



Savannah Environmental (Pty) Ltd | Directors: KM Jodas, J Thomas, M Matsabu Company Reg No.: 2006/000127/07

VAT Reg No.: 4780226736

10 September 2019

Dear Stakeholder and Interested and Affected Party,

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE (DEA REF: 14/12/16/3/3/2/481)

NOTIFICATION OF AVAILABILITY OF THE MOTIVATION REPORT FOR REVIEW AND COMMENT

Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

The project is intended to be bid into the Risk Mitigation Independent Power Producer (IPP) Programme of the Department of Mineral Resources and Energy which requires a generation capacity of 2 000MW. There has been advancements to photovoltaic (PV) panel technology since the issuing of the EA, and the type of PV panels considered at the time of the issuing of the EA are therefore considered not to be the most suitable in terms of production and economic considerations. It is for this reason that the Applicant has submitted an Application to the Department of Environment, Forestry and Fisheries for a Part 2 Amendment Process to consider an increase in the capacity of the authorised Sirius Solar PV Project Two by 75MW to ensure adequate electricity supply, as well the construction and operation of a Battery Energy Storage System (BESS) for the solar PV facility.

The BESS will have a contracted capacity of up to 4.5GWh and will be located within a development area within an extent of up to 18ha within the authorised development footprint of the solar PV facility. The BESS will have a footprint of 6.5ha and will be adjacent to the authorised on-site facility substation of the solar PV facility.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project description of the EA (dated 9 July 2014) as follows:

Export Capacity	150MW
Battery Energy Storage System	Consisting of the following components: - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur or Vanadium Redox batteries inside containers with a maximum height of 2.8m; and - Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility.

In terms of Condition 5 of the Environmental Authorisation dated 9 July 2014 and Regulation 31 of the EIA Regulations, 2014, as amended, it is possible for an applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In order to verify the potential for a change in the impacts on ecology, water resources, soil and agricultural potential, heritage and palaeontology, visual and social aspects, specialist input into the amendment motivation report has been included.

Savannah Environmental has prepared a Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The Motivation Report is available for a 30-day review and comment period from **Friday**, **11 September 2020** to **Monday 12 October 2020** and can be downloaded from Savannah Environmental's website (https://www.savannahsa.com/public-documents/energy-generation/sirius-solar-pv-project-two/). The due date for written comment is **Monday**, **12 October 2020**.

All comments received will be included in the final Motivation Report which will be submitted to the DEFF for review and decision-making.

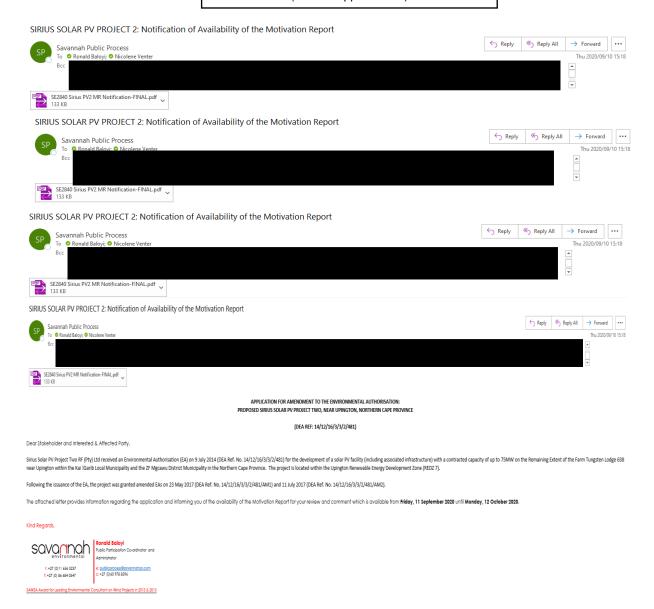
Our team welcomes your participation and looks forward to your involvement throughout this process. We also welcome you to share this information with any other parties that you feel will have interest in the project and should be part of this process (such as occupiers of directly affected or surrounding properties, interest groups, community groups etc.).

Kind regards,

Nicolene Venter

Public Participation and Social Consultant E-mail: publicprocess@savannahsa.com

Send to all registered I&APs on project database (refer to Appendix H1)



Nicolene Venter

From: Public Process < publicprocess@savannahsa.com>

Sent: Thursday, September 10, 2020 6:16 PM

To: Nicol Jansen
Cc: Nicolene Venter

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Attachments: SE2840 Sirius PV2 MR Notification OoS-FINAL.pdf

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

(DEA REF: 14/12/16/3/3/2/481)

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Nicolene Venter

From: Public Process < publicprocess@savannahsa.com>

Sent: Thursday, September 10, 2020 6:16 PM

To: Samantha Ralston Paton

Cc: Nicolene Venter

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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From: Savannah Public Process

Sent: Thursday, 10 September 2020 18:16

To: Constant Hoogstad Cc: Nicolene Venter

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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From: Savannah Public Process

Sent: Thursday, 10 September 2020 18:16

To: Adrian Tiplady
Cc: Nicolene Venter

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

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From: Savannah Public Process

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To: Serame Motlhake
Cc: Nicolene Venter

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Sirius Solar PV Project Two

Sirius Solar PV Project Two

Project Name: Sirius Solar PV Project Two Part 2 Amendment, Northern Cape Province.

Applicant: Sirius Solar PV Project Two RF (Pty) Ltd

Proposed Amendments: To include the construction and operation of a Battery Energy Storage System (BESS) for the authorised Sirius Solar PV Project Two, with a contracted capacity of up to 4.5MWh into the project description of the Environmental Authorisation (EA), as well as an increase in the contracted capacity of Sirius Solar PV Project two by 75MW within the authorised development footprint. The BESS will have a footprint of approximately 6.5ha and will be developed within the authorised footprint of Sirius Solar PV Project Two in close proximity to the substation. The BESS will connect to the authorised on-site facility substation of Sirius Solar PV Project Two via underground cables.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries to amend the project description of the EA (dated 9 July 2014) as follows:

Export Capacity	150MW
Battery Energy Storage System	Consisting of the following components: - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur and Vanadium Redox batteries inside containers with a maximum height of 2.8m; and
	 Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility.

Project Location: -21km south-west of Upington, within the Kai IGarib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province on the Remaining Extent of the Farm Tungsten Lodge 638. The project falls within the Upington Renewable Energy Development Zone (REDZ 7).

In terms of Condition 5 of the Environmental Authorisation dated 9 july 2014 and Regulation 31 of the EIA Regulations of December 2014, as amended, it is possible for an Applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In terms of Regulation 32 of the Environmental Impact Assessment Regulations of 2014, as amended, opportunity is being provided to the public to submit comments on the proposed amendments. Interested and Affected Parties can request further information via email or telephone correspondence from the contact person below. Comments can be submitted in writing via post or email to the contact person below:

Nicolene Venter

PO Box 148, Sunninghill, 2157

Phone: 011 656 3237

Mobile: 060 978 8396

Fax: 086 680 0547

E-mail: publicprocess@savannahsa.com

Website: https://www.savannahsa.com/

September 2020

Documents for public review are available for download.

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Sirius Solar PV Project Two

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Revised Motivation Report



Savannah Environmental (Pty) Ltd | Directors: KM Jodas, J Thomas, M Matsabu Company Reg No.: 2006/000127/07

VAT Reg No.: 4780226736

19 October 2020

Dear Stakeholder and Interested & Affected Party,

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE (DEA REF: 14/12/16/3/3/2/481)

NOTIFICATION OF AVAILABILITY OF THE <u>REVISED</u> MOTIVATION REPORT FOR REVIEW AND COMMENT

Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

The project is intended to be bid into the Risk Mitigation Independent Power Producer (IPP) Programme of the Department of Mineral Resources and Energy which requires a generation capacity of 2 000MW. There has been advancements to photovoltaic (PV) panel technology since the issuing of the EA, and the type of PV panels considered at the time of the issuing of the EA are therefore considered not to be the most suitable in terms of production and economic considerations. It is for this reason that the Applicant has submitted an Application to the Department of Environment, Forestry and Fisheries for a Part 2 Amendment Process to consider an increase in the capacity of the authorised Sirius Solar PV Project Two by 75MW to ensure adequate electricity supply, as well the construction and operation of a Battery Energy Storage System (BESS) for the solar PV facility.

The BESS will have a contracted capacity of up to 4.5GWh and will be located within a development area within an extent of up to 18ha within the authorised development footprint of the solar PV facility. The BESS will have a footprint of 6.5ha and will be adjacent to the authorised on-site facility substation of the solar PV facility.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project description of the EA (dated 9 July 2014) as follows:

Export Capacity	150MW
Battery Energy Storage System	Consisting of the following components: - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur or Vanadium Redox batteries inside containers with a maximum height of 2.8m; and - Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility.

In terms of Condition 5 of the Environmental Authorisation dated 9 July 2014 and Regulation 31 of the EIA Regulations, 2014, as amended, it is possible for an applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In order to verify the potential for a change in the impacts on ecology, water resources, soil and agricultural potential, heritage and palaeontology, visual and social aspects, specialist input into the amendment motivation report has been included.

Savannah Environmental has prepared a <u>Revised</u> Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The <u>Revised</u> Motivation Report, <u>including the updated Environmental Management Programme</u>, is available for a 30-day review and comment period from <u>Tuesday</u>, <u>20 October 2020</u> to <u>Friday</u>, <u>20 November 2020</u> and can be downloaded from <u>Savannah Environmental</u>'s website (https://www.savannahsa.com/publicdocuments/energy-generation/sirius-solar-pv-project-two/). The due date for written comment is **Friday**, <u>20 November 2020</u>.

All comments received on the <u>Revised</u> Motivation Report will be included in the final Motivation Report which will be submitted to the DEFF for review and decision-making.

Our team welcomes your participation and looks forward to your involvement throughout this process. We also welcome you to share this information with any other parties that you feel will have interest in the project and should be part of this process (such as occupiers of directly affected or surrounding properties, interest groups, community groups etc.).

Kind regards,

Nicolene Venter

Public Participation and Social Consultant E-mail: publicprocess@savannahsa.com

Proof of email - SIRIUS SOLAR PV2 PROJECR 2: Notification of the availability of the Revised Motivation Report for review and comment

