

Green Loan



Allocation and Impact Report 2023

Sermsang Power Corporation Public Company Limited (SSP) is poised to become a leading sustainable power producer in Asia, with a clear vision and commitment to renewable energy. Driven by this ambition, SSP actively invests in and develops diverse greenfield renewable power projects across Thailand, Vietnam, Indonesia, Mongolia and Japan. As of December 31, 2023, SSP boasts a total PPA of 245 equity megawatts, laying a strong foundation for future growth and expansion. Beyond generation, SSP fosters community engagement by promoting renewable energy awareness, supporting job creation, and collaborating on environmental protection initiatives. This multi-pronged approach positions SSP as a key player in the region's burgeoning renewable energy landscape, well on its way to achieving its leadership aspirations.





VISION

**TO BE A LEADING ASIAN POWER PRODUCER
IN PROVIDING SUSTAINABLE ENERGY SOLUTION**

with a full commitment to support clean environment
and in the best interest of the society.

MISSION

**ENABLE PEOPLE AND BUSINESSES
TO HELP DEVELOP THE SUSTAINABLE FUTURE**

by harnessing our expertise in selecting optimized technologies and
building dynamic resources that will efficiently and effectively deliver the
sustainable energy solution worldwide

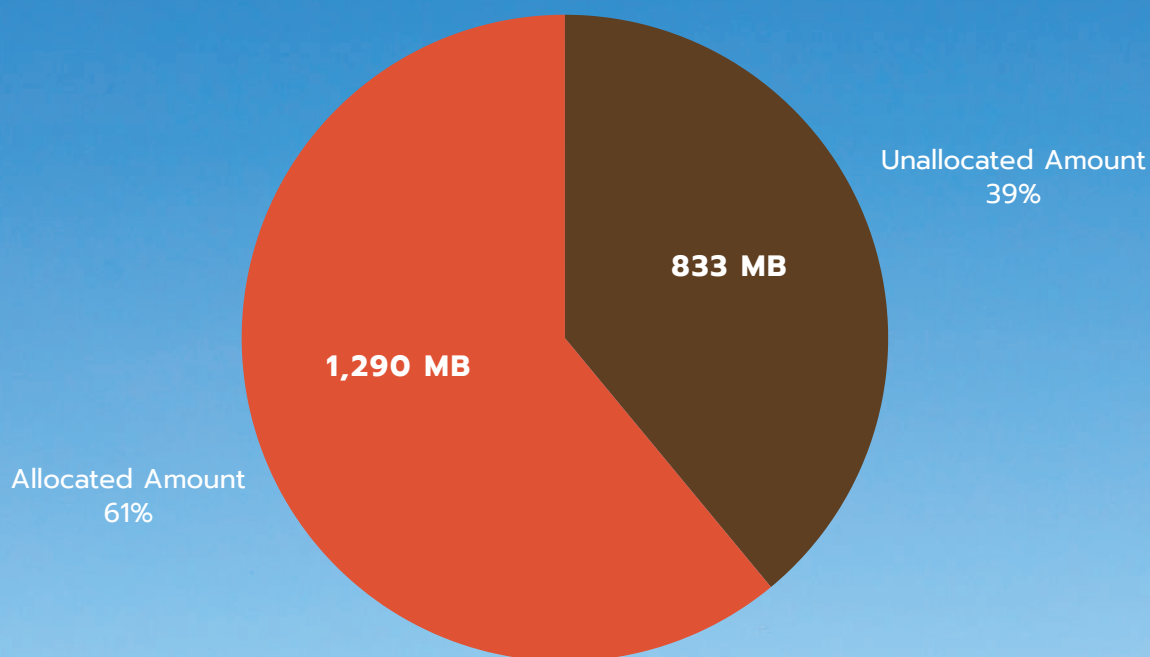
STRATEGY

**ACHIEVING ASSET GROWTH OF
OVER 30,000 MILLION BAHT BY 2028.**

Invest in and develop renewable energy power production projects in Thailand and other Asian nations, utilizing a range of energy sources such as solar, wind, biogas, and biomass. The objective is to expand investment and develop renewable energy projects from various sources with the goal of achieving asset growth of over 30,000 million baht by 2028.

Allocation

As of December 31, 2023, the Company had green financing facility of 2,123 million baht with the objective of green power plant investment in Asia. The Company deployed 61 % or 1,290 million baht from green loan facility of 2,123 million baht. This allocation has been directed to both refinancing existing eligible green projects and financing new green project investments.



Total
61%
1,290 MB

PROJECTS

PORTIONS

GREEN LOAN

SPN	21.32%	469 MB
LEO	15.59%	343 MB
Yamaka	9.82%	216 MB
Zouen	4.73%	104 MB
Winchai	4.53%	100 MB
WVO	2.64%	58 MB



SPN Solar Power Plant

Location : Lopburi, Thailand

COD : February 2015

SSP Stake : 100%

Installed Capacity : 52.0 MW

Net Electric Power p.a. : 82,459 MWh

Emission Reduction p.a. : 49,359 tCO₂e

LEO Solar Power Plant

Location : Shizuoka, Japan

COD : July 2021

SSP Stake : 100%

Installed Capacity : 26.0 MW

Net Electric Power p.a. : 34,887 MWh

Emission Reduction p.a. : 20,883 tCO₂e

Yamaka Solar Power Plant

Location : Kumamoto, Japan

COD : May 2020

SSP Stake : 90%

Installed Capacity : 34.5 MW

Net Electric Power p.a. : 36,852 MWh

Emission Reduction p.a. : 22,059 tCO₂e

Zouen Solar Power Plant

Location : Kumamoto, Japan

COD : August 2018

SSP Stake : 100%

Installed Capacity : 8.0 MW

Net Electric Power p.a. : 7,954 MWh

Emission Reduction p.a. : 4,761 tCO₂e



WVO Solar Power Plant

Location : Ratchaburi, Thailand

COD : November 2018

SSP Stake : 100%

Installed Capacity : 5.0 MW

Net Electric Power p.a. : 7,433 MWh

Emission Reduction p.a. : 4,449 tCO₂e

WinChai Wind Power Plant

Location : , Thailand

COD : February 2015

SSP Stake : 25%

Installed Capacity : 45 MW

Net Electric Power p.a. : N/A MWh

Emission Reduction p.a. : N/A tCO₂e