



Luxembourg, 19/12/2024

## Environmental and Social Completion Sheet (ESCS)

### Overview

Project Name:	KHI SOLAR ONE TOWER PROJECT
Project Number:	2010-0589
Country:	South Africa
Project Description:	Construction and operation of a greenfield solar power tower with a 50 MW nominal power generating capacity.

### Summary of Environmental and Social Assessment at Completion

**EIB notes the following Environmental and Social performance and key outcomes at Project Completion.**

The project comprised of the construction and operation of a Concentrating Solar Power (CSP) central receiver tower, heliostat/receiver technology, with a 200 m high tower and a solar field area of around 300 ha. The project site is located ca. 15 km southwest of Upington, a town in the province of the Northern Cape, in Northwest South Africa.

The project has been implemented as planned at the time of appraisal, however, the completion was delayed by about 2 years due to technical problems, weather incidents (storms affecting equipment) and health and safety incidents.

At appraisal stage, the Bank's approval of the operation was subject to the fulfilment of the following environmental and social conditions:

- The promoter will provide a copy of the final Environmental and Social Management Plan (ESMP), as approved by the environmental authority and will ensure that it is attached to the relevant construction and operation contracts.
  - This has been **fulfilled**.
- The Bank notes that a Quiver Tree, which was reported in the EIA as present onsite, can no longer be located. In this respect, the promoter will be requested to provide a report on this event, including a copy of the communications held with the environmental authorities on this subject.
  - This has been **fulfilled**.

The project has minor residual environmental impacts. The visual impact of the 200 m central tower and the 10 m high flat mirrors covering 230 ha, although visible from all directions up to a distance of 16 km, have not created concern. Noise limits and emissions have also not created any cause for complaints or concern.

The sponsor continues with its community obligations and as part of its community economic development plan, the Promoter has worked closely with representatives within the local communities, municipalities, suppliers and vendors to identify and maximise economic development opportunities. These include training for SME's, internship training, bursary programmes and donations among other activities.

### Summary opinion of Environmental and Social aspects at completion:

The EIB is of the opinion, based on reports from the promoter, site visits by the EIB team, inputs provided by Lenders' Supervisors and improvement of the Health and Safety culture on site during construction, where applicable, that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.