

**Our Ref:**



an agency of the  
Department of Arts and Culture

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CaseID: 16653

Date: Friday July 09, 2021

Page No: 1

## **Interim Comment**

### **In terms of Section 38(3) of the National Heritage Resources Act (Act 25 of 1999)**

Attention: SiVEST SA (Pty) Ltd

#### **Basic Assessment (BA) for the Proposed Development of the 9.9MW Leeuwbosch 1 Solar Photovoltaic (PV) Plant and associated infrastructure near Leeudoringstad in the North West Province, Maquassi Hills Local Municipality Dr Kenneth Kaunda District Municipality**

SiVEST SA (Pty) Ltd has been appointed by Leeuwbosch PV Generation (Pty) Ltd ) to conduct an Environmental Authorisation (EA) Application for proposed development of the 9.9MW Leeuwbosch 1 Solar Photovoltaic (PV) plant and associated infrastructure on Portion 37 of the Farm Leeuwbosch 44 near Leeudoringstad, Maquassi Hills Local Municipality, Dr. Kenneth Kaunda District, North West Province.

A draft Basic Assessment Report (dBAR) has been submitted in terms of the National Environmental Management Act, no 107 of 1998 (NEMA). The proposed Solar PV Plant forms part of Four (4) Solar PV Plants and associated infrastructure that are being proposed as part of the greater Leeudoringstad Solar PV Project. The Scope of work for the 9.9MW Leeuwbosch 1 Solar Photovoltaic (PV) will include PV fields comprising multiple PV modes with associated infrastructure which includes but not limited to access roads, one switching substation, one permanent guardhouse, one temporary building zone.

SiVEST SA (Pty) Ltd, PGS Heritage (Pty) Ltd, and Banzai Environmental (Pty) Ltd have been appointed to provide heritage input into the EA process as per section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA) as required by section 24(4)b(iii) of NEMA.

*PGS Heritage (Pty) Ltd. May 2021. Heritage Impact Assessment: Proposed Development of the 9.9MW Leeuwbosch 1 Solar PV Plant, 9.9MW Leeuwbosch 2 Solar PV Plant and associated infrastructure near Leeudoringstad in the North West Province.*

It should be noted that a combined report has been compiled for both the proposed Leeuwbosch 1 Solar PV Plant and Leeuwbosch 2 Solar PV Plant. This is because the proposed Solar (1& 2) PV Plant are located on the same property on Portion 37 of the Farm Leeuwbosch 44.

A total of 13 heritage resources in the greater study area of Leeuwbosch 1 and 2 Solar PV project were



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identified during fieldwork. According to the report none of the identified heritage resources fall within the development footprint of Leeuwbosch 1 Solar PV Plant and Leeuwbosch 2 Solar PV Plant. It is important to note that the design layout took into consideration the position of these resources.

The following sites, LD01, LD03, LD04, LD05, LD06, LD07, LD09, LD10, LD11, and LD12 were recorded and identified as archaeological sites of medium to low significance. However, only 12 sites are listed in the report and **LD08** is missing. LD13 was identified as a recent historical handling kraal consisting of a wind pump, cement water dam, feeding and water troughs, loading ramps, and corner posts for a kraal. Site LD13 is dated 1954 as per inscription on one of the troughs.

Finally, site LD02 is recorded and identified as a burial ground situated south of the northern boundary fence of the study area. The burial ground consists of about 10 graves. All graves are aligned east-west and are stone packed with no formal headstones. The burial ground covers an estimated area of 10x10 m.

The following were recommended for identified resources and the project:

- For sites LD01, LD03, LD04, LD05, LD06, LD07, LD09, LD10, LD11, and LD12 a 20 m buffer zone should be maintained,
- A 30 m buffer zone should be maintained for site LD02, a burial ground,
- An archaeologist must monitor earth moving activities during construction.

*Banzai Environmental (Pty) Ltd. May 2021. Palaeontological Desktop Assessment: Proposed Development of the 9.9MW Leeuwbosch 1 Solar PV Plant, 9.9MW Leeuwbosch 2 Solar PV Plant, 132/11KV Leeudoringstad Solar PalntSubstation and associated infrastructure near Leeudoringstad in the North West Province.*

It should be noted that a combined report has been compiled for both the proposed Leeuwbosch 1 Solar PV Plant and Leeuwbosch 2 Solar PV Plant. This is because the proposed Solar (1& 2) PV Plant are located on the same property on Portion 37 of the Farm Leeuwbosch 44, are identical in nature and have the same associated impacts and recommended mitigation measures.

The broader area near Leeudoringstad is underlain by the Allanridge Formation (Ventersdorp Supergroup). The ancient basement rocks, including the Allanridge Formation, are not known to be fossiliferous and thus there is no possibility that the rocks of the Allanridge Formation will contain any fossils. Thus, it is,

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Page No: 3

recommended that the construction and operation of the Leeuwbosch 1 Solar PV Plant, Leeuwbosch 2 Solar PV Plant, and Leeudoringstad Solar Plant Substation may be authorised as the whole extent of the development footprint is not considered as sensitive in terms of palaeontological resources.

The SAHRA APM Unit has noted that a development footprint kml. polygon file has not been submitted along with the rest of the required details as required. Therefore, the case application cannot be subjected to a palaeontological sensitivity assessment as per SAHRA's palaeosensitivity map.

**Interim Comment**

The SAHRA Archaeology, Palaeontology, Meteorite Unit acknowledges receipt of the dBAR and HIA with the recommendations provided therein. It is noted that a kml. detailing the geographic location of the proposed project has not been submitted as required. As such the application cannot be subjected to Palaeontological Assessment through SAHRA's PalaeoSensitivity Maps. Therefore, it is requested that a kml. polygon file be submitted for Palaeontological Assessment.

Further comments will be issued upon receipt of the above.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

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Elijah Dumisani Katsetse  
Heritage Officer  
South African Heritage Resources Agency

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Page No: 4

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Phillip Hine

Manager: Archaeology, Palaeontology and Meteorites Unit  
South African Heritage Resources Agency

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**ADMIN:**

Direct URL to case: <https://sahris.sahra.org.za/node/576293>

(DEA, Ref: )