

14 October 2020

Dear Stakeholder and Interested & Affected Party,

**APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
LICHTENBURG 1, LICHTENBURG 2 & LICHTENBURG 3 PV FACILITIES, NORTH WEST PROVINCE**

(DEA Refs: 14/12/16/3/3/2/1091, 14/12/16/3/3/2/1092 & 14/12/16/3/3/2/1093)

NOTIFICATION OF AVAILABILITY OF THE MOTIVATION REPORT FOR REVIEW AND COMMENT

ABO Wind Lichtenburg 1 PV (Pty) Ltd, ABO Wind Lichtenburg 2 (Pty) Ltd and ABO Wind Lichtenburg 3 (Pty) Ltd received Environmental Authorisations (EAs) in July 2019 (DEA Ref. Nos. 14/12/16/3/3/2/1091, 14/12/16/3/3/2/1092 and 14/12/16/3/3/2/1093) for the development of solar energy facilities (including associated infrastructure) near Lichtenburg within the Ditsobotla Local Municipality and the Ngaka Modiri Molema District Municipality, Northern West Province. The development of the BESS for each of the solar energy facilities is based on the intention to bid the project as part of the Risk Mitigation Independent Power Producer (IPP) Procurement Programme and/or Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) of the Department of Mineral Resources and Energy (DMRE) and/or any future relevant procurement programme. Ultimately, the development of the solar energy facilities as well as the battery energy storage is intended to be part of the renewable energy projects portfolio for South Africa, as contemplated in the Integrated Resources Plan (IRP). For solar energy to be dispatchable it will require the additional battery energy storage applied for in this amendment.

The proposed amendment includes the construction and operation of a Battery Energy Storage (BESS) for the authorised Lichtenburg 1, Lichtenburg 2 and Lichtenburg 3 facilities with a capacity of up to 500MW/500MWh into the project description of the Environmental Authorisations (EAs) of each of the solar energy facilities. The BESS will be developed within the development footprint, within the authorised laydown area of each of the PV facilities, and with an extent of no more than 5ha.

Taking the above into consideration, ABO Wind Lichtenburg 1 PV (Pty) Ltd, ABO Wind Lichtenburg 2 (Pty) Ltd and ABO Wind Lichtenburg 3 (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project description of the EA (dated 01 July 2019, 02 July 2019 and 03 July 2019) as follows:

Battery Energy Storage System	<p>Consisting of the following components:</p> <ul style="list-style-type: none"> - Electrochemical battery storage systems (including either Lead Acid and Advanced Lead Acid, NiCd, NiMh-based batteries, Temperature (NaS, Na-NiCl₂, Mg/Pb/Sb) batteries or Flow batteries (VRFB, Zn-Fe, Zn-Br)) with a maximum height of 3.5m; and - Multi-core 33kV underground cables, to follow internal access roads of each PV facility, to connect the battery storage systems to the on-site facility substations.
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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 and surface hydrology; avifauna; soils and agricultural potential; heritage; visual and social aspects as a result of the proposed amendment, specialist inputs into the amendment motivation reports have been included.

Savannah Environmental has prepared Motivation Reports in support of this Amendment Applications on behalf of the Applicants. The Motivation Reports are available for a 30-day review and comment period from **Friday, 16 October 2020** to **Monday, 16 November 2020** and can be downloaded from Savannah Environmental's website (<https://www.savannahsa.com/public-documents/energy-generation/>). The due date for written comment is **Monday, 16 November 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

Savannah Environmental
Website Uploads

Lichtenburg 1, 2 & 3 PV Facilities

LICHTENBURG 1, LICHTENBURG 2 & LICHTENBURG 3 PV FACILITIES, NORTH WEST PROVINCE

(DEA REF: 14/12/16/3/3/2/1091, 14/12/16/3/3/2/1092 & 14/12/16/3/3/2/1093)

Proposed Amendments: To include the construction and operation of a Battery Energy Storage (BESS) for the authorised Lichtenburg 1, Lichtenburg 2 and Lichtenburg 3 PV facilities with a capacity of up to 500MW/500MWh into the project description of the Environmental Authorisations (EAs) of each of the facilities. The BESS will be developed within the development footprint, within the authorised laydown area of each of the PV facilities, and with an extent of no more than 5ha.

In terms of Condition 5 of the EAs (dated 01 July, 02 July and 03 July 2019) 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.

The applicants are hereby requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project descriptions of the EAs (dated 01 July, 02 July and 03 July 2019) as follows:

Battery Energy Storage System

- Consisting of the following components:
- Electrochemical battery storage systems with a maximum height of 3.5m; and
- Multi-core 33kV underground cables, to follow internal access roads of each PV facility, to connect the battery storage systems to the on-site facility substations.

Project Location: ~ 12km north of Lichtenburg and 7km south-east of Bakerville, within the Ditsobotla Local Municipality and the Ngaka Modiri Molema District Municipality in the North West Province.

Motivation Reports available for review and comment: Savannah Environmental has compiled Motivation Reports in support of the applications for the proposed amendments. The Motivation Reports are available for download, review and comment on the Savannah Environmental website. Visit our website at: <https://www.savannahsa.com/public-documents/energy-generation/>. The 30-day review and comment period for the Motivation Reports is from **Friday, 16 October 2020** to **Monday, 16 November 2020**. The final date to submit comments is **Monday, 16 November 2020**.

Nicolene Venter

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Documents for public review are available for download.

DOWNLOADS TO BE UPLOADED

Downloads

Lichtenburg PV1 Facility

Motivation Report

Appendix A - Ecology Specialist Letter

Appendix B - Avifauna Specialist Letter

Appendix C - Soils & Agriculture Specialist Letter

Appendix D - Heritage Specialist Letter

Appendix E - Visual Specialist Letter

Appendix F - Social Specialist Letter

Appendix F1 - Social Specialist Peer Review Letter

Appendix G1 - I&AP Database

Appendix G2 - Consultation with I&APs

Appendix G3 - Consultation with Organs of State

Appendix G4 - Advertisements and Site Notices

Appendix G5 - Comments Received

Appendix G6 - Comments and Responses Report

Appendix G7 - Public Participation Plan

Appendix H - Environmental Management Programme

Appendix I - Maps

Appendix J - CVs

Appendix K - EAP Affirmation

SAHRIS



















Website Uploads

Lichtenburg 1 Environmental Authorisation Amendment

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CaseHeader	LocationInfo	Admin	
Status: Closed (Approved)			
HeritageAuthority(s): SAHRA NBKB			
Case Type: Section 38 (8) - Statutory Comment Required			
Development Type: Solar			
ProposalDescription: ABO Wind Lichtenburg 1 PV (Pty) Ltd proposing the Amendment to include the construction and operation of a Battery Energy Storage (BESS) for the authorised Lichtenburg 1, Lichtenburg 2 and Lichtenburg 3 PV facilities with a capacity of up to 500MW/500MWh into the project description of the Environmental Authorisations (EAs) of each of the facilities. The BESS will be developed within the development footprint, within the authorised laydown area of each of the PV facilities, and with an extent of no more than 5ha.			
ApplicationDate: Friday, October 16, 2020 - 12:43			
CaseID: 15633			
Applicants: ABO Wind Lichtenburg 1 PV (Pty) Ltd			
Consultants/Experts: Lisa Opperman			
OtherReferences:			
Dept	CaseReference	DueDate	FinalDecision
DEA			
Heritage Reports: Lichtenburg 1 PV Amendment to Environmental Authorisation			
ReferenceList:			

Additional Documents

1.  Motivation Report
2.  App A-Ecology Specialist Letter
3.  App B-Avifauna Specialist Letter
4.  App C-Soil & Agriculture Specialist Letter
5.  App E-Visual Specialist Letter
6.  App F-Social Specialist Letter
7.  App F1-Social Specialist Peer Review Letter
8.  App G1-I&AP Database
9.  App G2-Consultation with I&APs
10.  App G3-Consultation with Organs of State
11.  App G4-Advertisements and Site Notices
12.  App G5-Comments Received
13.  App G6-Comments and Responses Report
14.  App G7-Public Participation Plan
15.  App H-EMPr
16.  App I-Maps
17.  App J-CV's
18.  App K-EAP Affirmation

**Reminder notification sent to everyone on the Database.
Please refer to Appendix G1 - I&AP Database**

Proof of email - Lichtenburg PV2: Notification for the Amendment to the EA and the Motivation Reports for review and comment period ending soon

