Pre-Feasibility Study for Embedded PV Power Projects in Kenya

Client:
Kenya Association of Manufacturers (KAM)

Location:
Nairobi, Kenya

Start Date:
February 2015

Completion Date:
July 2015

Key Services:
- Pre-Feasibility Study

In 2015, the Kenyan Association of Manufacturers (KAM) hired ASD to conduct a pre-feasibility study with advice on solar PV power generation potential of the pre-qualified sites and identify sites that justify further pre-development investment.

OVERVIEW

This project entailed the identification of physical and economic aspects of practical opportunities for developing solar PV power projects at 5 chosen sites: Great Rift Valley Lodge, Boma Hotel, Kilaguni Serena, Gertrude's Children's Hospital and Sarova Mara Game Camp Narok. ASD examined the local topography, resource assessment and provided an initial assessment of the project(s) viability. Thereafter, key areas were identified for risk assessment and mitigation actions were suggested. ASD then determined the economic viability of each site and evaluated the sites to identify the most sustainable option for location of structures. The culmination of this pre-feasibility study produced a final report for each site containing a detailed technical and financial analysis of the different project options as well as a risk assessment and future implementation recommendations.

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