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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 Redstone Solar Thermal Power (CSP) Facility on Remaining portion of the Farm
No. 469, Hay Administrative Division in the Northern Cape Province**

This letter is in response to your email request, to provide an assessment on the potential development of Redstone solar thermal power plant (DEA Ref No: 12/12/20/2316) electricity generation facilities in the Northern Cape Province 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 location of the proposed facility has been provided in a Google Earth KML file format,
- II. The nearest SKA station has been identified as Rem-Opt-8, at approximately 83km from the proposed installation at Redstone solar thermal power plant;
- III. Based on distance to the nearest SKA station, and the information currently available on the detailed design of the CSP installation, this facility poses a very low risk of detrimental impact on the SKA;
- IV. 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;
- V. As a result of the very low risk associated with the CSP facility at Redstone solar thermal power plant, 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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