

Data center energy storage sao tome

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The United Nations Development Program is seeking consultants to build a 2 MW solar project and three hydropower plants ranging in generation capacity from 1.15-2 MW.

The troubles afflicting utility EMAE are dragging down the economy of the island nation.

Image: David Stanley, Flickr

The United Nations Development Program is seeking consultants to conduct feasibility studies for a 2 MW solar project and three mini hydropower plants ranging in size from 1.15-2 MW in S?o Tom? and Principe.

The facilities, which will be a mix of grid connected and off-grid assets, are intended to improve power supply in the West African island nation.

The \$1 million studies will be financed by the UN's Green Climate Fund. Consultants have until Wednesday to offer their services for the tender.

The African Development Bank says S?o Tom? & Pr?ncipe has an electricity access rate of around 70% and installed power generation capacity of 35 MW, some 95% of which comes from thermal power. Of that theoretical capacity, however, only 58% is available, due to ageing generation assets and lack of maintenance.

The Macauhub website which reports on relations between China and Portuguese-speaking countries quoted Celestino Andrade, MD of S?o Tom? & Pr?ncipe state-owned utility EMAE as describing his electric company as "technically insolvent and [in] need [of] urgent restructuring."

Macauhub reported the monopoly-holding utility owes around \$140 million to national fuel and oil company ENCO and \$80 million to other suppliers and spends \$2 million per month on 2.2 million liters of fuel for its interconnected and isolated power plants.

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