



ALLOCATION AND IMPACT REPORT 2024



**POWERING
A BETTER FUTURE**
WITH RENEWABLE ENERGY IN ASIA

Serm Sang Power Corporation Public Company Limited (SSP) is powering a better future as a leading sustainable power producer in Asia, driven by a clear vision and commitment to renewable energy.

With a strong focus on growth, SSP actively invests in and develops diverse greenfield renewable power projects across Thailand, Vietnam, Indonesia, Mongolia, and Japan.

As of December 31, 2024, SSP holds a total PPA of 285 equity megawatts, establishing a solid foundation for continued expansion. Beyond power generation, SSP is dedicated to fostering community engagement by raising awareness of renewable energy, supporting job creation, and collaborating on environmental protection initiatives.

Through this multi-faceted approach, SSP is not only shaping the future of renewable energy in the region but also reinforcing its role in powering a better, more sustainable world.



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, 2024, the Company had green financing facility of 2,123 million baht with the objective of green power plant investment in Asia. The Company deployed 100 % or 2,123 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.



2,123 MB

Allocated Amount
100%



POWERING
A BETTER FUTURE
WITH RENEWABLE ENERGY IN ASIA

**Total
100%
2,123 MB**

PROJECTS	PORTIONS	GREEN LOAN	STATUS
SPN	22.09%	469 MB	Operated
LEO 1	16.16%	343 MB	Operated
Yamaka	10.18%	216 MB	Operated
Zouen	4.90%	104 MB	Operated
Winchai	32.21%	684 MB	Operated
WVO	2.73%	58 MB	Operated
NKH1	2.59%	55 MB	Under Development
SKN3	5.09%	108 MB	Under Development
RCB1	4.05%	86 MB	Under Development



SPN Solar Farm Project

Location : Lopburi, Thailand
COD : February 2015
SSP Stake : 100%
Installed Capacity : 52.0 MW
Net Electric Power p.a. : 69,862 MWh
Avoided Emissions : 36,667 tCO₂e

Yamaka Solar Farm Project

Location : Kumamoto, Japan
COD : May 2020
SSP Stake : 90%
Installed Capacity : 34.5 MW
Net Electric Power p.a. : 36,860 MWh
Avoided Emissions : 18,135 tCO₂e

WVO Solar Farm Project

Location : Ratchaburi, Thailand
COD : November 2018
SSP Stake : 100%
Installed Capacity : 5.0 MW
Net Electric Power p.a. : 7,469 MWh
Avoided Emissions : 3,992 tCO₂e

LEO 1 Solar Farm Project

Location : Shizuoka, Japan
COD : July 2021
SSP Stake : 100%
Installed Capacity : 26.0 MW
Net Electric Power p.a. : 32,922 MWh
Avoided Emissions : 15,968 tCO₂e

Zouen Solar Farm Project

Location : Kumamoto, Japan
COD : August 2018
SSP Stake : 100%
Installed Capacity : 8.0 MW
Net Electric Power p.a. : 7,773 MWh
Avoided Emissions : 3,664 tCO₂e

Winchai Wind Farm Project

Location : , Thailand
COD : February 2015
SSP Stake : 100%
Installed Capacity : 45 MW
Net Electric Power p.a. : 103,909 MWh
Avoided Emissions : 71,585 tCO₂e



NKH1 Solar Farm Project

Location : Nong Khai, Thailand

COD : 4Q27

SSP Stake : 100%

Installed Capacity : 33.1 MW

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

Avoided Emissions : 0 tCO₂e

SKN3 Solar Farm Project

Location : Sakon Nakhon, Thailand

COD : 4Q27

SSP Stake : 100%

Installed Capacity : 68.2 MW

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

Avoided Emissions : 0 tCO₂e

RCB1 Solar Farm Project

Location : Ratchaburi, Thailand

COD : 4Q27

SSP Stake : 100%

Installed Capacity : 50.2 MW

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

Avoided Emissions : 0 tCO₂e

Referencing:

- Thailand : the Emission Factor for the year 2021, officially announced on September 27, 2023, by the Thailand Greenhouse Gas Management Organization (Public Organization)
- Japan : Emission factor (EF) is from the Harmonized IFI Default Grid Factors 2021 v3.2