

Lusaka solar storage

The Ngonye solar PV plant, located in Lusaka South Multi-Facility Economic Zone in the country's south, is part of the World Bank Group's Scaling Solar programme carried out by Zambia's Industrial Development Corporation (IDC).

"The start of construction of Ngonye solar plant is a new milestone in the strengthening of the Enel Group's presence in the African continent, where we already are the first private renewable operator in terms of installed capacity," said Antonio Cammisecra, Head of EGP. "Ngonye, with its clean, sustainable and reliable power, will play a significant role in helping Zambia to meet its electrification goals, demonstrating once again that renewable utility-scale power plants are the most effective solution to give access to electricity in the continent."

The Enel Group will be investing around US\$40 million in the construction of Ngonye. In June, the Enel Group signed with IDC a financing agreement of around US\$34 million for the construction of the PV plant, involving senior loans of up to US\$10 million from the International Financing Corporation (IFC), up to US\$12 million from the IFC-Canada Climate Change Program and up to US\$11.75 million from the European Investment Bank (EIB).

The PV installation will be owned by a special purpose vehicle that will see Enel hold an 80% stake and the IDC holding a 20% minority stake. EGP has signed a 25-year power purchase agreement with Zambia's state owned utility ZESCO. Once fully up and running, the facility is expected to produce around 70GWh of electricity per year.

Due to the need to diversify its energy generation mix, which is dominated by hydro, Zambia's government has set a goal of installing up to 600MW of solar power within the next two to three years. The African Development Bank (AfDB) recently approved US\$50 million of framework financing for small-scale renewable energy projects in Zambia, after droughts caused a serious electricity supply deficit also due to the country's heavy reliance on hydropower.

ZESCO Limited and Power China have signed three contracts worth US\$548 million to develop 600MW (AC) grid-connected Solar PV Power Plants to be located in Chibombo, Chirundu, and Siavonga Districts.

ZESCO Limited Managing Director, Mr. Victor Mundende said the signing of the three contracts is historic for ZESCO and Zambia as a whole, as it is a significant step towards diversifying renewable energy development in power generation.

Mr. Mundende said that the project, will among several benefits, greatly profit the over one million current and potential customers by increasing access to reliable electricity, enhance industrial development and create



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employment opportunities for local people.

And PowerChina Authorised Representative Mr. Wang Junzhou said his company was proud to partner with ZESCO in the provision of clean energy which will contribute to optimizing power structure, grid stability, and the economy.

So what or which Chinese loan have government failed to fulfill for China to be appeased with this deal? Everything will become Chinese now in Zambia, next time covid-19 arises in Zambia don't be shocked.

More loans still being accrued; surely are you telling us Zesco can not raise it's own funding? We will see more of these deals being signed as we approach 2021 as they will reduce the bill of Quantity to get the extra funding for campaigning. I have never seen such a reckless irresponsible President as Lazy Lungu; we are truly foreigners in Zambia.

Solar Plus storage solutions to give atleast a 24 hrs power supply before another sun, with a DER approach Refere also to the Solargis and see on the Zambian map which areas will yield maximum irradiation and an elevation Then what type of panels single or double.

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