 2010	Wesizwe Focus Group Meeting	Ms. N Saleshando	Mr. M Blignaut: it is about 300m2. Drawings of the tailing dams can be obtained from Wesizwe. The EIA report is also available to give all other required information such as air quality.
We are planning to get another fourth shaft, will Ngwedi cater us?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. R Bingle	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.
It was mentioned at the meeting that Turnbury Mine has indicated that they are willing to give a site for a substation;	01 July 2010	Impala Platinum Mine Focus Group Meeting		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.
It must be envisage that there is a very high possibility that the area can be mine	26 July 2010	Bakwena Ba Modimosana Ba Mmatau Traditional Council Focus Group Meeting	Attendee	Ntsebo Saleshando: Comment noted.

## 8. CONSULTATION PROCESS

Mr. Thabiso Sebofetji said he requested by his manager to attend the meeting he	25 March 2010	Key Stakeholder Workshop	Thabiso Sebofetji	Comment noted
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has no expertise in this field as he is working in a different unit of his organization the responsible people went to workshop in Mafikeng. He said he came to listen for his department but surely he will forward all requests to the relevant department				
Mr. G Melato promised to invite the project team, he said due to Soccer World Cup they have scheduled their meeting to be held after the 11th of July 2010. Mr. Melato said they will go through the report and submit their comment	30 June 2010	Bakubung Ba Ra-Theo Traditional Council		Comment noted
<p>There are more farm portions which belong to the tribal authorities; I want to know have you consulted with them.</p> <p>What did they say?</p> <p>Have they submitted their written comments?</p> <p>You must be careful when consulting with the council, see if the municipality knows about the meeting, and request written comments from them.</p>	30 June 2010	Key Stakeholder Workshop	Mr. M Molongoane	<p>Mr. S Mohlala: Yes, we have consulted with all responsible tribal authorities. They don't object the project; they are worried if it will touch on their mining developments (Wesizwe). They are concerned with the unpaid acquired servitude.</p> <p>They have not submitted any written comment to us.</p> <p>Comment noted:</p>
I want to support Mr. Molongoane regarding consultation with the tribal authorities, in case of any development in their land. There is an interim legislation	30 June 2010	Key Stakeholder Workshop	Ms. J Nkosi	<p>Mr. M Mahlangu: Comment noted, what is your advice?</p> <p>Mr. M Molongoane: You must hold a</p>

<p>drafted by our department which stipulates clearly that there must be a general meeting where the majority of the community attend as they are entitled to pass resolutions not the council, it say at least 3 quota of the community can do that. I see that I this project corridor 1 and corridor 2 touches farms that are under reinstitution, the law say no development can take place before consulting with the Land Claim Commission and handed it to the rightful owner.</p>				<p>meeting where the development will take place, you must invite the following.</p> <p>Municipal councillor</p> <p>The village head man</p> <p>Tribal council</p> <p>Officials from Land Reform Office</p>
<p>Who do you consult with at the Royal Bafokeng Administration, as most of the farms belong to them and what about Chaneng village?</p>	<p>30 June 2010</p>	<p>Key Stakeholder Workshop</p>	<p>Mrs. K Mekgoe</p>	<p>Bafokeng Administration our contact person is Mr. Pat King and Mr. Ernie Kemm. At Chaneng village we consult with Mr. S Mmope and Clr. Modibeng</p>
<p>Based on the above, landowners feel this consultation process is just an exercise of complying with the law but it does not seriously consider the input of landowners. It is therefore unacceptable that the facilitator must expect the participants to focus only on the Mogwase project and ignore what was said during the consultation processes for Delta-Epsilon. If this study is to be successful it must start from the beginning and consider the routes for Delta-Epsilon. If this is not done landowners are prepared to challenge the process in court.</p>	<p>01 July 2010</p>	<p>Focus Group Meeting Landowner</p>	<p>Attendees</p>	<p>In the final scoping report all comments raised are clearly captured and will be forwarded to the department for decision making.</p>

In the previous meeting the council raised a concern that the project should have negative impact on the Master Plan for the area	30 June 2010	Bakubung Ba Ra-Theo Traditional Council		Comment noted
<b>9. GENERAL</b>				
That would give you ground motion, rather than subsidence.	16 April 201	Impala Platinum Mine	Johan Scheepers	Motion can be just as harmful as subsidence, because motion will give you horizontal and vertical acceleration and our substations are typically 'top-heavy' in the way they are structured and you do get momentums at the top. That's our problem with seismic accelerations. We can design for it if we know what accelerations to expect.
We just did a geotechnical study on the area and moved our portholes slightly.	28 June 2010	Platinum Group Metals	Willie Visser	It was agreed that PTM would send the updated information relating to their proposed portholes to the consultants.
Ms. Mekgoe said they don't know about the municipality's expansion programme, so is difficult to comment now. They would like to discuss or pass this information to the planning department as the ones with the knowledge as to where will there be developments. They further alluded that with regard to farms that belongs to the municipality they don't have an idea to pin point them. The best thing is for the consultant to categorize them according to their respective municipalities. Then is easy for the planning section to confirm which farms belong to the municipality	25 March 2010	Key Stakeholder Workshop	Ms. Mekgoe	Comment noted

There is a new hospital being built near your site E.	12 March 2010	Platinum Metals Group	Willie Visser	Mr. Grové also looked at possible sites to the east of the Pilanesberg, but because of the requirements of the load centre, these sites were considered not to be feasible. Mr. Lepono mentioned that because of size restrictions (only 470m available, where 600m was needed) on portion 10 of FRISCHGEWAAGD 96 JQ, another possible site (site D-1) on portion 14 of FRISHCGEWAAGD 96 JQ will also have to be considered and indicated the location of the additional proposed site D-1 on the map.
Although the smaller rivers don't always carry water, they do carry moisture.	12 March 2010	Platinum Metals Group	Dave Arnold	Mr. Grové acknowledged the fact about the moisture and enquired about whether PTM has information regarding their seismic activity available, such as G-figures.
When and where is Eskom going to put solar systems to generate power for the grit strengthening?	01 July 2010	Impala Platinum Mine Focus Group Meeting	Mr. J Chetty	Mr. M Songo: Currently investigation and trials for such a system are taking place in the Karoo area.
People of Chaneng pointed out that they know that electricity is a necessity but Eskom must understand the need for the community. They don't want the same problems as on the Styldrift project. The community must feel free to speak their minds and what they feel is right to them.	27 July 2010	Chaneng Public Meeting	Attendees	Ntsebo Saleshando: Comment noted:
He complements Margen Industrial Services that all the comments and issues that were raised at the meeting of 01 July 2010 were reflected correctly in the draft	27 July 2010	Public meeting Boschoek	N Teessen	Comment noted

minutes.				
Do you have agricultural activities in the farm Rhenosterspruit at option 2?	11 August 2009	Meeting with Community of Chaneng	Ntsebo Saleshando	Yes we do have agricultural activities in place for our community.
These are speculation now you can't tell us the distance you require from our community and the exact location of the project.	25 January 2011	Meeting with Community of Chaneng	Orax Tau	Tsepo Lepono: The project will not go through the village but through Wesizwe and PTM farms, again we did not measure servitude per farm.
How close is Frischgewaadg to styl drift?	25 January 2011	Meeting with Community of Chaneng	Joseph	Solly Mohlala: Frischgewaadg is the farm next to styl drift.
I am suggesting that Eskom must have educational programmes to educate people about such project, work related and how to bridge the gap between unskilled and semi skilled people in the area.	25 January 2011	Meeting with Community of Chaneng	K B Kutu	Sebenzile Vilakazi: Comment noted: This is a new proposal to Eskom; i will forward it to my superiors. You will have answer during the review for Final Environmental Impact Report.
I know after government granted you with authorisation you will forget us, most projects that are coming here they do the same?	25 January 2011	Meeting with Community of Chaneng	Lucas Letupu	Sebenzile Vilakazi: No, you will be updated time to time.
You are amazing people you politely come here requiring servitude, but after getting what you want you will abandon us.	25 January 2011	Meeting with Community of Chaneng	Lucas Letupu	You will be consulted time to time.
I suggest that if you can request a budget to cater such proposals.	25 January 2011	Meeting with Community of Chaneng	S Mmope	Sebenzile Vilakazi: Comment noted. Will forward it to our superiors.
We are busy developing a park here in our village, we request if you can provide us with free electricity.	25 January 2011	Meeting with Community of Chaneng	L Sekete	Comment noted: Is difficult I don't think they will accept it. But I will forward it to Distribution Unit in Tlhabane.

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	25 January 2011	Meeting with Community of Chaneng	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
What can we do to influence the decision of the relevant authority (DEA) to grant this project an authorisation?	26 January 2011	Bapo II Community Meeting	Attendee	Solly Mohlala: assist the consultant in the identification and prioritisation of issues that need to be investigated and comment on the findings of the DEIR
Landowners commented mostly on the Delta-Epsilon Project, they don't object Ngwedi Substation Project, they are happy with the process followed in consulting with all I&APs.	26 January 2011	Landowners Meeting	Attendees	Tšepo Lepono: Comment noted
Why you are here, is it about the Pilwe Hill or the farm Grootwaagendrift?	27 January 2011	Mmatau Community Meeting	Kgosi Maselwane	Tšepo Lepono: Presenting the findings of Ngwedi Substation project which will pass through the farm Grootwaagendrift.
We wish that this power can go through our farm we are a staving nation.	27 January 2011	Mmatau Community Meeting	Kgosi Maselwane	Tšepo Lepono: Comment noted.
If you choose corridor 3 which will pass through our farm, you have to build something for us e.g. School or clinic.	27 January 2011	Mmatau Community Meeting	Mr Benjamin Maselwane	Tšepo Lepono: Comment noted: This is for the first time stakeholder's comment about it; it requires budgeting so is difficult to say yes will do. We will forward this to Eskom for comment.
We wish you good luck with your project	27 January 2011	Mmatau Community Meeting	Attendees	Tšepo Lepono: Comment noted, we will inform you about the outcomes.