

**NATURA VIVA cc**  
***Palaeontological Impact Assessments & Heritage Management,***  
***Natural History Education, Tourism, Research***

**Acwa Power**  
**Care of Lusani Madali**  
**Per email: LRathanya@acwapower.com**

**4 December 2020**

Dear Lusani,

**ADDENDUM**

**1. Background**

This letter serves as an Addendum to the Palaeontological Heritage Assessment for the Bokpoort Solar Power Facility on the Remaining Extent of Farm Bokpoort 390 near Groblershoop, Northern Cape Province submitted by the author (Almond 2020).

**2. Purpose of the Amendment Process**

Acwa Power is proposing the construction and operation of an additional 9.9MW Internal Combustion Engine (ICE) on the following authorised PV Plants:

- Pedi PV Plant (Ref 14/12/16/3/3/1/2150);
- Venda PV Plant (Ref 14/12/16/3/3/1/2142);
- Zulu PV Plant (Ref 14/12/16/3/3/1/2151);
- Afrikaans PV Plant (Ref 14/12/16/3/3/1/2147);
- Ndebele PV Plant (Ref 14/12/16/3/3/1/2149);
- Swati PV Plant (Ref 14/12/16/3/3/1/2146); and
- Sotho PV Plant (Ref 14/12/16/3/3/1/2145).

and wishes to enter it as such into the project description of the Environmental Authorisation (EA).

**3. Project Description**

**Proposed additional infrastructure includes:**

- Internal Combustion Engine (reciprocating engine) with the following specifications:

Generating capacity: 9.9 MW

Fuel Type: LPG/LNG

Stack height: 50-70m

Number of engines: 1 for each plot (it is subject to the engine size, various load size available in the market)

Fuel storage tanks: 5 for each plot

Fuel volume: 1000 m<sup>3</sup> for each plot

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Water requirements: limited water for cooling  
Area size: 1.5 ha

#### **4. Conclusion and Recommendations**

In consideration of the proposed addition of the ICE, there is no (zero) change to the significance rating compared with the original Environmental Impact Assessment (EIA) Palaeontological Heritage report and no additional impacts on palaeontological are envisaged. In addition to this, no new mitigation measures are required.

The proposed amendment is expected to have a neutral effect from a palaeontological heritage impact perspective *i.e.* no advantages or disadvantages are expected.

It is therefore suggested that the proposed amendment allowing for the addition of the ICE be supported, subject to the conditions and recommendations as stipulated in the original Environmental Authorisation, and according to the Environmental Management Programme and suggested mitigation measures, as provided in the original Palaeontological Heritage Assessment report.

Feel free to contact me at any time, should you have any queries.

Yours faithfully,



**Dr John E. Almond**  
**(Palaeontologist)**  
*Natura Viva cc*

#### **REFERENCES**

ALMOND, J.E. 2020. Proposed Bokpoort II Solar Power Facility on the Remaining Extent of Farm Bokpoort 390 near Groblershoop, Northern Cape Province. Palaeontological impact assessment: desktop study, 17 pp. Natura Viva cc, Cape Town.