

15 October 2020

TSHEPO SOLAR POWER PROJECT (RF) (PTY) LTD.

[Per e-mail: berlijn@subsolar.co.za &
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For attention: Mr. Dick Berlijn

SPECIALIST INPUT FOR THE PART 2 AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION (EA): AS PART OF THE TSHEPO PHOTOVOLTAIC (PV) SOLAR POWER PROJECT NEAR HOTAZEL IN THE NORTHERN CAPE PROVINCE

1. The cultural heritage study/assessment as part of the Environmental Impact Assessment (EIA) conducted for the Tshepo Solar Power Plant (SPP) (DEA Ref: 14/12/16/3/3/2/936) on the Remaining Extent of the farm London No. 275 near Hotazel situated within the Joe Morolong Local Municipality in the Northern Cape Province, refers.
2. The PV Solar plant is said to be tendered to the Department of Mineral Resources and Energy (DMRE) in the latter half of 2020. However, to improve the desirability and efficiency of the proposed project, the following amendments are applied for in terms of the EIA Regulations, 2014 (as amended in 2017):

- Inclusion of a battery storage system

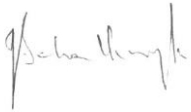
The capacity of the battery storage facility will be approximately 500 MWh and will be kept in standard shipment containers with an area of approximately 2ha. The battery to be installed will be lithium-ion, vanadium redox flow or sodium sulphur and no electrolytes will be transported to and handled on site. Battery cells will be assembled at the supplier factory prior to delivery to the sites. The battery storage facility will be located within the already authorized PV plant footprint area. There will be no need for the additional clearance of more than 2 ha of vegetation for the development of a new area for the battery storage facility.

- Inclusion of a gas engine

The gas engine will have a 9.5 MW thermal input with 3.5 MW electrical output. The engine will require low sulphur fuel oil which will be stored (within a bunded area) in above ground containers with a capacity of ~78m³. The gas engine will also be located within the authorized PV plant footprint with an area of ~50m². No additional listed activities are triggered in terms of the National Environmental Management Act, Act 107 of 1998 (NEMA) or the National Environmental Management: Air Quality Act, Act 39 of 2004 (NEM:AQA).

3. We hereby confirm that the proposed amendments will not result in any additional impacts and will not increase the level or nature of the impact, which was initially assessed and considered when application was made for an EA. The significance ratings will remain unchanged and the proposed mitigation and management measures proposed as part of the EIA process will still suffice.
4. We trust you find the above in order. If there are any uncertainties or additional information required, please feel free to contact the undersigned.

Kind regards

A handwritten signature in black ink, appearing to read "S. M. M. M.", is written above a solid horizontal line.