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Date: 07 July 2014

Dear Mr. Rosenthal,

**Re: Development of a Photovoltaic (PV) Facility near Augrabies in the Northern Cape Province**

This letter is in response to your email request to provide an assessment on the potential development of a solar powered electricity generation facility near Augrabies in the Northern Cape Province, and the risk it 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 facility 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 location of the proposed facility has been provided in the form of GIS shapefiles by Rosenthal Environmental;
- ii. The nearest SKA stations has been identified as Rem-Opt-9 at approximately 49km from the proposed PV installation;
- iii. Based on the distances to the nearest SKA stations, and the information currently available on the detailed design of the PV installations, this facility poses a low risk of detrimental impact on the SKA;
- iv. As a result of the low risk associated with the PV facility, 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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