

Notes on Focus Group Meeting



MOGWASE (NGWEDI) SUBSTATION & TURN-INN POWER LINES

(Proposed Eskom Transmission Project DEAT Ref. No: 12/12/20/887)

Focus Group Meeting

Platinum Group Metals (PTM) - Jhb Offices

12 March 2010

The notes recorded hereunder reflect on the discussion held with Focus Groups as part of the consultation process for the above project. Key points were recorded as part of discussions and are not necessarily linked to the commentator. Most of the discussions held were based on the map that depicted the recommended substation sites and power line corridors.

Attendance:

Mr. Willie Visser	Platinum Group Metals (PTM)
Mr. Dave Arnold	Platinum Group Metals (PTM)
Mr. Thys Botha	Platinum Group Metals (PTM)
Mr. Fred Grové	Eskom Geotechnical Engineer
Mr. Tšepo Lepono	PBA International (PBAI)
Ms. Ntšebo Lerotholi-Saleshando	PBA International (PBAI)
Mr. Gé Stander	Margen Industrial Services

Item	Recorded Notes on the Meeting Proceedings
1	Introduction: Mr. Lepono opened the meeting and gave a short description of the Mogwase (Ngwedi) Substation and 3 X 400kV Turn-ins project and explained the relevance of the meeting and also explained the purpose of the meeting. It was agreed between all parties that a PowerPoint presentation will not be given and that maps will be used instead.
2	Purpose of Meeting: The purpose of the meeting was to discuss the future mining developments by PTM and more specifically about what will be the seismic magnitude resulting from blasting activities and to discuss the pollution risks that might impact on the proposed Mogwase substation sites.
3	Points Discussed: Points discussed are captured in Appendix 1 hereunder.

Notes on Focus Group Meeting



Item	Recorded Notes on the Meeting Proceedings
4	<p>Closure and Way Forward:</p> <p>It was concluded that:</p> <ul style="list-style-type: none"> • A substation site D-1 on farm FRISCHGEWAAGD 96 JQ would not be feasible because of future mining activities in the area, future expansion plans of the mine and pollution from proposed tailing dams for Wesizwe Mine at farm Mimosa • Problems with proposed Substation D, is drainage issues due to the Elands River and the other smaller tributaries in close proximity to it. • A new locality for the proposed substation should be investigated towards the south west of the study area, since information obtained during this meeting indicated the area to the east and south east will be subject to intense mining developments in the near future, with regards to new shafts be established, slimes dumps, pollution and associated seismic events resulting from mining activities. An area for a proposed site was pointed out during the meeting which should be further investigated. This information should also be shared with system planning. It was also proposed that meetings with the other mining groups should be arranged to obtain information with regards to seismic information and near future developments they plan. • A proposed site on portion 12 of farm ELANDSFONTEIN 102 JQ will be investigated. • Platinum Group Metals is willing to donate the above-mentioned site to Eskom for the proposed Mogwase substation, if this site is found to be suitable. • Impala Platinum was said to be the only mining company that has data on seismic activities. <p>The way forward was explained as:</p> <ul style="list-style-type: none"> • Meetings with the following mining houses will be arranged in order to obtain their future development plans, any data on seismic activities that is available and suggestion of possible sites for the proposed substation within their own land: <ul style="list-style-type: none"> ➢ Royal Bafokeng Nation ➢ Wesizwe ➢ Anglo Platinum ➢ Impala Platinum ➢ Mr. Willie Visser (PTM) will provide the following information to the Consultants: <ul style="list-style-type: none"> ➢ A copy of the Air Quality report conducted on behalf of PTM. ➢ A copy of the EIA done on farm ELANDSFONTEIN 102 JQ. ➢ Shape files indicating the mining activities for the various mining houses in the area, • The Minutes of the meeting will be distributed to all attendees • The consultants will: <ul style="list-style-type: none"> ➢ Obtain more information on the EIA/ RoA from DEA for Wesizwe’s proposed tailings dam. ➢ Contact CAA to ensure that the communications tower at the new proposed substation site and pylons (Elandsfontein) will not impact on their flight path at the Pilanesberg International Airport ➢ Obtain information from Eskom Distribution relating to pollution at their substations in the study area. <p>Mr. Lepono thanked everybody for attending the meeting and closed the meeting.</p>

Notes on Focus Group Meeting



APPENDIX 1

No	Issue	Raised By	Response
1	Where is the substation going to be?	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.
2	There is a new hospital being built near your site E.	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.
3	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.	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.
4	Although the smaller rivers don't always carry water, they do carry moisture.	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.
5	Our area is very shallow, but there is some seismic activity at Stylsdrift 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.	Dave Arnold	Mr. Grové confirmed the clay deposit and mentioned that the 'Hilo Weather Norrright' clay at a depth of up to 5m can be tolerated with his design of the substation.
6	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 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.	Dave Arnold	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.

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7	<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> <p>A map indicating the different mining houses and the depths at which they mine provided the following information:</p> <table border="1"> <thead> <tr> <th>Mining House</th> <th>Mining Depth</th> </tr> </thead> <tbody> <tr> <td>Royal Bafokeng Nation</td> <td>800m with plans to go deeper,</td> </tr> <tr> <td>PTM</td> <td>660m</td> </tr> <tr> <td>Wesizwe</td> <td>850m</td> </tr> <tr> <td>Stylsdrift</td> <td>1,100m</td> </tr> <tr> <td>Impala</td> <td>1,500m</td> </tr> </tbody> </table>	Mining House	Mining Depth	Royal Bafokeng Nation	800m with plans to go deeper,	PTM	660m	Wesizwe	850m	Stylsdrift	1,100m	Impala	1,500m	Willie Visser	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.
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8	<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>	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>												
9	<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 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.</p>	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> <p>Mr. Grové wants to know how the slimes from Platinum mining compare to that of Gold mining.</p>												
10	<p>It is much more stable and heavier than that from Gold mining. The wind doesn't blow so much dust up.</p>	Willie Visser	Mr. Lepono raises the question about what the degree of pollution on the Distribution substations in the area is.												
11	<p>The location on ELANDSFONTEIN falls in line with the alignment of the 6x765kV power lines from Medupi.</p>	Willie Visser	Mr. Grové acknowledges that this is important information.												
12			Mr. Lepono mentions the issue about the communications tower maybe having an impact on the flight path of the Pilanesberg International Airport.												