



# Mulilo Renewable Energy Solar PV De Aar (RF) (PTY) LTD



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Solar

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25 October 2012

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Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

Attention: Mr Ndivhudza Sebei

Dear Mr Sebei

**APPROVAL OF THE FINAL LAYOUT PLAN AND CONSTRUCTION, OPERATION AND  
DECOMMISSIONING OF AN EMP FOR THE PROPOSED 10MW PHOTOVOLTAIC POWER  
GENERATION FACILITY, DE AAR NORTHERN CAPE  
&  
UPDATE OF EMP FOR AUTHORISATION**

DEA Ref. No. 12/12/20/1673 & NEAS Ref. No. DEAT/EIA/6411/2009 (Paarde Valley)

Our approval dated 9 October 2012 regarding the EMP and Site layout plans for Mulilo Renewable Energy Solar PV De Aar (RF) (PTY) LTD has reference.

The Lenders for the above project have requested we update the approved EMP according to the latest comments received by SAHRA dated Tuesday 02 October 2012.

We hereby request approval from DEA for the updated EMP.

The updates are summarized as follows:

Reference	Current Statement	New Statement
PG 24, Table 2 - <b>Archaeology</b>	i. Prior to any construction activities being undertaken, mapping and sampling of archaeological remains is required. This will entail fairly extensive horizontal excavation of the site, including the mapping, recovery, analysis, reporting and storage of archaeological finds.	<ul style="list-style-type: none"> <li>Although the AIA (Archaeology Impact Assessment) calls for mitigation in the form of recording and collecting of artefacts, the author explicitly states that the artefacts have shifted considerably both vertically and horizontally and that there is no potential for <i>in situ</i> material or deposit and no possibility of</li> </ul>

	<p>i. A photographic record must be established before, during and after mitigation.</p> <p>ii. Archaeologist need to require a mitigation permit from SAHRA in terms of s.35 of the National Heritage Resources Act (Act 25 of 1999).</p> <p>iii. On receipt of a satisfactory mitigation (Phase 2) permit report from the archaeologist, SAHRA will make further recommendations.</p>	<p>dating the site. The archaeologist concludes that the site is of low significance and of no research potential.</p> <ul style="list-style-type: none"> <li>SAHRA considers mitigation unnecessary and thus will not be required pre construction. Please refer to Appendix 10 for SAHRA Final Comment.</li> </ul>
PG 3 & 149, Appendix 10	<i>"No appendix 10"</i>	<i>"Included Appendix 10 – SAHRA Final Comment with no mitigation requirement &amp; Updated List of Appendices PG3"</i>

Please find a copy of the DEA EMP Approval and a copy of the SAHRA Final Comment attached.

We trust that the information provided is sufficient for your Department to make an informed decision regarding the abovementioned projects. Should you have any queries please contact the undersigned.

Yours sincerely

**Mulilo Renewable Energy Solar PV De Aar (RF) (Pty) Ltd**

**Warren Morse**  
Project Engineer





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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NEAS Reference: DEAT/EIA/6411/2009

DEA Reference: 12/12/20/1673

Enquirer: Ndivhudza Sebel

Tel: (012) 395-1774 Fax: (012) 320-7539 E-mail: Nsebel@environment.gov.za

Mr Johannes Coetzee  
Mulilo Renewable Energy Solar PV De Aar (Pty) Ltd  
P.O. Box 50  
CAPE TOWN  
7525

Fax no: 021 385 1729

Dear Mr. Coetzee

### APPROVAL OF THE FINAL LAYOUT PLAN AND CONSTRUCTION, OPERATION AND DECOMMISSIONING OF AN EMP FOR THE PROPOSED 10MW PHOTOVOLTAIC POWER GENERATION FACILITY, DE AAR NORTHERN CAPE PROVINCE

The Environmental Management Programme (EMPr) for the construction, operation and decommissioning and the final layout plan for the proposed 10MW photovoltaic power generation facility, De Aar, Emthanjeni Local Municipality, Northern Cape Province dated May 2012 refers.

This Department has accepted, evaluated and hereby approves the EMPr and the final layout plan for the abovementioned project. The EMPr adequately addresses the possible impacts associated with the construction, operation, decommission and rehabilitation phases of the project. This EMPr and final layout plans should be regarded as a 'living document', which may be amended from time to time as and when the need arises.

For future amendments to this EMPr and final layout plans, your attention is drawn to the process outlined in GN R.543, Regulation 46 of EIA Regulations, 2010. Amendments to the EMPr and final layout plans must be approved by this Department in writing before commencement.

Yours sincerely

Mr Mark Gordon  
Chief Director: Integrated Environmental Authorisations  
Department of Environmental Affairs  
Letter signed by: Ms Fatima Rawjee  
Designation: Acting Director: Integrated Environmental Authorisations  
Date: 09/10/2012

Mr D Janaka  
Ms J Mulyoraula

DJ Environmental consultants  
NC DENC

Fax: 021 851 0933  
Fax: 053 631 0343



## Final Comment

### In terms of section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Quinton Terhoven  
DJ Environmental Consultants  
Postnet Suite 66  
Private Bag X15  
Somerset West  
7130

### PROPOSED PHOTOVOLTAIC POWER GENERATION FACILITY IN DE AAR NORTHERN CAPE

Archer, W. June 2012. *Archaeological Impact Assessment: proposed photovoltaic power generation facility in De Aar, Northern Cape*

Mulilo Renewable Energy Solar PV De Aar (Pty) Ltd is proposing a 20 MW Photovoltaic power generation facility in the Northern Cape, close to De Aar. Two alternative options, one North West of the city and one South East of it, have been identified.

The total energy production will be 20 MW and the footprint for the power plant will be 400 x 400 m (16 ha). Two AIAs have been previously commented on by SAHRA, but these both considered sites that have been decided against by the developer. A new site has been identified as the preferred site location.

A one day survey was conducted by the archaeologist who identified scatters of *ex situ* material occurring in deflated contexts particularly in the west of the study area. These artefacts were predominantly on heavily patinated hornfels, with several pieces showing dual patination, indicating repeated use of the landscape through time. The scatter occurred over a wide area, was amorphous and lacked typological markers or formal tools, with the exception of a reworked bifacial point and two prepared platform cores. The presence of prepared platform flakes indicates a Middle Stone Age component, although it is likely much of the material may have been brought to the area during the Later Stone Age.

#### Decision:

Although the AIA calls for mitigation in the form of recording and collecting of artefacts, the author explicitly states that the artefacts have shifted considerably both vertically and horizontally and that there is no potential for *in situ* material or deposit and no possibility of dating the site. The archaeologist concludes that the site is of low significance and of no research potential and SAHRA therefore considers mitigation unnecessary.

SAHRA Archaeology, Palaeontology and Meteorites Unit has no objection to the development (in terms of the archaeological component of the heritage resources) on condition that, if any new evidence of archaeological sites or artefacts, palaeontological fossils, graves or other heritage resources are found during development, construction or mining, SAHRA and an archaeologist and/or palaeontologist, depending on the nature of the



**De Aar PV 2 - 1673**

**Our Ref: 9/2/025/0001**

Enquiries: Kathryn Smuts  
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Email: [ksmuts@sahra.org.za](mailto:ksmuts@sahra.org.za)  
CaseID: 194

Date: Tuesday October 02, 2012

Page No: 2



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finds, must be alerted immediately.

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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Kathryn Smuts  
Heritage Officer: Archaeology  
South African Heritage Resources Agency

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Colette Scheermeyer  
SAHRA Head Archaeologist  
South African Heritage Resources Agency

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**ADMIN:**  
(DEA, Ref: 12/12/20/1673)

**Terms & Conditions:**

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any **heritage** resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request **additional** information as required.



The South African Heritage Resources Agency

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