

Does Sri Lanka have a power purchase agreement with USG?

Image: Terra-Gen /CPA. The government of Sri Lanka has entered into a power purchase agreement(PPA) with Australian firm United Solar Group (USG) for a major floating solar power (FPV) and storage project. The country's Minister of Power and Energy Kanchana Wijesekera announced the PPA on X,formerly known as Twitter,yesterday (12 December).

Where are floating solar projects located in Sri Lanka?

The first ever floating solar projects in Sri Lanka located in Kiriiban Wewa and Chandrika Wewa have been connected to the grid officially on a ceremony held on 27.11.2024. This signifies the addition of 2 MW generation capacity in the national grid.

Should Sri Lanka use water bodies for solar power generation?

With limited land availability for traditional solar installations,utilizing water bodies for solar power generation presents a smart and innovative solution. This strategy supports Sri Lanka's ambitious national goal of generating 70% of its electricity from renewable sources by 2030.

Can agrivoltaics improve food security and energy access in Sri Lanka?

Agrivoltaics offers a unique opportunity to address both energy security in a land constrained country like Sri Lanka and its agricultural challenges. This project will serve as a model for wider applications for achieving sustainable food security and energy access in the country.

Is Sri Lanka implementing a floating solar pilot project?

In a pioneering effort,Sri Lanka Sustainable Energy Authority is currently implementing two floating solar pilot projects,each with a capacity of 1 MW in Kiriibban Wewa in the Monaragala district and Chandrika Wewa in the Rathnapura district.

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Pumped hydroelectric storage facilities store potential energy in the form of water in an upper reservoir, pumped from another reservoir at a lower elevation and released for power generation, when the need arises.

Sri Lanka aims to raise its renewable energy share to 40% by 2030, necessitating Energy Storage Systems (ESS) for effective grid integration and balancing of diverse renewable sources.

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## Energy storage Sri Lanka

MW of power generation.

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