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## ACWA Power Solar Reserve Redstone Solar Thermal Power Plant

Registration Nr : 2014/287655/07

C/O Prabashen Govender  
Office XX07001  
90 Grayston Drive  
Sandton  
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Date: 04 April 2015

Dear Prabashen,

### **RE: DEVELOPMENT OF TWO 132KV POWER LINES NEAR LIME ACRES**

This letter is in response to your email request, dated 13 January 2015, to provide an assessment on the potential development of two 132kV power line near Lime Acres, and the risk they may pose on the Square Kilometre Array Project.

A high level risk assessment has been conducted at the South African SKA Project Office to determine the potential impact of such facilities on the Square Kilometre Array. This letter serves to confirm the outcomes of the risk assessment, and proposals for any future investigations associated with this facility.

- i. The proposed route of the power line was provided by SiVest: Environmental Division in the form of Google Earth GIS files. The nearest SKA station has been identified as Rem-Opt-8, located approximately 80km from the proposed route;
- ii. Based on distance to the nearest SKA station, and the information currently available on the detailed design of the power lines, these power lines poses a low risk of detrimental impact on the SKA;
- iii. Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant AGA regulations concerning the restriction of use of the radio frequency spectrum that applies in the area concerned;
- iv. As a result of the low risk associated with the 132kV power lines near Lime Acres, no mitigation measures would be required at this stage. However, the South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to further risk assessments at a later stage.



SKA SOUTH AFRICA  
SQUARE KILOMETRE ARRAY

This technical advice is provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.

Regards,

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