



# Sri Lanka Energy Storage Power Generation Project





## Overview

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The Maha Oya Pumped Storage Power Station is a 600 MW being developed in the Aranayaka and Nawalapitiya areas of Sri Lanka. Upon completion, it will be the country's first facility, and one of the largest in terms of nameplate capacity. The Maha Oya facility is designed to store excess renewable energy from solar and wind sources, thus creating supporting infrastructure for Sri Lanka's target of generating 70% of electricity from renewables by 2030.

Issuing a statement, the CEB said this groundbreaking 600 MW project will store excess renewable energy from solar and wind sources, ensuring grid stability and supporting Sri Lanka's goal of generating 70% of electricity from renewables by 2030.

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The Ceylon Electricity Board (CEB) has announced that it is making significant progress toward launching the Maha Oya Pumped Storage Hydropower Project, the country's first-ever "Water Battery." Issuing a statement, the CEB said this groundbreaking 600 MW project will store excess renewable energy.

The Maha Oya Pumped Storage Power Station is a 600 MW pumped-storage power station being developed in the Aranayaka and Nawalapitiya areas of Sri Lanka. Upon completion, it will be the country's first energy storage facility, and one of the largest power stations in Sri Lanka in terms of nameplate.

The Ceylon Electricity Board (CEB) is preparing to launch the Maha Oya Pumped Storage Hydropower Project, known as Pumped Storage Power Plants (PSPP), its first-ever 'Water Battery', located in Aranayake and Nawalapitiya. This groundbreaking 600 MW project will store surplus renewable energy from.

Sri Lanka's energy sector is entering a transformative phase with the planned construction of the Maha Oya Pumped-Storage Power Station — the country's first large-scale energy storage project. Dubbed the nation's "Water Battery," this 600 MW facility will play a pivotal role in achieving Sri Lanka's target of generating 70% of electricity from renewables by 2030.

The Ceylon Electricity Board (CEB) says that it is making significant progress toward launching the Maha Oya Pumped Storage Hydropower Project, Sri Lanka's first energy storage facility.

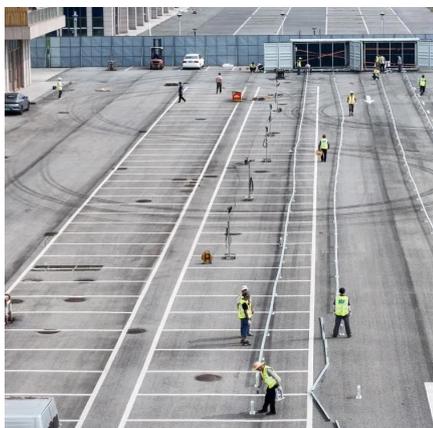


first-ever “Water Battery.” This groundbreaking 600 MW initiative will store excess renewable energy from solar and wind sources, ensuring grid.

Hydro is Sri Lanka’s main source of renewable generation today, but the government is seeking to encourage more solar PV and wind investment. Image: Ceylon Electricity Board. The Asian Development Bank (ADB) multilateral finance institution has approved a loan to upgrade Sri Lanka’s grid.



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### Sri Lanka's first "Water Battery": CEB advances Maha Oya Pumped Storage

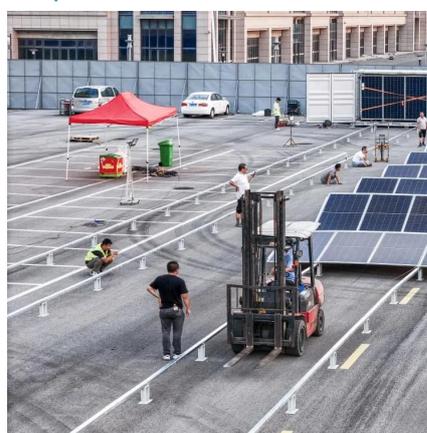
This groundbreaking 600 MW initiative will store excess renewable energy from solar and wind sources, ensuring grid stability and supporting Sri Lanka's goal of generating ...

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### [Maha Oya Pumped Storage Project Set for Launch ...](#)

The Ceylon Electricity Board (CEB) is preparing to launch the Maha Oya Pumped Storage Hydropower Project, known as Pumped ...

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### [CEB advances Sri Lanka's first 'Water Battery' project](#)

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### [Sri-Lanka's first grid-scale battery storage project](#)

ADB said yesterday (25 November) that the US\$200 million loan will fund the Power System Strengthening and Renewable Energy Integration Project, which includes the ...



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### **\$ 1 b pumped storage project: International funding yet to be ...**

The planned pumped storage is expected to store around 600 MW of energy. Located in Aranayake and Nawalapitiya, the project will store excess Renewable Energy (RE) ...

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### **Sri Lanka's First "Water Battery": Maha Oya Pumpd-Storage ...**

This landmark project is designed to store excess solar and wind energy during off-peak hours and release it during peak demand, ensuring a stable, reliable, and sustainable ...

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### [Sri Lanka's first "Water Battery": CEB](#)



## [advances ...](#)

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## [CEB advances Maha Oya Pumped Storage hydropower project](#)

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## [Launch](#)

The Ceylon Electricity Board (CEB) is preparing to launch the Maha Oya Pumped Storage Hydropower Project, known as Pumped Storage Power Plants (PSPP), its first-ever ...

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## [Maha Oya Pumped Storage Power Station](#)

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## Sri Lanka's First "Water Battery": A New Era of Clean Energy or

This 600-megawatt initiative, spearheaded by the Ceylon Electricity Board (CEB), will store surplus energy from solar and wind power, ensuring a stable and reliable electricity ...

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## Sri Lanka launches tender for 640 MWh of battery storage, via ...

Sri Lanka's state-owned utility, the Ceylon Electricity Board (CEB), has issued a Request for Proposals (RFP) for the development of 160 MW/640 MWh of standalone battery ...

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<https://www.energyinnovationday.pl>

Phone: +48 22 335 1273

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