



Annual Registration Statement / Annual Report

Form 56-1 One Report

(Structured Data Report)

THAI SOLAR ENERGY PUBLIC COMPANY LIMITED

Fiscal Year End 31 December 2023



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Group Structure and Operations

Group Structure and Operations

Business Overview and Policies (1.1)

Company Information (1.1.5)

Company Name : THAI SOLAR ENERGY PUBLIC COMPANY LIMITED

Symbol : TSE

Address : No. 725 S-Metro, 19th Floor, Sukhumvit Road, Klongton Nua,
Wattana

Province : Bangkok

Postcode : 10110

Business : The Company operates in the business of production and
distribution of electricity from solar and other renewable
energy. It can be divided into 2 types which are Solar PV power
plants and Biomass power plants

Registration Number : 0107557000055

Telephone : 0-2258-4530-3

Fax (if applicable) : 0-2258-4534

Website : <http://www.thaisolarenergy.com>

Email : Corporatesec@thaisolarenergy.com

Total Shares Sold (shares)

Common Stock : 2,117,716,281

Preferred Stock : 0

Business Operations (1.2)

Revenue Structure (1.2.1)

By Product Line or Business Grouping

	2021	2022	2023
Total revenue from operations (Thousand baht)	1,474,750.86	1,259,334.75	1,728,344.62
Sales of electricity income - domestic (Thousand baht)	1,189,370.36	1,244,199.91	1,197,114.19
Sales of electricity income - overseas (Thousand baht)	285,380.50	15,134.84	531,230.43
Management service fee income (Thousand baht)	49,327.08	55,258.43	63,411.01

	2021	2022	2023
Total revenue from operations (%)	100.00	100.00	100.00
Sales of electricity income - domestic (%)	80.65	98.80	69.26
Sales of electricity income - overseas (%)	19.35	1.20	30.74
Management service fee income (%)	3.34	4.39	3.67

By Geographical Area or Market

	2021	2022	2023
Total revenue from operations (Thousand baht)	1,474,750.86	1,259,334.75	1,728,344.62
Domestic (Thousand baht)	1,189,370.36	1,244,199.91	1,197,114.19
International (Thousand baht)	285,380.50	15,134.84	531,230.43
Japan (Thousand baht)	285,380.50	15,134.84	531,230.43

	2021	2022	2023
Total revenue from operations (%)	100.00	100.00	100.00
Domestic (%)	80.65	98.80	69.26

International (%)	19.35	1.20	30.74
Japan (%)	100.00	100.00	100.00

Other income as specified in the financial statements

	2021	2022	2023
Total other income (Thousand baht)	174,733.71	277,045.44	14,958.21
Other income from operations (Thousand baht)	9,871.56	11,778.93	14,958.21
Other income not from operations (Thousand baht)	164,862.15	265,266.51	0.00

Share of profit of joint ventures and associates accounted for using equity method

	2021	2022	2023
Share of profit (Thousand baht)	642,919.20	647,702.37	623,120.90

Information on Products and Services (1.2.2)

Product/Service Information and Business Innovation Development (1.2.2.1)

Research and Development (R&D) Policy : No

(Unit : Thousand baht)	2021	2022	2023
R&D expenses in the past 3 years	N/A	N/A	N/A

Risk Management

Risk Management

Risk Factors (2.2)

Risk that might affect the company's business, including environmental, social and corporate governance issues (2.2.1)

1.Business Risks of the Company and the Group

Risk Management Measures: Yes

Related Risk Topics

Strategic Risk

- Government policy
- Other

Operational Risk

- Reliance on employees in key positions
- Shortage or reliance on skilled workers
- Human error in business operations
- Safety, occupational health, and working environment

Financial Risk

- Fluctuation in exchange rates, interest rates, or the inflation rate
- Other

2. Operational risk

Risk Management Measures: Yes

Related Risk Topics

Operational Risk

- Reliance on employees in key positions
- Shortage or reliance on skilled workers

- Human error in business operations
- Safety, occupational health, and working environment

3. Investment risk imposed on the securities holders

Risk Management Measures: Yes

Related Risk Topics

Financial Risk

- Other

Sustainable Development

Sustainable Development

Sustainability Management Policy and Targets (3.1)

Sustainability Management Policy and Targets

Corporate Sustainability Policy : No

Environmental Aspect (3.3)

Policy and Guideline on Environmental Aspect (3.3.1)

Environmental Policy and Practice : Yes

Company environmental guideline : Electricity Management, Water Management, Waste Management

Results with Respect to the Environmental Aspect (3.3.2)

Energy management

- Electricity consumption

	2021	2022	2023
Total electricity consumption within the organization (Kilowatt-Hours)	44,014.00	49,866.00	55,962.00

Water management

- Water consumption

	2021	2022	2023
Total water withdrawal (Cubic meters)	43.00	52.00	57.00

Waste management

- Waste from operations

	2021	2022	2023
Non-hazardous waste (Kilograms)	3,089.05	20,341.76	2,160.00
Hazardous waste (Kilograms)	31,063.42	33,592.44	29,450.00
Total waste generated (Kilograms)	34,152.47	53,934.20	31,610.00

Greenhouse gas management

• Greenhouse gas emissions

	2021	2022	2023
Total GHG emissions target (Metric tonnes of carbon dioxide equivalent)	N/A	N/A	N/A
Scope 1 (Tons of carbon dioxide equivalents)	N/A	N/A	N/A
Scope 2 (Tons of carbon dioxide equivalents)	N/A	N/A	N/A
Scope 3 (Tons of carbon dioxide equivalents)	N/A	N/A	N/A
Total GHG emissions (Metric tonnes of carbon dioxide equivalent)	0.00	0.00	0.00

• Verification of greenhouse gas emissions over the past year

Third-party verification : No

Social Aspect (3.4)

Policy and Guideline on Social Aspect (3.4.1)

Human Rights Policy and Practice : Yes

Company human right guideline : Employee Rights, Community and Environment Rights, Safety and Occupational Health at Work, Non-discrimination

Results with Respect to the Social Aspect (3.4.2)

Information about employees

• Total number of employees

	2021	2022	2023
Number of male employees (Persons)	182	208	194
Number of female employees (Persons)	84	97	92
Total number of employees (Persons)	266	305	286

• Employee remuneration

	2021	2022	2023
Employee remuneration (baht)	122,571,452.00	130,063,984.00	142,782,426.00

• Employee development and training

	2021	2022	2023
Average employee training hours (Hours / Person / Year)	4.00	10.00	14.00
Employee development and training expenses (baht)	307,604.00	979,044.00	1,288,604.00

• Health, safety and work environment

	2021	2022	2023
Total number of lost time injury incidents by employees (Cases)	0	0	0

• **Employee retention**

	2021	2022	2023
Percentage of employees who voluntarily resigned (%)	5.26	7.54	6.99

• **Significant labor dispute**

	2021	2022	2023
Significant labor dispute	No	No	No

Corporate Governance Policy

Corporate Governance Policy

Overview of the Corporate Governance Policy and Guideline (6.1)

Corporate Governance Policy

Corporate Governance Policy : Yes

Policy and Guideline Related to the Board of Directors (6.1.1)

Policy and guideline related to the board of directors

Company policy and guideline : Nomination of Directors, Compensation, Independence of the Board of Directors, Director Development, Board Performance Evaluation, Corporate Governance of Subsidiaries and Associated Companies

Code of Conduct (6.2)

Establishing a Code of Conduct

Establishing a Code of Conduct

Code of Conduct : Yes

Policy and Guideline related to the Code of Conduct

Company policy and guideline : Preventing of Conflicts of Interest, Preventing the Misuse of Inside Information, Anti-corruption, Whistleblowing

**Corporate Governance Structure
and Significant Information Regarding
the Board of Directors, Subcommittees,
Management,
Employee and Other Information**

Corporate Governance Structure and Significant Information Regarding the Board of Directors, Subcommittees, Management, Employee and Other Information

Board of Directors (7.2)

Composition of the board of directors (7.2.1)

	Number of persons	Percentage (%)
Total number of directors	6	100.00
Number of male directors	4	66.67
Number of female directors	2	33.33
Number of executive directors	2	33.33
Number of non-executive directors	4	66.67
Number of independent directors	3	50.00

Information on the board of directors and persons with authority to control the company (7.2.2)

List of directors

General information	Position	Date position was assumed	Experience and expertise
1. Ms. Cathleen Maleenont Gender: Female Age: 52 years old Highest level of education: Doctoral degree Major: Management Thai nationality: Yes Residing in Thailand: Yes	Chairman of the board (Executive) Director type: Re-elected as director	18 Feb 2014	Finance, Accounting, Energy & Utilities, Media & Publishing, Economics, Commerce, Business Administration, Law

2.	<p>Mr. Prasert Patradhilok</p> <p>Gender: Male</p> <p>Age: 66 years old</p> <p>Highest level of education: Master's degree</p> <p>Major: Finance</p> <p>Thai nationality: Yes</p> <p>Residing in Thailand: Yes</p>	<p>Director</p> <p>(Non-executive, Independent director)</p> <p>Director type: Re-elected as director</p>	26 Feb 2021	Banking, Energy & Utilities, Finance, Accounting, Business Administration, Economics
3.	<p>Mr. Praphan Subsang</p> <p>Gender: Male</p> <p>Age: 76 years old</p> <p>Highest level of education: Honorary degree</p> <p>Major: Law</p> <p>Thai nationality: Yes</p> <p>Residing in Thailand: Yes</p>	<p>Director</p> <p>(Non-executive, Independent director)</p> <p>Director type: Original director</p>	7 Apr 2021	Law, Energy & Utilities, Business Administration
4.	<p>Mr. Aran Apichari</p> <p>Gender: Male</p> <p>Age: 66 years old</p> <p>Highest level of education: Master's degree</p> <p>Major: Public Administration</p> <p>Thai nationality: Yes</p> <p>Residing in Thailand: Yes</p>	<p>Director</p> <p>(Non-executive, Independent director)</p> <p>Director type: Original director</p>	22 Apr 2019	Transportation & Logistics, Media & Publishing, Energy & Utilities, Business Administration, Commerce, Law
5.	<p>Ms. Angkanee Rerksirisuk</p> <p>Gender: Female</p> <p>Age: 51 years old</p> <p>Highest level of education: Master's degree</p> <p>Major: Accounting</p> <p>Thai nationality: Yes</p> <p>Residing in Thailand: Yes</p>	<p>Director</p> <p>(Executive)</p> <p>Director type: Original director</p>	23 May 2017	Energy & Utilities, Accounting, Finance, Business Administration, Commerce, Media & Publishing, Economics

6.	Mr. Masthawin Charnvirakul Gender: Male Age: 52 years old Highest level of education: Master's degree Major: Business Administration Thai nationality: Yes Residing in Thailand: Yes	Director (Non-executive) Director type: Re-elected as director	27 Feb 2019	Construction Services, Energy & Utilities, Accounting, Business Administration, Economics, Commerce, Finance
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List of directors who resigned/vacated their position during the year

General information	Position	Tenure	Replacement Director
1. Mr. Somphop Prompanapitak Gender: Male Age: 56 years old Highest level of education: Master's degree Major: Business Administration Thai nationality: Yes Residing in Thailand: Yes	Director (Executive)	Date position was assumed: 18 Feb 2014 Date directorship ended: 29 Dec 2023	No replacement director
2. Mr. Prommin Lertsuridej Gender: Male Age: 69 years old Highest level of education: Bachelor's degree Major: Medicine Thai nationality: Yes Residing in Thailand: Yes	Vice Chairman (Non-executive, Independent director)	Date position was assumed: 18 Feb 2014 Date directorship ended: 1 Mar 2023	No replacement director
3. Mr. Pala Sookawesh Gender: Male Age: 83 years old Highest level of education: Honorary degree Major: Engineering Thai nationality: Yes Residing in Thailand: Yes	Director (Non-executive, Independent director)	Date position was assumed: 18 Mar 2014 Date directorship ended: 1 Mar 2023	No replacement director

Other Information pertaining to committees

The Chairman is an independent director : No

The Chairman and the manager are the same person : Yes

The Chairman and the manager are members of the same family : No

The company appoints at least one independent director to determine the agenda of the Board of Directors' meetings : No

Sub-committees (7.3)

Information about sub-committees (7.3.2)

Audit Committee

List of audit committee members

General information	Position	Date position was assumed	Experience and expertise
1. Mr. Prasert Patradhilok [1] Gender: Male Age: 66 years old Highest level of education: Master's degree Major: Finance Thai nationality: Yes Residing in Thailand: Yes	Chairman of the audit committee (Non-executive, Independent director) Director type: Re-elected as director	26 Feb 2021	Banking, Energy & Utilities, Finance, Accounting, Business Administration, Economics
2. Mr. Praphan Subsang [1] Gender: Male Age: 76 years old Highest level of education: Honorary degree Major: Law Thai nationality: Yes Residing in Thailand: Yes	Audit committee (Non-executive, Independent director) Director type: Original director	7 Apr 2021	Law, Energy & Utilities, Business Administration

3.	Mr. Aran Apichari [1] Gender: Male Age: 66 years old Highest level of education: Master's degree Major: Public Administration Thai nationality: Yes Residing in Thailand: Yes	Audit committee (Non-executive, Independent director) Director type: Newly appointed director to replace ex-director	24 May 2023	Transportation & Logistics, Media & Publishing, Energy & Utilities, Business Administration, Commerce, Law
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[1] A director with the accounting expertise needed to review financial statements

List of audit committee who resigned/vacated their position during the year

General information	Position	Tenure	Replacement Director
1. Mr. Pala Sookawesh [1] Gender: Male Age: 83 years old Highest level of education: Honorary degree Major: Engineering Thai nationality: Yes Residing in Thailand: Yes	Audit committee (Non-executive, Independent director)	Date position was assumed: 22 Apr 2019 Date directorship ended: 1 Mar 2023	Mr. Aran Apichari Date position was assumed: 24 May 2023

[1] A director with the accounting expertise needed to review financial statements

Executive Committee

List of executive committee members

General information	Position	Date position was assumed
1. Ms. Cathleen Maleenont Gender: Female Age: 52 years old Highest level of education: Doctoral degree Major: Management Thai nationality: Yes Residing in Thailand: Yes	Chairman of the executive committee	18 Feb 2014

2.	Mr. Kitiphong Thunnom Gender: Male Age: 55 years old Highest level of education: Master's degree Major: Business Administration Thai nationality: Yes Residing in Thailand: Yes	Member of the executive committee	14 Nov 2017
3.	Ms. Angkanee Rerksirisuk Gender: Female Age: 51 years old Highest level of education: Master's degree Major: Accounting Thai nationality: Yes Residing in Thailand: Yes	Member of the executive committee	24 Feb 2023

List of executive committee members who resigned/vacated their position during the year

General information	Position	Tenure	Replacement Director
1. Mr. Somphop Prompanapitak Gender: Male Age: 56 years old Highest level of education: Master's degree Major: Business Administration Thai nationality: Yes Residing in Thailand: Yes	Member of the executive committee	Date position was assumed: 18 Feb 2014 Date directorship ended: 29 Dec 2023	No replacement director

Other sub-committees

Sub-committees information

Name of sub-committees	List of directors	Position
The Nomination and Remuneration Committee	Mr. Prasert Patradhilok Ms. Cathleen Maleenont Mr. Somphop Prompanapitak	Chairman Member Member

Roles of Sub-committees

Sub-committees responsible for risk management	: None
Sub-committees responsible for nomination	: The Nomination and Remuneration Committee
Sub-committees responsible for remuneration	: The Nomination and Remuneration Committee
Sub-committees responsible for corporate governance	: None
Sub-committees responsible for corporate sustainability development	: None

Executives (7.4)

List and positions of the executive (7.4.1)

The four highest-ranking executives

General information	Position	Date position was assumed	Experience and expertise
1. Ms. Cathleen Maleenont Gender: Female Age: 52 years old Highest level of education: Doctoral degree Major: Management	Chief Executive Officer	18 Feb 2014	Finance, Accounting, Energy & Utilities, Media & Publishing, Economics, Commerce, Business Administration, Law
2. Mr. Somphop Prompanapitak Gender: Male Age: 56 years old Highest level of education: Master's degree Major: Business Administration	Chief Operating Officer	18 Feb 2014	Economics, Energy & Utilities, Accounting, Finance, Business Administration, Commerce, Law, Media & Publishing, Banking
3. Mr. Kitiphong Thunnom Gender: Male Age: 55 years old Highest level of education: Master's degree Major: Business Administration	Chief Technical Officer	1 Aug 2017	Energy & Utilities, Business Administration, Economics, Paper & Printing Materials, Commerce, Accounting
4. Ms. Angkanee Rerksirisuk [1] Gender: Female Age: 51 years old Highest level of education: Master's degree Major: Accounting	Chief Financial Officer	9 Jan 2023	Energy & Utilities, Accounting, Finance, Business Administration, Commerce, Media & Publishing, Economics
5. Mr. Nivej Boonwichai Gender: Male Age: 55 years old Highest level of education: Bachelor's degree Major: Engineering	Vice President Engineering and Construction - PV Power Plant & Special Project	16 Feb 2015	Business Administration, Engineering, Commerce, Automotive, Energy & Utilities

6.	Ms. Nottaporn Thiengprathes Gender: Female Age: 57 years old Highest level of education: Bachelor's degree Major: Business Administration	Vice President – Supporting Office	1 Apr 2023	Business Administration, Economics, Energy & Utilities, Commerce, Media & Publishing, Law
7.	Mr. Thanatis Thaninkulnipat Gender: Male Age: 42 years old Highest level of education: Master's degree Major: Finance	Vice President – Finance & Strategic Planning	1 Apr 2023	Business Administration, Economics, Banking, Energy & Utilities, Commerce, Accounting, Finance, Engineering

[1] Highest responsibility in accounting and finance

[2] Directly responsible for financial account supervision

Remuneration policy for executives (7.4.2 – 7.4.3)

Remuneration policy for executives

Remuneration policy for executives : No

Remuneration

	2021	2022	2023
Total executive remuneration (baht)	25.05	25.73	35.70

Other forms of remuneration

Employee Stock Ownership Plan (ESOP) : No

Employee Joint Investment Program (EJIP) : No

Employees (7.5)

Information about company employees

Employees

Number of male employees (persons)	: 194
Number of female employees (persons)	: 92
Total number of employees (persons)	: 286

Employee Remuneration

Total employee remuneration	: 142,782,426.00
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Provident fund

Total number of employees (persons)	: 286
Number of employees contributing to the PVD (persons)	: 213
Percentage of employees who are members (%)	: 74.48

Performance Report on Corporate Governance

Performance Report on Corporate Governance

Summary of Director Performance (8.1)

Selection, development, and evaluation of duty performance of the Board of Directors (8.1.1)

List of new directors appointed in the past year

• List of continuing directors (full term of directorship and being re-appointed as a director)

General information	Position	Date position was assumed	Experience and expertise
1. Ms. Cathleen Maleenont Gender: Female Age: 52 years old Highest level of education: Doctoral degree Major: Management Thai nationality: Yes Residing in Thailand: Yes	Chairman of the board (Executive) Director type: Re-elected as director	Date position was assumed: 18 Feb 2014	Finance, Accounting, Energy & Utilities, Media & Publishing, Economics, Commerce, Business Administration, Law
2. Mr. Prasert Patradhilok Gender: Male Age: 66 years old Highest level of education: Master's degree Major: Finance Thai nationality: Yes Residing in Thailand: Yes	Director (Non-executive, Independent director) Director type: Re-elected as director	Date position was assumed: 26 Feb 2021	Banking, Energy & Utilities, Finance, Accounting, Business Administration, Economics
3. Mr. Masthawin Charnvirakul Gender: Male Age: 52 years old Highest level of education: Master's degree Major: Business Administration Thai nationality: Yes Residing in Thailand: Yes	Director (Non-executive) Director type: Re-elected as director	Date position was assumed: 27 Feb 2019	Construction Services, Energy & Utilities, Accounting, Business Administration, Economics, Commerce, Finance

Meeting attendance and remuneration to each Board member (8.1.2)

Meeting attendance of the board of directors

Number of board meetings (times) : 7

Date of AGM meeting : 25 Apr 2023

EGM meeting : No

	List of directors	Termination date	Number of Board Meeting	AGM meetings	EGM meetings
1.	Ms. Cathleen Maleenont (Chairman of the board)	-	7/7	Participating	Did not hold the meeting
2.	Mr. Prasert Patradhilok (Director)	-	7/7	Participating	Did not hold the meeting
3.	Mr. Praphan Subsang (Director)	-	7/7	Participating	Did not hold the meeting
4.	Mr. Aran Apichari (Director)	-	7/7	Participating	Did not hold the meeting
5.	Ms. Angkanee Rerksirisuk (Director)	-	7/7	Participating	Did not hold the meeting
6.	Mr. Masthawin Charnvirakul (Director)	-	7/7	Participating	Did not hold the meeting
7.	Mr. Somphop Prompanapitak (Director)	29 Dec 2023	7/7	Participating	Did not hold the meeting
8.	Mr. Prommin Lertsuridej (Vice Chairman)	1 Mar 2023	5/5	Participating	Did not hold the meeting
9.	Mr. Pala Sookawesh (Director)	1 Mar 2023	5/5	Participating	Did not hold the meeting

Remuneration for company directors

	List of directors	Termination date	Meeting allowance (baht)	Other monetary remuneration (baht)	Other non-monetary
1.	Ms. Cathleen Maleenont (Chairman of the board)	-	275,000.00	420,000.00	No

2.	Mr. Prasert Patradhilok (Director)	-	280,000.00	540,000.00	No
3.	Mr. Praphan Subsang (Director)	-	220,000.00	480,000.00	No
4.	Mr. Aran Apichari (Director)	-	180,000.00	380,000.00	No
5.	Ms. Angkanee Rerksirisuk (Director)	-	140,000.00	240,000.00	No
6.	Mr. Masthawin Charnvirakul (Director)	-	140,000.00	240,000.00	No
7.	Mr. Somphop Prompanapitak (Director)	29 Dec 2023	170,000.00	240,000.00	No
8.	Mr. Prommin Lertsuridej (Vice Chairman)	1 Mar 2023	55,000.00	60,000.00	No
9.	Mr. Pala Sookawesh (Director)	1 Mar 2023	40,000.00	80,000.00	No

Report on the Audit Committee's Performance for the Past Year (8.2)

Report on the audit committee's performance for the past year

Meeting attendance of audit committee

Number of Audit committee meetings (times) : 4

	List of directors	Termination date	Number of the audit committee meeting
1.	Mr. Prasert Patradhilok (Chairman of the audit committee)	-	4/4
2.	Mr. Praphan Subsang (Audit committee)	-	4/4
3.	Mr. Aran Apichari (Audit committee)	-	2/2
4.	Mr. Pala Sookawesh (Audit committee)	1 Mar 2023	2/2