56-1 One Report (Financial Report)





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## Report of Board of Directors' Responsibilities for the Financial Reporting

#### To Shareholders,

002

The Board of Directors is responsible for the consolidated financial statements of PTT Public Company Limited and its subsidiaries and the separate financial statements of PTT Public Company Limited. The aforementioned financial statements are prepared in accordance with Thai Financial Reporting Standards. The financial statements are prepared under appropriated accounting policies and applied consistently by using careful judgment and the best estimation. Important information is adequately and transparently disclosed in the notes to financial statements for the company's shareholders and investors.

The Board of Directors provides good corporate governance and maintains the risk management system and internal controls to ensure that accounting records are accurate, reliable, free from material misstatement, timely and adequate to protect the company's assets as well as to prevent fraud and significant irregular operations.

The Board of Directors has appointed an Audit Committee comprising independent directors to be responsible for reviewing the reliability and correctness of financial reports, evaluating the effectiveness and efficiency of internal control process and governing the effectiveness of internal audit function. The audit committee's comments on these issues are presented in the audit committee report included in this annual report.

The Board of Directors considers that the internal control system and the internal audit of the company provide credibility and reliability to the consolidated financial statements of PTT Public Company Limited and its subsidiaries and the separate financial statements of PTT Public Company Limited for the year ended December 31, 2024. The Board of Directors also believes that the financial position, financial results, and cash flows, audited by the independent auditors (EY Office Limited), are fairly and accurately presented in all material respects with Thai Financial Reporting Standards. The auditors' opinion is presented in the auditors' report as part of this annual report.

Rotomi strant

Mr.Chatchai Phromlert Chairman

Dr. Kongkrapan Intarajang CEO & President



003

### Independent Auditor's Report

#### To the Shareholders of PTT Public Company Limited

#### Opinion

I have audited the accompanying consolidated financial statements of PTT Public Company Limited and its subsidiaries (the Group), which comprise the consolidated statement of financial position as at 31 December 2024, and the related consolidated statements of income, comprehensive income, changes in shareholders' equity and cash flows for the year then ended, and notes to the consolidated financial statements, including material accounting policy information, and have also audited the separate financial statements of PTT Public Company Limited for the same period (collectively "the financial statements").

In my opinion, the financial statements referred to above present fairly, in all material respects, the financial position of PTT Public Company Limited and its subsidiaries and of PTT Public Company Limited as at 31 December 2024, their financial performance and cash flows for the year then ended in accordance with Thai Financial Reporting Standards.

#### **Basis for Opinion**

I conducted my audit in accordance with the State Audit Standards and Thai Standards on Auditing. My responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of my report. I am independent of the Company and its subsidiaries in accordance with the *State Audit Standards* issued by the State Audit Commission and the *Code of Ethics for Professional Accountants including Independence Standards* issued by the Federation of Accounting Professions (Code of Ethics for Professional Accountants) that are relevant to my audit of the financial statements, and I have fulfilled my other ethical responsibilities in accordance with the State Audit Standards and the Code of Ethics for Professional Accountance with the State Audit Standards and the Code of Ethics for Professional Accountants including independence of the financial statements, and I have fulfilled my other ethical responsibilities in accordance with the State Audit Standards and the Code of Ethics for Professional Accountance with the State Audit Standards and the Code of Ethics for Professional Accountance with the State Audit Standards and the Code of Ethics for Professional Accountance with the State Audit Standards and the Code of Ethics for Professional Accountance with the State Audit Standards and the Code of Ethics for Professional Accountance is sufficient and appropriate to provide a basis for my opinion.

#### **Key Audit Matters**

Key audit matters are those matters that, in my professional judgement, were of most significance in my audit of the financial statements of the current period. These matters were addressed in the context of my audit of the financial statements as a whole, and in forming my opinion thereon, and I do not provide a separate opinion on these matters.

I have fulfilled the responsibilities described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of my report, including in relation to these matters. Accordingly, my audit included the performance of procedures designed to respond to my assessment of the risks of material misstatement of the financial statements. The results of my audit procedures, including the procedures performed to address the matters below, provide the basis for my audit opinion on the accompanying financial statements as a whole. Key audit matters and how audit procedures respond to each matter are described below.

#### Use of accounting judgments and estimates during oil price volatility caused by the global energy crisis

The economic fluctuations in 2024 had a substantial impact on energy supply and demand, as well as global oil price. In addition, this has contributed to volatility in the overall domestic economy and across various business sectors, including energy industry. This situation may bring uncertainty and affect the environment in which the Group operates. As a result, I focused on considering the impairment of goodwill, since impairment assessments of goodwill constitute significant accounting estimates, which require management to exercise judgment and make accounting estimates, particularly with respect to the identification of cash-generating units, the estimates of future cash flows that the Group expects to receive from those groups of assets and determination of an appropriate discount rate. The circumstances described above affect these judgments and estimates.

I have gained an understanding of the Group's business environment and of the process for assessing the impact of the oil price volatility on considerations regarding the impairment testing of goodwill, including the recording of relevant accounting transactions, by making inquiries with the Group's management and examining supporting documents. I have assessed the identification of cash-generating units, having gained an understanding of and evaluated the key assumptions selected by management in making estimates of the expected future cash flows and determining the discount rate by making inquiry of the responsible persons and performing comparative analysis with different sources of information regarding both the Group and the industry. Moreover, I compared the cash flow projections for previous periods with actual operating results, including relevant variables, in order to assess management's use of judgment in estimating the expected future cash flows. For this purpose, I have been following the Group's assessment of the impact of these circumstances up to the date of this report. In addition, I reviewed the disclosure of the impact of the oil price volatility on the impairment testing of goodwill.

#### **Other Matter**

The State Audit standards as described in the *Basis for Opinion* section and the *Auditor's Responsibilities for the Audit of the Financial Statements* section are relevant only to the audit of the financial statements, which are prepared by management in accordance with Thai Financial Reporting Standards.

#### Other Information

Management is responsible for the other information. The other information comprise the information included in annual report of the Group, but does not include the financial statements and my auditor's report thereon. The annual report of the Group is expected to be made available to me after the date of this auditor's report.

My opinion on the financial statements does not cover the other information and I do not express any form of assurance conclusion thereon.

In connection with my audit of the financial statements, my responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or my knowledge obtained in the audit or otherwise appears to be materially misstated.

When I read the annual report of the Group, if I conclude that there is a material misstatement therein, I am required to communicate the matter to those charged with governance for correction of the misstatement.

# Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Thai Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Group's financial reporting process.

#### Auditor's Responsibilities for the Audit of the Financial Statements

My objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the State Audit Standards and Thai Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with the State Audit Standards and Thai Standards on Auditing, I exercise professional judgement and maintain professional skepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the group to express an opinion on the consolidated financial statements. I am responsible for the direction, supervision and performance of the group audit. I remain solely responsible for my audit opinion.



I communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

I also provide those charged with governance with a statement that I have complied with the State Audit Standards and relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on my independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, I determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. I describe these matters in my auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, I determine that a matter should not be communicated in my report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

I am responsible for the audit resulting in this independent auditor's report.

Jull

Kittiphun Kiatsomphob Certified Public Accountant (Thailand) No. 8050

EY Office Limited Bangkok: 20 February 2025





# **Statement of Financial Position**

PTT Public Company Limited and Its Subsidiaries As at 31 December 2024

					Unit: Baht
		Consolidated fina	ancial statements	Separate finan	cial statements
	Notes	31 December 2024	31 December 2023	31 December 2024	31 December 2023
Assets					
Current assets					
Cash and cash equivalents	4	405,138,726,787	417,133,806,030	78,861,923,355	87,570,265,246
Short-term investments in financial assets	5	45,992,000,082	32,391,687,023	23,734,441,229	7,253,799,697
Trade receivables	6	251,390,816,498	259,812,941,241	162,012,020,322	164,396,639,591
Other current receivables	7	62,768,556,295	77,425,088,404	8,569,823,849	14,404,349,282
Short-term lending	8.1	2,206,562,698	2,216,448,581	3,127,251,157	35,911,427,586
Inventories	10	187,332,524,029	210,998,887,158	25,628,744,194	25,860,502,540
Supplies	11	54,206,291,305	52,499,741,288	5,896,625,377	5,756,215,875
Current derivative assets		8,951,954,802	8,789,069,042	1,207,216,066	1,094,275,319
Other current financial assets		728,543,259	878,470,903	298,500,879	297,266,749
Other current assets	12	9,913,704,658	12,555,510,627	2,146,072,855	2,585,661,430
Assets held for sale		1,106,070,898	7,037,087,436	-	-
Total current assets		1,029,735,751,311	1,081,738,737,733	311,482,619,283	345,130,403,315
Non-current assets					
Other long-term investments in financial assets	13	52,293,061,765	45,731,813,255	8,353,363,876	6,572,148,032
Investments in subsidiaries	14.1, 14.4	-	-	430,851,544,384	456,480,548,540
Investments in joint ventures	14.2, 14.5	62,637,720,822	62,257,698,552	4,979,465,773	4,979,465,773
Investments in associates	14.3	108,637,521,158	110,064,700,457	-	-
Long-term lending	8.2	43,666,412,101	6,942,728,134	36,482,878,649	21,122,682,866
Investment properties	15	11,617,814,085	11,233,561,947	4,037,684,476	4,075,966,962
Property, plant and equipment	16	1,534,657,527,441	1,541,209,163,515	249,639,984,101	248,057,048,807
Right-of-use assets	17	116,477,849,633	116,099,084,852	24,159,445,172	23,422,826,073
Goodwill	18	178,907,442,816	183,730,773,538	-	-
Other intangible assets other than goodwill	19	124,538,376,389	130,311,569,781	2,080,267,063	2,591,564,344
Exploration and evaluation assets	20	90,383,689,365	94,330,965,080	-	-
Deferred tax assets	22.3	46,823,429,469	42,477,564,169	3,701,244,762	3,384,646,490
Non-current derivative assets		1,768,578,606	813,281,470	132,742,091	266,564,746
Other non-current financial assets		17,155,736,635	15,632,743,220	245,609,338	208,677,207
Other non-current assets	23	19,483,364,741	17,887,510,657	1,139,750,223	1,098,419,274
Total non-current assets		2,409,048,525,026	2,378,723,158,627	765,803,979,908	772,260,559,114
Total assets		3,438,784,276,337	3,460,461,896,360	1,077,286,599,191	1,117,390,962,429



# Statement of Financial Position (Continued)

PTT Public Company Limited and Its Subsidiaries As at 31 December 2024

					Unit: Baht
		Consolidated fina	ancial statements	Separate finan	cial statements
	Notes	31 December 2024	31 December 2023	31 December 2024	31 December 2023
Liabilities and shareholders' equity					
Current liabilities					
Bank overdrafts and short-term loans from					
financial institutions	27	102,774,110,123	96,511,469,339	-	-
Trade payables	24	240,193,417,147	243,384,549,126	135,908,375,523	149,327,338,219
Other current payables	25	67,466,201,365	80,097,334,648	17,436,282,745	22,724,182,590
Current portion of long-term borrowings	27	77,280,763,479	97,399,050,676	19,989,328,364	39,351,394,973
Current portion of lease liabilities	27	20,601,256,630	16,076,557,254	2,030,647,612	1,511,122,775
Short-term borrowings	27	8,147,000,000	6,500,000,000	16,819,255,739	18,296,900,877
Income tax payable		27,171,959,471	26,264,225,327	1,799,079,223	1,405,370,245
Short-term provision for decommissioning costs	29	3,457,679,662	2,107,376,664	25,695,843	-
Current derivative liabilities		6,434,361,865	5,731,674,969	1,175,946,204	1,516,823,712
Other current financial liabilities		1,721,234,776	523,720,119	1,041,115,717	211,399,392
Other current liabilities	26	13,817,369,014	11,226,197,391	3,424,157,820	3,773,394,646
Liabilities directly associated with assets held for sale		22,878,897	2,887,602,463	-	-
Total current liabilities		569,088,232,429	588,709,757,976	199,649,884,790	238,117,927,429
Non-current liabilities					
Long-term borrowings	27	814,719,216,992	863,303,142,247	172,289,858,531	192,727,722,780
Lease liabilities	27	82,673,811,197	81,652,219,254	8,627,879,196	7,560,567,997
Deferred tax liabilities	22.3	76,418,918,772	82,694,578,159	-	-
Provision for employee benefits	28	36,449,965,636	33,815,506,957	7,918,798,332	6,791,664,086
Long-term provision for decommissioning costs	29	148,640,823,635	134,277,903,113	112,010,228	25,257,398
Deposits on LPG cylinders		13,186,814,112	12,951,851,352	-	-
Non-current derivative liabilities		6,180,654,273	4,229,382,581	3,312,537,146	2,841,022,982
Other non-current financial liabilities		4,467,855,083	4,991,841,829	1,425,299,016	1,487,181,799
Other non-current liabilities	30	30,080,899,549	28,860,307,823	6,165,939,029	5,049,634,701
Total non-current liabilities		1,212,818,959,249	1,246,776,733,315	199,852,321,478	216,483,051,743
Total liabilities		1,781,907,191,678	1,835,486,491,291	399,502,206,268	454,600,979,172



# Statement of Financial Position (Continued)

PTT Public Company Limited and Its Subsidiaries As at 31 December 2024

Interview         Consolidated First statements         Separate first statements         Separate first statements           Notes         31 December 2024         31 December 2023         31 December 2024         31 December 2024 <th></th> <th></th> <th></th> <th></th> <th></th> <th>Unit: Baht</th>						Unit: Baht
Liabilities and shareholders' equity (Continued)         Image: Continued of the subsidiaries         Image: Contin			Consolidated fina	ancial statements	Separate finan	cial statements
Shareholders' equity         Index optial         Index optial         Index optial         Index optial         Index optial           Registered share capital         28,562,996,250 ordinary shares of Baht 1 each         28,562,996,250<		Notes	31 December 2024	31 December 2023	31 December 2024	31 December 2023
Shareholders' equity         Index optial         Index optial         Index optial         Index optial         Index optial           Registered share capital         28,562,996,250 ordinary shares of Baht 1 each         28,562,996,250<						
Shareholders' equity         Index optial         Index optial         Index optial         Index optial         Index optial           Registered share capital         28,562,996,250 ordinary shares of Baht 1 each         28,562,996,250<						
Share capital         Image: capital         Image: capital         Image: capital	Liabilities and shareholders' equity (Continued)					
Registered share capital         Cash Se2,996,250 ordinary shares of Baht 1 each         28,562,996,250         28,552,996,250         28,552,996,250         28,552,996,250	Shareholders' equity					
28,562,996,250 ordinary shares of Baht 1 each       28,562,996,250       28,562,996,250       28,562,996,250       28,562,996,250         Issued and fully paid-up share capital       28,562,996,250       28,562,996,250       28,562,996,250       28,562,996,250         28,562,996,250 ordinary shares of Baht 1 each       28,562,996,250       28,562,996,250       28,562,996,250       28,562,996,250         Share premium       29,211,31,966       29,211,131,966       29,211,131,966       29,211,131,966       29,211,131,966         Surplus from the change in the ownership interests       41,009,841,135       39,461,080,386           Retained earnings       41,009,841,135       39,461,080,386            Appropriated - legal reserve       31       2,857,245,725       2,85	Share capital					
Issued and fully paid-up share capital       Z8,562,996,250 ordinary shares of Baht 1 each       Z8,562,996,250       Z9,211,131,966       Z9,211,131,966       Z9,211,131,966       Z9,211,131,966       Z9,211,31,966       Z9,211,31,962       Z9,211,21,21,21,21,21,21,21,21,21	Registered share capital					
28,562,996,250 ordinary shares of Baht 1 each       28,562,996,250       28,562,996,250       28,562,996,250       28,562,996,250         Share premium       29,211,131,966       29,211,131,966       29,211,131,966       29,211,131,966         Surplus from the change in the ownership interests       41,009,841,135       39,461,080,386       -       -         Retained earnings       41,009,841,135       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725         Appropriated - legal reserve       31       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725         Unappropriated - self-insurance fund reserve       31       1,370,128,692       1,330,420,740       1,330,420,740         Unappropriated       1,035,610,421,327       1,003,378,317,116       614,647,951,904       598,772,263,337         Other components of shareholders' equity       11,030,406,156       16,396,692,627       1,134,938,386       2,055,925,239         Equity attributable to owners of the Company       1,149,652,171,251       1,121,197,884,810       677,784,392,923       662,789,983,257         Non-controlling interests of the subsidiaries       507,224,913,408       503,777,520,259       -       -         Total shareholders' equity       16,568,77,084,659       1,624,975,405,069 <td< td=""><td>28,562,996,250 ordinary shares of Baht 1 each</td><td></td><td>28,562,996,250</td><td>28,562,996,250</td><td>28,562,996,250</td><td>28,562,996,250</td></td<>	28,562,996,250 ordinary shares of Baht 1 each		28,562,996,250	28,562,996,250	28,562,996,250	28,562,996,250
Share premium       29,211,131,966       29,211	Issued and fully paid-up share capital					
Surplus from the change in the ownership interests       41,009,841,135       39,461,080,386       -       -         Retained earnings       -       -       -       -       -         Appropriated - legal reserve       31       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725         Appropriated - self-insurance fund reserve       31       1,370,128,692       1,330,420,740       1,370,128,692       1,330,420,740         Unappropriated       11,035,610,421,327       1,003,378,317,116       614,647,951,904       598,772,263,337         Other components of shareholders' equity       11,1030,406,156       16,396,692,627       1,134,938,386       2,055,925,239         Equity attributable to owners of the Company       1,149,652,171,251       1,121,197,884,810       677,784,392,923       662,789,983,257         Non-controlling interests of the subsidiaries       507,224,913,408       503,777,520,259       -       -         Total shareholders' equity       1,656,877,084,659       1,624,975,405,069       677,784,392,923       662,789,983,257	28,562,996,250 ordinary shares of Baht 1 each		28,562,996,250	28,562,996,250	28,562,996,250	28,562,996,250
In subsidiaries       41,009,841,135       39,461,080,386	Share premium		29,211,131,966	29,211,131,966	29,211,131,966	29,211,131,966
Retained earnings       Image: Appropriated - legal reserve       31       2,857,245,725       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740       1,330,420,740 <th< td=""><td>Surplus from the change in the ownership interests</td><td></td><td></td><td></td><td></td><td></td></th<>	Surplus from the change in the ownership interests					
Appropriated - legal reserve       31       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725       2,857,245,725         Appropriated - self-insurance fund reserve       31       1,370,128,692       1,330,420,740       1,370,128,692       1,330,420,740         Unappropriated       1,035,610,421,327       1,003,378,317,116       614,647,951,904       598,772,263,337         Other components of shareholders' equity       11,030,406,156       16,396,692,627       1,134,938,386       2,055,925,239         Equity attributable to owners of the Company       1,149,652,171,251       1,121,197,884,810       677,784,392,923       662,789,983,257         Non-controlling interests of the subsidiaries       507,224,913,408       503,777,520,259       -       -         Total shareholders' equity       1,656,877,084,659       1,624,975,405,069       677,784,392,923       662,789,983,257	in subsidiaries		41,009,841,135	39,461,080,386	-	-
Appropriated - self-insurance fund reserve       31       1,370,128,692       1,330,420,740       1,370,128,692       1,330,420,740         Unappropriated       1,035,610,421,327       1,003,378,317,116       614,647,951,904       598,772,263,337         Other components of shareholders' equity       11,030,406,156       16,396,692,627       1,134,938,386       2,055,925,239         Equity attributable to owners of the Company       1,149,652,171,251       1,121,197,884,810       677,784,392,923       662,789,983,257         Non-controlling interests of the subsidiaries       507,224,913,408       503,777,520,259       -       -         Total shareholders' equity       1,656,877,084,659       1,624,975,405,069       677,784,392,923       662,789,983,257	Retained earnings					
Unappropriated1,035,610,421,3271,003,378,317,116614,647,951,904598,772,263,337Other components of shareholders' equity11,030,406,15616,396,692,6271,134,938,3862,055,925,239Equity attributable to owners of the Company1,149,652,171,2511,121,197,884,810677,784,392,923662,789,983,257Non-controlling interests of the subsidiaries507,224,913,408503,777,520,259Total shareholders' equity1,656,877,084,6591,624,975,405,069677,784,392,923662,789,983,257	Appropriated - legal reserve	31	2,857,245,725	2,857,245,725	2,857,245,725	2,857,245,725
Other components of shareholders' equity         11,030,406,156         16,396,692,627         1,134,938,386         2,055,925,239           Equity attributable to owners of the Company         1,149,652,171,251         1,121,197,884,810         677,784,392,923         662,789,983,257           Non-controlling interests of the subsidiaries         507,224,913,408         503,777,520,259         -         -           Total shareholders' equity         1,656,877,084,659         1,624,975,405,069         677,784,392,923         662,789,983,257	Appropriated - self-insurance fund reserve	31	1,370,128,692	1,330,420,740	1,370,128,692	1,330,420,740
Equity attributable to owners of the Company       1,149,652,171,251       1,121,197,884,810       677,784,392,923       662,789,983,257         Non-controlling interests of the subsidiaries       507,224,913,408       503,777,520,259       -       -         Total shareholders' equity       1,656,877,084,659       1,624,975,405,069       677,784,392,923       662,789,983,257	Unappropriated		1,035,610,421,327	1,003,378,317,116	614,647,951,904	598,772,263,337
Non-controlling interests of the subsidiaries         507,224,913,408         503,777,520,259         -           Total shareholders' equity         1,656,877,084,659         1,624,975,405,069         677,784,392,923         662,789,983,257	Other components of shareholders' equity		11,030,406,156	16,396,692,627	1,134,938,386	2,055,925,239
Total shareholders' equity         1,656,877,084,659         1,624,975,405,069         677,784,392,923         662,789,983,257	Equity attributable to owners of the Company		1,149,652,171,251	1,121,197,884,810	677,784,392,923	662,789,983,257
	Non-controlling interests of the subsidiaries		507,224,913,408	503,777,520,259	-	-
Total liabilities and shareholders' equity         3,438,784,276,337         3,460,461,896,360         1,077,286,599,191         1,117,390,962,429	Total shareholders' equity		1,656,877,084,659	1,624,975,405,069	677,784,392,923	662,789,983,257
	Total liabilities and shareholders' equity		3,438,784,276,337	3,460,461,896,360	1,077,286,599,191	1,117,390,962,429

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Pattaralada Sa-Ngasang Chief Financial Officer



# Statement of Income

PTT Public Company Limited and Its Subsidiaries For the year ended 31 December 2024

Unit: Baht

		Consolidated fina	ancial statements	Separate finan	Separate financial statements		
	Notes	2024	2023	2024	2023		
Sales and service income	33	3,090,453,391,180	3,144,883,584,066	1,768,847,156,211	1,890,654,384,044		
Cost of sales and services	35	2,755,319,565,107	2,769,496,972,049	1,727,991,916,145	1,845,325,866,893		
Gross profit		335,133,826,073	375,386,612,017	40,855,240,066	45,328,517,151		
Other income	34	47,924,622,893	38,636,471,668	73,640,098,371	70,311,569,997		
Loss on derivatives		(6,932,566,700)	(13,194,035,415)	(10,346,900,870)	(5,865,627,527)		
Gain on foreign exchange rates		15,234,553,714	22,284,818,507	16,288,542,137	17,083,565,651		
Profit before expenses		391,360,435,980	423,113,866,777	120,436,979,704	126,858,025,272		
Selling and distribution expenses	35	46,398,390,865	46,118,325,029	11,094,381,616	9,954,180,012		
Administrative expenses	35	96,783,324,462	82,044,073,803	22,557,382,429	22,815,020,021		
Petroleum royalties		14,012,561,702	15,987,300,914	-	-		
Operating profit		234,166,158,951	278,964,167,031	86,785,215,659	94,088,825,239		
Share of profit (loss) from investments in joint ventures							
and associates	14.6	(6,667,675,091)	3,012,624,956	-	-		
Profit before finance costs and income taxes		227,498,483,860	281,976,791,987	86,785,215,659	94,088,825,239		
Finance costs	36	46,820,921,145	45,383,423,008	8,751,175,479	9,482,053,425		
Profit before income taxes		180,677,562,715	236,593,368,979	78,034,040,180	84,606,771,814		
Income tax expenses	22.1	67,209,979,354	81,313,167,804	4,179,455,822	6,222,907,267		
Profit for the year		113,467,583,361	155,280,201,175	73,854,584,358	78,383,864,547		
Profit attributable to							
Equity holders of the Company		90,072,026,202	112,023,880,947	73,854,584,358	78,383,864,547		
Non-controlling interests of the subsidiaries		23,395,557,159	43,256,320,228	-	-		
		113,467,583,361	155,280,201,175	73,854,584,358	78,383,864,547		
Basic earnings per share		3.15	3.92	2.59	2.74		

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# Statement of Comprehensive Income

				Unit: Baht
	Consolidated fina	ancial statements	Separate finan	cial statements
	2024	2023	2024	2023
Profit for the year	113,467,583,361	155,280,201,175	73,854,584,358	78,383,864,547
Other comprehensive income (loss)				
Other comprehensive income to be reclassified to profit or loss in subsequent per	riods			
Exchange differences on translation of financial statements				
in foreign currency	(14,145,359,360)	(6,394,033,596)	-	-
Gain (loss) on debt investments measured at fair value				
through other comprehensive income	16,748,461	(553,092)	-	-
Income taxes related to debt investments measured at fair value				
through other comprehensive income	(2,979,728)	(1,989,381)	-	-
Gain (loss) on cash flow hedges	(600,388,628)	137,421,887		-
Income taxes related to cash flow hedges	225,919,685	42,717,064	-	-
Share of other comprehensive loss from joint ventures				
and associates	(1,780,925,605)	(470,706,027)	-	-
Other comprehensive income not to be reclassified to profit or loss in subsequent	periods			
Loss on remeasurements of defined benefits plans	(1,608,284,579)	(492,310,853)	(720,626,271)	(460,678,896)
Income taxes related to remeasurements of defined benefits plans	293,089,871	157,481,076	144,125,254	92,150,922
Gain (loss) on equity investments designated at fair value				
through other comprehensive income	2,880,163,608	(2,624,546,930)	(1,151,233,566)	(1,524,009,148)
Income taxes related to equity investments designated at fair value				
through other comprehensive income	1,605,288,525	3,374,613,301	230,246,713	339,649,095
Share of other comprehensive loss from joint ventures				
and associates	(392,737,029)	(1,031,979,142)	-	-
Other comprehensive loss for the year, net of income taxes	(13,509,464,779)	(7,303,885,693)	(1,497,487,870)	(1,552,888,027)
Total comprehensive income for the year	99,958,118,582	147,976,315,482	72,357,096,488	76,830,976,520
Total comprehensive income attributable to				
Equity holders of the Company	83,743,794,633	103,986,347,737	72,357,096,488	76,830,976,520
Non-controlling interests of the subsidiaries	16,214,323,949	43,989,967,745	-	-
	99,958,118,582	147,976,315,482	72,357,096,488	76,830,976,520

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# Statement of Changes in Shareholders' Equity

PTT Public Company Limited and Its Subsidiaries For the year ended 31 December 2024

							Equity attributable to owners of the Company	wners of the Compar.	y.						
									Other compc	Other components of shareholders' equity	ders' equity				
						Retained earnings	s		Other comprehensive income (loss)	ve income (loss)					
					Appropriated	iated		Exchange			Share of other				
				Surplus from				differences			comprehensive		Total equity	Equity attributable	
		Issued and		the change in the				on translation of	Investments in		income (loss)	Total other	attributable to	to non-controlling	
		fully paid-up		ownership interests		Self-insurance		financial statements	other long-term	-	from joint ventures	components of	owners	interests	Total
	Notes	share capital	Share premium	in subsidiaries	Legal reserve	fund reserve	Unappropriated	in foreign currency	financial assets Cash flow hedges		and associates	shareholders' equity	of the Company	of the subsidiaries	shareholders' equity
Balance as at 1 January 2023	CN.	28,562,996,250	29,211,131,966	10,068,142,437	2,857,245,725	1,293,274,044	957,167,125,835	18,661,950,083	5,122,533,492	(76,287,897)	(277,234,150)	23,430,961,528	1,052,590,877,785	481,101,887,148	1,533,692,764,933
Changes in shareholders' equity for the year															
Reserve for self-insurance fund	31				,	37,146,696	(37,146,696)								
Foreign exchange difference from repayment of															
subordinated perpetual loan				,	,	,	(1,126,041,097)			,			(1,126,041,097)	(598,710,400)	(1,724,751,497)
Dividends paid				,	,	,	(42,844,232,880)			,			(42,844,232,880)	,	(42,844,232,880)
Dividends paid of subsidiaries				,	,	,	,	ı		,	,		,	(19,449,171,784)	(19,449,171,784)
Change in the ownership interests in subsidiaries				29,392,937,949	,	,	(21,390,884,515)	ı		,	,		8,002,053,434	(1,477,372,303)	6,524,681,131
Increase in share capital of subsidiaries			,							,				210,919,853	210,919,853
Profit for the year							112,023,880,947			,			112,023,880,947	43,256,320,228	155,280,201,175
Other comprehensive income (loss) for the year			,				(414,384,478)	(5,454,484,246)	(421,886,471)	(15,908,460)	(1,141,989,724)	(7,034,268,901)	(7,448,653,379)	733,647,517	(6,715,005,862)
Balance as at 31 December 2023	N	28,562,996,250	29,211,131,966	39,461,080,386	2,857,245,725	1,330,420,740	1,003,378,317,116	13,207,465,837	4,700,647,021	(92,196,357)	(1,419,223,874)	16,396,692,627	1,121,197,884,810	503,777,520,259	1,624,975,405,069
Balance as at 1 January 2024	2	28,562,996,250	29,211,131,966	39,461,080,386	2,857,245,725	1,330,420,740	1,003,378,317,116	13,207,465,837	4,700,647,021	(92,196,357)	(1,419,223,874)	16,396,692,627	1,121,197,884,810	503,777,520,259	1,624,975,405,069
Changes in shareholders' equity for the year															
Reserve for self-insurance fund	31	•		•	•	39,707,952	(39,707,952)			•			•	•	•
Issuance of subordinated perpetual debentures	32			1	1	1	1	1	•	1	1			16,927,213,828	16,927,213,828
Dividends paid	39			1	1	1	(57,124,692,486)	1	•	1	1		(57,124,692,486)		(57,124,692,486)
Dividends paid of subsidiaries				1	1	1	1	1	•	1	1			(24,947,462,688)	(24,947,462,688)
Change in the ownership interests in subsidiaries				1,548,760,749					•	•			1,548,760,749	(5,078,031,323)	(3,529,270,574)
Increase in share capital of subsidiaries									•	•				156,174,383	156,174,383
Profit for the year		•			,	,	90,072,026,202						90,072,026,202	23,395,557,159	113,467,583,361
Other comprehensive income (loss) for the year		•			,	,	(675,521,553)	(7,978,091,040)	4,051,802,719	(44,953,495)	(1,395,044,655)	(5,366,286,471)	(6,041,808,024)	(7,006,058,210)	(13,047,866,234)
Balance as at 31 December 2024	2	28,562,996,250	29,211,131,966	41,009,841,135	2,857,245,725	1,370,128,692	1.035.610.421.327	5.229.374.797	8.752.449.740	(137.149.852)	(2.814.268.529)	11 030 406 156	1 149 652 171 251	507 224 913 408	1 656 877 084 650

The accompanying notes are an integral part of these financial statements.

Unit: Baht

Statement of Changes in Shareholders' Equity (Continued)

PTT Public Company Limited and Its Subsidiaries For the year ended 31 December 2024 Unit: Baht

Other components

Separate financial statements

					Retained earnings		of sharehoders' equity	
			•				Other comprehensive	
		Issued and		Appropriated	riated		income (loss)	
		fully paid-up	<u>-</u>		Self-insurance		Investments in other	Total
	Notes	share capital	Share premium	Legal reserve	fund reserve	Unappropriated	long-term financial assets	shareholders' equity
Delete the second state of		78 EG7 006 7E0	20 211 131 066	0 867 016 706	1 203 274 044	563 678 611 030	3 240 285 202	608 703 515 016
		z0,002,000,200	20,211,101,000	2,001,012,000,2	1,200,517,044	000,020,000	0,240,200,202	010,010,000,000
Changes in shareholders' equity for the year								
Reserve for self-insurance fund	31		,	·	37,146,696	(37,146,696)		,
Dividends paid			,	ı	ı	(42,844,232,880)		(42,844,232,880)
Profit for the year			,	·	ı	78,383,864,547		78,383,864,547
Other comprehensive loss for the year		ı	ı	ı	ı	(358,833,573)	(1,184,360,053)	(1,543,193,626)
Balance as at 31 December 2023	1	28,562,996,250	29,211,131,966	2,857,245,725	1,330,420,740	598,772,263,337	2,055,925,239	662,789,983,257
	<u> </u>							
Balance as at 1 January 2024		28,562,996,250	29,211,131,966	2,857,245,725	1,330,420,740	598,772,263,337	2,055,925,239	662,789,983,257
Changes in shareholders' equity for the year								
Reserve for self-insurance fund	31	,	ı	ı	39,707,952	(39,707,952)	,	ı
Dividends paid	39		ı	ı	I	(57,124,692,486)	ı	(57,124,692,486)
Profit for the year					ı	73,854,584,358		73,854,584,358
Other comprehensive loss for the year		ı			ı	(814,495,353)	(920,986,853)	(1,735,482,206)
Balance as at 31 December 2024		28,562,996,250	29,211,131,966	2,857,245,725	1,370,128,692	614,647,951,904	1,134,938,386	677,784,392,923
	1							



## Statement of Cash Flows

PTT Public Company Limited and Its Subsidiaries For the year ended 31 December 2024

Unit: Baht

	Consolidated financial statements		Separate financial statements		
	2024	2023	2024	2023	
Cash flows from operating activities					
Profit before income taxes	180,677,562,715	236,593,368,979	78,034,040,180	84,606,771,814	
Adjustment of profit before income taxes to net cash provided by					
(used in) operating activities					
Depreciation and amortization expenses	185,917,889,515	173,065,107,955	19,794,134,951	19,458,750,362	
(Gain) loss on disposal of assets	(4,661,325,184)	(4,614,440,135)	(7,434,280)	32,776,399	
Gain on disposal of investments	(5,723,127,069)	(1,495,778,296)	-	-	
Loss on capital decrement of subsidiary	-	-	26,375,098,690	-	
Gain on change in status of investments	-	(2,443,353,174)		-	
Gain on repurchase of debentures	(3,958,524,259)	(2,159,784,892)		-	
Loss on impairment of assets	8,470,348,269	4,942,291,326	-	142,647,292	
(Reversal of) loss on impairment of investment	1,016,284,074	-	(20,931,565,844)	(18,040,273,315)	
Share of (profit) loss from investments in joint ventures and associates	6,667,675,091	(3,012,624,956)	-	-	
Provision for employee benefits	3,459,635,747	3,171,836,456	716,442,198	578,788,530	
(Gain) loss on exchange rates	2,732,540,059	(1,320,417,021)	1,382,126,817	(1,776,702,281)	
(Gain) loss on derivatives	7,406,087,230	(5,479,263,746)	620,224,717	(604,461,797)	
Unrealized (gain) loss on fair value of commodity contracts	(4,487,126,015)	(7,015,057,249)	(31,230,031)	274,793,802	
(Gain) loss on investments measured at fair value though profit and loss	(543,528,686)	(355,496,916)	33,106,353	143,373,642	
(Reversal of) expected credit loss of accounts receivable and other assets	24,042,950	401,017,699	(33,300,782)	(62,837,308)	
Write-off exploration assets	3,362,433,697	2,070,459,400		-	
(Reversal of) allowance for changes in value of inventories	(2,866,812,996)	(2,380,872,405)	(1,156,825,933)	224,840,513	
(Reversal of) allowance for obsolete supplies	191,265,237	(2,075,657,346)	61,295,359	3,964,202	
Dividend income	(1,864,410,692)	(2,189,933,632)	(60,924,570,047)	(36,251,431,619)	
Interest income	(18,171,937,152)	(12,219,394,219)	(4,322,442,602)	(3,143,805,410)	
Finance costs	46,820,921,145	45,383,423,008	8,751,175,479	9,482,053,425	
Others	72,460,191	133,588,961	(384,730,758)	(504,915,629)	
Profit from operating activities before					
changes in operating assets and liabilities	404,542,353,867	418,999,019,797	47,975,544,467	54,564,332,622	





# Statement of Cash Flows (Continued)

				Unit: Baht
	Consolidated fina	ancial statements	Separate finan	cial statements
	2024	2023	2024	2023
Operating assets (increase) decrease				
Trade receivables	9,593,049,288	(41,080,162,013)	2,489,634,584	(3,374,702,675)
Other current receivables	18,152,310,951	65,904,510,775	6,514,912,450	20,580,529,175
Inventories and supplies	24,922,090,915	13,413,635,693	1,299,282,418	824,293,389
Other current assets	20,742,819,761	3,995,794,250	463,694,420	(232,360,401)
Other non-current assets	(3,567,209,483)	(4,709,239,314)	(45,492,433)	(20,310,550)
Operating liabilities increase (decrease)				
Trade payables	(5,710,444,342)	13,778,494,050	(14,829,622,595)	5,569,143,758
Other current payables	(15,528,259,506)	23,111,840,720	(3,823,793,278)	3,624,060,356
Other current liabilities	4,717,128,094	(19,954,539,586)	506,175,342	(4,180,585,159)
Other non-current liabilities	(10,830,118,902)	(8,213,633,334)	820,833,988	(557,476,958)
	42,491,366,776	46,246,701,241	(6,604,375,104)	22,232,590,935
Cash received from operating activities	447,033,720,643	465,245,721,038	41,371,169,363	76,796,923,557
Income taxes paid	(73,793,813,584)	(83,200,557,966)	(3,760,999,959)	(9,584,103,564)
Net cash provided by operating activities	373,239,907,059	382,045,163,072	37,610,169,404	67,212,819,993



# Statement of Cash Flows (Continued)

				Unit: Baht
	Consolidated fina	ancial statements	Separate finan	cial statements
	2024	2023	2024	2023
Cash flows from investing activities				
Cash payment of property, plant and equipment				
and investment properties	(160,459,939,381)	(163,734,257,811)	(17,640,724,914)	(16,513,907,762)
Cash payment of other intangible assets other than goodwill	(5,607,298,948)	(7,880,907,987)	(128,031,221)	(163,684,278)
Cash payment of exploration and evaluation assets	(3,956,856,963)	(5,514,324,433)	-	-
Cash payment of right-of-use assets	(306,272,895)	(428,904,399)	(4,736,777)	(2,608,941)
Net cash payment for acquisition of assets	(18,727,552,661)	-	-	-
Cash payment for other long-term investments in financial assets	(8,951,070,445)	(2,534,042,926)	(6,263,152,475)	(1,137,552,584)
Net cash payment for business acquisitions	(1,331,028,354)	-	-	-
Cash payment for contingent considerations from business acquisition		(24,925,374)	-	-
Cash payment of investments in subsidiaries	-	-	(25,000,000)	(4,298,645,500)
Decrease in cash from loss of control in a subsidiary	-	(334,168,185)	-	-
Cash payment of investments in joint ventures and associates	(4,470,941,359)	(8,863,789,437)	-	(20,000,000)
Cash payment of long-term lending	(22,836,842,655)	(2,436,197,906)	(19,173,784,776)	(30,000,000)
Cash payment for derivatives	(437,476,122)	(1,075,480,196)	(437,476,122)	(1,075,480,196)
Cash proceeds from disposals of property, plant and equipment,				
investment properties, other intangible assets other than goodwill				
and right-of-use assets	15,004,593,917	4,669,649,945	22,420,034	58,707,960
Net cash received from disposal of participating interests	-	7,243,583,449	-	-
Cash proceeds from disposals of other long-term investments				
in financial assets	9,268,229,956	3,915,881,476	6,238,981,695	2,090,502,923
Cash proceeds from disposals of investments in subsidiaries	7,591,156,548	10,301,388,493	-	-
Cash proceed from capital decrement of subsidiary	-	-	20,210,471,310	1,562,000,000
Cash proceeds from devaluing of an investment in a joint venture	46,876,000	-	-	-
Cash proceeds from disposals of investments in associates	5,000,000	-	-	-
Cash proceeds from long-term lending	2,661,293,508	931,628,811	39,102,387,559	1,074,844,400
Cash proceeds from lease installments	1,826,410	-	71,536,033	35,773,288
Cash proceeds from derivatives	31,754,018	-	-	-
(Increase) decrease in short-term lending	97,881,315	(228,897,870)	(2,723,743,553)	192,403,279
(Increase) decrease in short-term investments in financial assets	(18,193,746,338)	(14,555,468,810)	(20,570,812,496)	791,071,138
Interests received	14,691,846,638	10,092,900,771	3,811,416,180	3,186,271,635
Dividends received	7,115,323,291	9,211,576,993	60,876,493,794	36,251,431,619
Net cash provided by (used in) investing activities	(188,763,244,520)	(161,244,755,396)	63,366,244,271	22,001,126,981





# Statement of Cash Flows (Continued)

Unit: Baht
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		Consolidated financial statements		Separate financial statements	
Not	tes	2024	2023	2024	2023
Cash flows from financing activities					
Cash proceeds from issuance of ordinary shares of subsidiaries		171,652,535	246,288,051	-	_
Cash proceeds from long-term borrowings		72,134,562,934	99,624,080,307	499,365,500	13,478,230,000
Cash proceeds from derivatives		-	177,031,490		-
Net cash proceeds from issuance of subordinated perpetual debentures		16,927,213,828	-	-	-
Cash proceeds from change in ownership in subsidiaries		-	8,477,054,983	-	-
Cash payment for decrease in ordinary shares of subsidiaries		(3,884,562,763)	(39,265,070)	-	-
Cash repayment of long-term borrowings		(133,634,982,493)	(130,292,891,236)	(39,353,700,000)	(16,016,076,886)
Cash payment for lease installments		(21,240,690,478)	(18,219,626,556)	(1,771,622,430)	(1,162,747,354)
Cash payment for derivatives		(118,694,182)	(95,812,221)	(93,758,004)	(95,812,221)
Cash payment for change in ownership in subsidiaries		-	(3,430,623,776)	-	(00)0·_j /
Increase (decrease) in short-term borrowings		1,619,500,885	6,272,591,000	(1,477,645,139)	8,849,423,318
Increase in bank overdrafts and short-term loans from		,,,	-, , ,	( , ,,,	
financial institutions		6,700,296,460	5,984,753,469	-	-
Finance costs paid		(42,851,088,588)	(48,494,490,958)	(10,180,615,469)	(16,143,373,744)
Dividends paid		(82,233,838,485)	(62,368,307,948)	(57,122,036,926)	(42,847,021,907)
Net cash used in financing activities	-	(186,410,630,347)	(142,159,218,465)	(109,500,012,468)	(53,937,378,794)
Effects of exchange rates on cash and cash equivalents		(635,714,697)	(3,279,610,457)	(184,743,098)	(494,286,610)
Exchange differences on translation		(9,425,396,738)	2,018,940,120	-	-
Cash and cash equivalents classified as held for sale		-	(300,971,062)	-	
Net increase (decrease) in cash and cash equivalents		(11,995,079,243)	77,079,547,812	(8,708,341,891)	34,782,281,570
Cash and cash equivalents at beginning of year		417,133,806,030	340,054,258,218	87,570,265,246	52,787,983,676
Cash and cash equivalents at end of year 4		405,138,726,787	417,133,806,030	78,861,923,355	87,570,265,246
Nan anak itama					
Non-cash items		00 100 500 454	20 721 020 005	1 464 077 400	1 007 000 007
Accounts payable from purchases of fixed assets	au	28,169,539,454	29,721,930,065	1,464,977,463	1,987,320,967
Accounts payable from purchases of other intangible assets other than goodw	/111	350,356,825	287,880,999	29,419,758	70,284,196



# Notes to Financial Statements

PTT Public Company Limited and Its Subsidiaries For the year ended 31 December 2024

#### 1. General information

PTT Public Company Limited (the Company) is incorporated as a public limited company in Thailand, and is listed on the Stock Exchange of Thailand.

The Head Office of the Company is located at 555 Vibhavadi-Rangsit Road, Chatuchak, Bangkok, Thailand.

The Company has a status of a state enterprise while the Ministry of Finance is the largest shareholder and is under the supervision of Ministry of Energy.

The Company's principal activity is the operation of its petroleum business. The Company has invested in subsidiaries, joint arrangements and associates (the Group), which are engaged in upstream petroleum and natural gas, downstream petroleum, new business and sustainability, and other related businesses as described in Note 37 Operating segments.

#### 2. Basis for the preparation of financial statements

The consolidated and the separate financial statements have been prepared in accordance with Thai Financial Reporting Standards under the Accounting Act, B.E. 2543. These are Thai Financial Reporting Standards under the Accounting Profession Act, B.E. 2547, including guidelines promulgated by the Federation of Accounting Professions (TFAC), and the financial reporting requirements of the Securities and Exchange Commission under the Securities and Exchange Act, B.E. 2535.

The presentation of the financial statements has been made in compliance with the stipulations of the Notification of the Department of Business Development, issued under the Accounting Act B.E. 2543

The consolidated and the separate financial statements have been prepared under the historical cost convention with the exception of certain amounts, which are accounted for using the fair value method as disclosed in Note 3.3 Accounting policies.

The financial statements of subsidiaries have been prepared using the same accounting policies of the Company. The significant transactions arising between the Company and its subsidiaries have been eliminated from the consolidated financial statements.

The consolidated and the separate financial statements are prepared and presented in Thai Baht and are rounded in the notes to financial statements to the nearest million Baht unless otherwise stated.

#### 2. Basis for the preparation of financial statements (Continued)

This English translation of the financial statements has been prepared from the statutory financial statements that were issued in Thai language. In the event of a conflict or a difference in interpretation between the two languages, the Thai language statutory financial statements shall prevail.

#### 3. Accounting policies

3.1 Financial reporting standards that became effective in current year

During the year, the Group has adopted the revised financial reporting standards which are effective for fiscal years beginning on or after 1 January 2024. These financial reporting standards were aimed at alignment with the corresponding International Financial Reporting Standards with most of the changes directed towards clarifying accounting treatment and providing accounting guidance for users of the standards. The amendments address four matters:

- The definition of accounting estimates to distinguish between "changes in accounting estimates" and "changes in accounting policies"
- Disclosure of accounting policies
- Deferred tax related to assets and liabilities arising from a single transaction
- Other amendments resulting from changes in Thai Financial Reporting Standard No. 17 Insurance Contracts

The adoption of these financial reporting standards does not have any significant impact on the Group's financial statements.

3.2 Financial reporting standards that will become effective for fiscal years beginning on or after 1 January 2025

The Federation of Accounting Professions issued new and a number of revised financial reporting standards, which are effective for fiscal years beginning on or after 1 January 2025. These financial reporting standards were aimed at alignment with the corresponding International Financial Reporting Standards with most of the changes directed towards clarifying accounting treatment and providing accounting guidance for users of the standards.

The new financial reporting standard effective for fiscal years beginning on or after 1 January 2025 is Thai Financial Reporting Standard No. 17 Insurance Contracts. The amendments made to this financial reporting standard address four matters as detailed below:

- Classification of liabilities as non-current in accordance with the criteria for the entity entitled to extend payment for at least 12 months after the reporting period
- Non-current liabilities subject to covenants that must be maintained
- Disclosure requirements for supplier finance arrangements
- Subsequent measurement requirements for lease liabilities in sale and leaseback transactions

The management of the Group believes that adoption of these amendments will not have any significant impact on the Group's financial statements.

3.3 Accounting policies (Continued)

#### 3.3.1 Cash and cash equivalents

Cash and cash equivalents comprise cash on hand, deposits held at call with banks and other short-term highly liquid investments which have original maturities within three months and without withdrawal restictions. Bank overdrafts and short-term loans from financial institutions are included in current liabilities in the statements of financial position.

#### 3.3.2 Inventories

Inventories are stated at the lower of cost and net realizable value. The cost is calculated by using the weighted average cost method. The cost of inventory comprises total purchasing costs, direct payments related to inventories, discounts, quantity discounts, as well as contributions to or compensation from taxes and several funds. Net realizable value is calculated from estimated selling price in the ordinary course of business, less the costs of completion and related selling expenses. When net realizable value of inventories is lower than cost of acquisition, it is presented under cost of goods sold in profit or loss. An allowance for obsolescence of inventories will be recognized when inventories are obsoleted or defected.

Inventories using the commodity broker-traders' method are presented at fair value less costs to sell through profit or loss.

#### 3.3.3 Supplies

Supplies are stated at cost calculated by using the weighted average cost method, less allowance for obsolescence of supplies when there are obsolete, defective or unserviceable items, and shall be accounted as part of production cost upon withdrawal.

#### 3.3.4 Investments in subsidiaries

Subsidiaries are those companies which directly or indirectly controlled by the parent company. Control exists when the parent company has the power over the subsidiaries so as to obtain variable returns from the involvement with the subsidiaries and has the ability to affect those returns through the power over the subsidiaries. In case of the parent company has voting rights less than half of total voting rights in subsidiaries, the parent company will reconsider the related facts and circumstances in order to determine whether the parent company has the power to control over such subsidiaries or not.

The financial statements of subsidiaries are included in the consolidated financial statements from the date that the control commences until the date that the control ceases.



3.3 Accounting policies (Continued)

#### 3.3.4 Investments in subsidiaries (Continued)

The parent company allocates profit or loss and each component of other comprehensive income or loss to the equity attributable to owners of the parent and the non-controlling interests even if this results in a deficit non-controlling interest balance.

The purchase method of accounting is used to account for business combinations, except the business combination under common control. The cost of a business combination is measured as the sum of fair value of any consideration transferred, the recognized amount of any non-controlling interest in the acquiree, and the fair value of the existing equity interest as of the purchasing date (if the business combination is achieved in stages).

- For each business combination, the Group measures the recognized amount of any non-controlling interest in the acquiree at either the fair value or the non-controlling interest's proportionate share of the net of identifiable assets of the acquiree.
- In the case of a business combination achieved in stages, the Group measures the acquisition-date fair value of the acquirer's previously-held equity interest in the acquiree and recognized gains or losses profit or loss.
- Costs related to the acquisition, including professional fees, appraisal fees and other consulting fees, are recognized as expenses in profit or loss.

The Group measures the identifiable assets and liabilities acquired at fair value as of the acquisition date.

Any changes in the equity interest in subsidiaries of the Group while control is retained are recorded as surplus (deficit) from the changes in the interests in subsidiaries in equity.

Upon the disposal of investments, the difference between the net disposal proceeds and the carrying amount of the investments is recorded in profit or loss.

Investments in subsidiaries have been presented in the separate financial statements under the cost method.

The list of investments in subsidiaries of the Group and proportion of ownership interests have been set out in Note 14.

3.3.5 Investments in joint ventures and associates

Joint ventures are joint arrangement whereby the Group has joint control of the arrangement and has rights to the net assets of the arrangement. The joint control is the contractually agreed sharing of control of an arrangement, which exists only when decisions about the relevant activities require the unanimous consent of the parties sharing control.

Associates are those companies whereby the Group has significant influence, but not control or joint control, over the financial and operating policies.

- 3.3 Accounting policies (Continued)
- 3.3.5 Investments in joint ventures and associates (Continued)

The Group uses the purchase method to record the acquisition of joint ventures and associates, except for business combinations under common control. Cost includes the purchase price and other costs directly attributable to the acquisition as of the acquisition date. Any difference between the cost of the investment and the entity's share of the net fair value of the investee's identifiable assets and liabilities is accounted for as follows:

- Goodwill related to an associate or a joint venture is included in the carrying amount of the investment. Goodwill is not amortised.
- Any excess of the entity's share of the net fair value of the investee's identifiable assets and liabilities over the cost of the investment is treated as income in determining the entity's share of the associate or joint venture's profit or loss.

The consolidated financial statements of the Group include the share of profit and loss from joint ventures and associates under equity method, from the date that significant influence commences until the date that significant influence ceases. Unrealized gains or losses on transactions between the Group and its joint ventures and associates are eliminated to the extent of the Group's interest in the joint ventures and associates unless the transactions provide evidence of impairment of the transferred assets.

The Group records share of profit or loss from joint ventures and associates in proportion to the Group's equity interest in those gains and losses. Any dividends received from joint ventures and associates are deducted from the book value of the investments.

When the Group's share of loss in joint ventures and associates equals or exceeds its interest in the joint ventures and associates, the Group does not recognize further losses, unless the Group has incurred collateral or constructive obligations or made payments on behalf of the joint ventures and associates.

Upon the disposal of investments, the difference between the net disposal proceeds and the carrying amount of the investments is recorded in profit or loss.

Investments in joint ventures and associates have been presented under the cost method in the separate financial statements and under the equity method in the consolidated financial statements.

The list of investments in joint ventures and associates of the Group and proportion of ownership interests have been set out in Note 14.



3.3 Accounting policies (Continued)

#### 3.3.6 Joint operations

Joint operations are joint arrangement whereby the Group has rights to assets and obligations relating to the joint arrangement. The Group has recognized assets, liabilities, revenues and expenses by the portion of joint operations in the consolidated financial statements from the date that joint control commences until the date that joint control ceases.

The list of joint operations of the Group and transactions relating to its involvements have been set out in Note 14.

#### 3.3.7 Related parties

Related parties of the Company are those enterprises or individuals that control or are controlled by the Company, or are under common control with the Company, including holding companies of subsidiaries and fellow Group subsidiaries, as well as those that have equity interests in the Company that result in significant influence or joint control over the Company. In addition, related parties include associates, joint ventures, the management and directors of the Company, and entities which the management or directors of the Company, directly or indirectly, control, jointly controlled, or have significant influence.

In considering each possible related party relationship, attention is directed more to the substance of the relationship than to the legal form.

#### 3.3.8 Foreign currency translation

The consolidated financial statements and the separate financial statements have been presented in Thai Baht, which is the Company's functional currency. Transactions of each company included in the consolidated financial statements are recorded in their own functional currencies.

Foreign currency transactions are translated into functional currency at the exchange rates prevailing at the transaction date. Monetary assets and liabilities at the statements of financial position date denominated in foreign currencies are translated into functional currency at the exchange rate prevailing at that date. Gains and losses resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in profit or loss.

3.3 Accounting policies (Continued)

#### 3.3.8 Foreign currency translation (Continued)

Assets and liabilities of foreign operations, that presentation currencies are foreign currencies, are translated into Thai Baht using the closing rate at the statements of financial position date. Revenues and expenses are translated into Thai Baht using the average rate during the period. Differences arising from currency translation are included in other comprehensive income and accumulated differences are presented in other components of equity under equity.

Upon the disposal of self-sustaining foreign entities, accumulated currency translation differences under shareholders' equity are recognized as gains or losses on disposal.

#### 3.3.9 Borrowing costs

Borrowing costs comprise interest and other costs associated with the borrowings. Borrowing costs incurred on qualifying assets are capitalized as a cost of the qualifying property until all the activities necessary to prepare the property for its intended use are substantially completed. When funds are specifically borrowed for the construction or the production of asset, the amount of borrowing costs capitalized is determined from the actual borrowing costs during the year less any income on the temporary investment of those borrowings. When funds are borrowed for general purpose, the Group multiplies the capitalization rate by the capital expenditure in allocating borrowing costs to costs of assets.

All other borrowing costs are expensed in the period they incurred.

#### 3.3.10 Investment properties

Investment properties are initially recognized at cost, including expenses directly associated with the asset acquisition, less accumulated depreciation and allowance for impairment.

The Group has selected the cost model for accounting for its investment properties. This model is in accordance with that described in the accounting policy for property, plant and equipment.

Depreciation is recorded as expenses in profit or loss and is calculated using the straight-line method over the estimated useful lives of the assets, which range from 2 to 32 years. Land and construction in progress are not depreciated.

The Group recognizes the difference between the net disposal proceeds and the carrying amount of the asset in profit or loss in the period of the disposal.



- 3.3 Accounting policies (Continued)
- 3.3.11 Property, plant and equipment

Property, plant and equipment are initially recognized at cost less accumulated depreciation and accumulated impairment losses (if any). The costs comprise any costs directly attributable to bringing the asset to the location and condition necessary for it to be capable of operating. These include decommissioning costs, delivery and restoration costs, and any obligation associated with either its acquisition or a consequence of having used the items.

Repair and maintenance costs are recognized in profit or loss during the financial period in which they are incurred. The costs of significant asset improvements, major turnarounds and inspections are included in the carrying amount of the asset. In case of replacement, the Group writes off carrying value of replaced items.

The Group depreciates each significant component of property, plant and equipment separately.

The Group estimates the residual value of the property, plant and equipment based on current assessment of the amount that would currently obtain from disposal of the assets, after deducting the estimated costs of disposal, if the assets were already of the age and in the condition expected at the end of its useful life.

The Group reviews the residual value, the useful lives and depreciation methods of assets at least once a year.

Depreciation is recorded as expenses in profit or loss and is calculated using the straight-line method or unit of production method over the estimated useful lives of the assets, which are as follows:

Buildings and building improvements	2 - 53 years
Machinery and equipment	2 - 50 years or unit of production
Petroleum exploration and production properties	5 - 30 years or unit of production
Other assets	2 - 25 years

Land and construction in progress are not depreciated.

Gains or losses on disposal of property, plant and equipment are determined by comparing the proceeds from sales with the carrying amounts on the disposal dates, and are recorded in profit or loss when incurred.



- 3.3 Accounting policies (Continued)
- 3.3.11 Property, plant and equipment (Continued)

#### Petroleum exploration and production properties

The petroleum exploration and production business accounts for its petroleum exploration and production properties in accordance with the successful efforts method for which the accounting policies are as follows:

#### Cost of properties

The cost of properties comprises the total acquisition costs of petroleum rights or the acquisition costs of the portion of properties, decommissioning costs, as well as support equipment and facilities.

Exploratory drilling costs are capitalized as petroleum exploration and evaluation assets, and will be classified as petroleum exploration and production properties of the projects if their exploratory wells have identified proved reserves that have been found to be commercially producible. However, if the exploratory wells have not identified proved reserves or have identified proved reserves but have not been found to be commercially producible, such drilling costs will be expensed in the statements of income.

Exploratory costs, comprising geological and geophysical costs as well as area reservation fees during the exploration stage, are charged as expenses in profit or loss when incurred.

Development costs, whether relating to successful or unsuccessful development wells, are capitalized and classified as assets.

#### Depreciation

The capitalized acquisition costs of petroleum rights are depreciated using the unit of production method based on proved reserves. Depreciation of exploratory wells, development costs as well as decommissioning costs, except unsuccessful projects, are calculated using the unit of production method based on proved reserves or proved developed reserves. The Group recognizes changes in reserve estimates prospectively.

Proved reserves and proved developed reserves are calculated by the Group's own engineers and are based on the information received from the joint operators.

Depreciation of support equipment, facilities and others are determined using the straight-line method over the useful lives of assets.



#### 3.3 Accounting policies (Continued)

#### 3.3.12 Goodwill

The Group initially records goodwill at cost, which equals to the excess of the acquisition costs over the fair value of the net assets acquired, and carries out a test for impairment of goodwill at least once a year or when there are circumstances indicate that an investment might be impaired. Where the fair value of the net assets exceeds the cost of acquisition at the acquisition date, the excess is recognized as a gain in profit or loss.

To test for impairment, the Group allocates goodwill from business combinations to each cash-generating unit (or group of cash-generating units) that is expected to receive benefit from the synergies of the combination. The Group evaluates the recoverable amount of each cash-generating unit (or group of cash-generating units) and if it is lower than the carrying amount of the unit, the Group recognizes impairment losses in profit or loss. Impairment losses of goodwill will not be reversed.

3.3.13 Other intangible assets other than goodwill

Intangible assets are initially recognized at cost less accumulated amortization and accumulated impairment losses (if any).

The Group records the initial costs of intangible assets from business combination at the acquisition-date fair value of the assets. Intangible assets from other sources are initially recognized at costs.

Intangible assets include computer software licenses, customer contracts, copyrights and trademarks and other intangible assets such as other operating rights.

Intangible assets are amortized and recorded as expenses in profit or loss using the straight-line method over the useful lives of the assets which range from 2 to 35 years.

The Group reviews the residual value, useful lives and amortization methods of intangible assets at least once a year.



3.3 Accounting policies (Continued)

#### 3.3.14 Exploration and evaluation assets

#### Petroleum exploration and evaluation assets

Petroleum exploration and evaluation expenditures are capitalized at cost as exploration and evaluation assets. If the projects have identified the proved reserves that have been found to be commercially producible, the capitalized exploration and evaluation expenditures under these projects will be transferred to petroleum exploration and production properties under property, plant and equipment, which are subsequently measured as stated in Note 3.3.11.

The capitalized exploration and evaluation expenditure is charged to profit or loss in the period in which the projects have not identified proved reserves or have identified proved reserves, but have not been found to be commercially producible.

#### 3.3.15 Impairment of non-financial assets

At the end of each reporting period, the Group performs impairment reviews in respect of the investment in subsidiaries, joint ventures and associates, property, plant and equipment, right-of-use asset, investment properties or other intangible assets, whenever events or changes in circumstances indicate that an asset may be impaired. The Group also carries out annual impairment reviews in respect of goodwill and intangible assets with indefinite useful lives. An impairment loss is recognized when the recoverable amount of an asset, which is the higher of the asset's fair value less costs to sell and its value in use, is less than the carrying amount. In determining value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. In determining fair value less costs to sell, an appropriate valuation model is used. These calculations are corroborated by a valuation model that, based on information available, reflects the amount that the Group could obtain from the disposal of the asset in an arm's length transaction between knowledgeable, willing parties, after deducting the costs of disposal.

The impairment losses are recognized in profit or loss.

In the assessment of asset impairment (except for goodwill), if there is any indication that previously recognized impairment losses may no longer exist or may have decreased, the Group estimates the asset's recoverable amount. A previously recognized impairment loss is reversed only if there has been a change in the assumptions used to determine the asset's recoverable amount since the last impairment loss was recognized. The increased carrying amount of the asset attributable to a reversal of an impairment loss shall not exceed the carrying amount that would have been determined had no impairment loss been recognized for the asset in prior years. Such reversal is recognized in profit or loss.



#### 3.3 Accounting policies (Continued)

#### 3.3.16 Leases

At inception of contract, the Group assesses whether a contract is, or contains, a lease. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration.

#### The Group as a lessee

The Group applied a single recognition and measurement approach for all leases, except for short-term leases and leases of low-value assets. At the commencement date of the lease (i.e. the date the underlying asset is available for use), the Group recognizes right-of-use assets representing the right to use underlying assets and lease liabilities based on lease payments.

#### Right-of-use assets

Right-of-use assets are measured at cost, less accumulated depreciation, any accumulated impairment losses, and adjusted for any remeasurement of lease liabilities. The cost of right-of-use assets includes the amount of lease liabilities initially recognized, initial direct costs incurred, and lease payments made at or before the commencement date of the lease less any lease incentives received.

Depreciation of right-of-use assets are calculated by reference to their costs, on the straight-line basis over the shorter of their estimated useful lives and the lease term.

Land	2 - 96 years
Buildings	2 - 99 years
Machinery and equipment	2 - 26 years
Motor vehicles	2 - 51 years
Others	2 - 58 years

If ownership of the leased asset is transferred to the Group at the end of the lease term or the cost reflects the exercise of a purchase option, depreciation is calculated using the estimated useful life of the asset.

Right-of-use assets which are classified as investment properties are presented as part of investment properties in the statement of financial position.



3.3 Accounting policies (Continued)

3.3.16 Leases (Continued)

The Group as a lessee (Continued)

#### Lease liabilities

Lease liabilities are measured at the present value of the lease payments to be made over the lease term. The lease payments include fixed payments less any lease incentives receivable, variable lease payments that depend on an index or a rate, and amounts expected to be payable under residual value guarantees. Moreover, the lease payments include the exercise price of a purchase option reasonably certain to be exercised by the Group and payments of penalties for terminating the lease, if the lease term reflects the Group exercising an option to terminate. Variable lease payments that do not depend on an index or a rate are recognized as expenses in the period in which the event or condition that triggers the payment occurs.

The Group discounted the present value of the lease payments by the interest rate implicit in the lease or the Group's incremental borrowing rate. After the commencement date, the amount of lease liabilities is increased to reflect the accretion of interest and reduced for the lease payments made. In addition, the carrying amount of lease liabilities is remeasured if there is a change in the lease term, a change in the lease payments or a change in the assessment of an option to purchase the underlying asset.

#### Short-term leases and leases of low-value assets

A lease that has a lease term less than or equal to 12 months from commencement date or a lease of low-value assets is recognized as expenses on a straight-line basis over the lease term.

#### The Group as a lessor

#### Finance leases

A lease that transfers substantially all the risks and rewards incidental to ownership of an underlying asset to a lessee is classified as finance leases. As at the commencement date, an asset held under a finance lease is recognized as a receivable at an amount equal to the net investment in the lease or the present value of the lease payments receivable and any unguaranteed residual value. Subsequently, finance income is recognized over the lease term to reflect a constant periodic rate of return on the net investment in the lease.



- 3.3 Accounting policies (Continued)
- 3.3.16 Leases (Continued)

The Group as a lessor (Continued)

#### **Operating** leases

A lease is classified as an operating lease if it does not transfer substantially all the risks and rewards incidental to ownership of an underlying asset to a lessee. Lease receivables from operating leases is recognized as income in profit or loss on a straight-line basis over the lease term. Initial direct costs incurred in obtaining an operating lease are added to the carrying amount of the underlying assets and recognized as an expense over the lease term on the same basis as the lease income.

#### 3.3.17 Income taxes

Income taxes comprise of current tax and deferred tax.

#### Current tax

The Group calculates income tax on its non-promoted businesses pursuant to the Revenue Code of Thailand, the Petroleum Income Tax Act, B.E. 2514 Amendment, B.E. 2532 and B.E. 2560 and other laws and regulations related to corporate income tax of other countries in which the Group has invested.

Current tax is the expected tax payable on the taxable profit for the year, using tax rates enacted at the statements of financial position date in the taxable period, and any adjustment to tax payable in respect of previous years.

#### Deferred tax

Deferred tax is recognized in the statements of financial position using the liability method for temporary differences between tax base of assets and liabilities and the carrying amounts in the financial statements. The principal temporary differences in consolidated financial statements arise from property, plant and equipment, provisions for employee benefit, provision for decommissioning costs, and cumulative loss carried forward.

Deferred tax is measured using the tax rates enacted at the statements of financial position date.

The Group recognizes deferred tax liabilities for all taxable temporary differences. However, deferred tax assets are recognized for all deductible temporary differences and unused tax losses to the extent that it is probable that taxable profit will be available against which the deductible temporary difference can be utilized. The Group reviews the carrying amounts of deferred tax assets at the end of each reporting period and they are reduced to the extent that the tax benefits can be utilized.



- 3.3 Accounting policies (Continued)
- 3.3.17 Income taxes (Continued)

#### Deferred tax (Continued)

The Group recognized deferred tax as income or an expense and included in profit or loss for the year, except to the extent that the tax arises from a transaction or event which is recognized outside profit or loss, either in other comprehensive income or directly in equity, or a business combination.

Deferred tax assets and liabilities can only be offset if the entity has the legal right to settle on a net basis and the deferred tax balances relate to the same taxation authority.

The Group offsets deferred tax assets and deferred tax liabilities for presentation in the statement of financial position.

#### 3.3.18 Advance payments for gas purchase under take-or-pay agreements

The Company has entered into gas purchase agreements with natural gas producers, under which the Company is required to take delivery of natural gas at annual minimum quantities. During each contract year, if the Company cannot accept natural gas according to the minimum quantities under the agreements, it is required to pay for the volume of natural gas which it cannot actually take (Take-or-Pay). After the end of each contract year, the Company and the natural gas producers have to agree on and accept the volume of gas that should be taken into the calculation of Take-or-Pay for that contract year, which is subject to the basis and conditions in the agreements. Under the agreements, the Company can take certain volumes of prepaid gas (Make-up) in subsequent years after taking delivery of natural gas at the minimum quantities for that given contract year. The Company recognizes its obligations under the agreements as advance payments for gas purchase.

#### 3.3.19 Provision for decommissioning costs

The Group records a provision for decommissioning costs whenever it is highly probable that an obligation will arise as a result of a past event and the amount of the obligation can be reliably estimated.

The Group recognizes a provision for decommissioning costs based on an estimate of the eventual costs relate to the removal of petroleum exploration and production properties and plant and equipment. These costs are included as part of the cost of the assets and are amortized based on proved reserves using the unit of production method or the proved developed reserve and the straight-line method over the estimated useful lives of the assets, respectively. The estimates of decommissioning costs are determined based on reviews and estimates by the Group's engineers and management's judgment.



- 3.3 Accounting policies (Continued)
- 3.3.20 Provisions for employee benefits

Provisions for employee benefits of the Group are measured and recognized as follows:

- Short-term employee benefits are recognized in profit or loss as expenses when incurred.
- Post-employment benefits defined contribution plans
- The Group and its employees have jointly established a provident fund. The fund is monthly contributed by employees and by the Group. The fund's assets are held in a separate trust fund and the Group's contributions are recognized as expenses in profit or loss when incurred.
- Post-employment benefits defined benefit plans
   The provisions under the defined benefit plan is determined based on actuarial techniques, using the projected unit credit method, in order to determine present value of the provisions and be recognized as a liability in the statements of financial position. Current service cost, past service cost, net interest on the net defined benefit liability are recognized as expenses in profit or loss. Remeasurements of the net defined benefit liability or asset, including actuarial gains and losses are recognized in other comprehensive income and accumulated amounts are recognized as retained earnings in equity.
- Other long-term employment benefits

The provisions under the defined benefit plan is determined based on actuarial techniques, using the projected unit credit method, in order to determine present value of the provisions and be recognized as a liability in the statements of financial position. Current service cost, past service cost, net interest on the net defined benefit liability are recognized as expenses in profit or loss. Remeasurements of the net other long-term benefit liability or asset, including actuarial gains and losses are recognized in profit or loss immediately.

- Termination benefits are recognized as a liability and an expense when, and only when, the Company is demonstrably committed to either:
  - Terminate the employment of an employee or a group of employees before the normal retirement date; or
  - Provide termination benefits as a result of an offer made in order to encourage voluntary redundancy.



3.3 Accounting policies (Continued)

#### 3.3.21 Revenue and expense recognition

#### Sales and service income

The Group recognizes revenue upon completion and the delivery of promised goods or services to customers at the transaction price which is entitled in exchange for transferring goods or services. Service income shall be recognized throughout the service duration with consideration to percentage of completion.

#### Interest income

Interest income is recognized using the effective interest rate ("EIR") method by multiplying initial carrying amount of the financial asset with EIR, except subsequently credit-impaired financial assets in which net carrying amount of such assets (net of allowance for expected credit loss) shall be multiplied by EIR.

#### Finance cost

Interest expenses arising from financial liabilities measured at amortized cost is calculated using the effective interest rate method.

#### Dividend income

Dividend income is recognized as revenue when rights on such dividend is obtained by the Group.

#### 3.3.22 Government grants

Government grants, including non-monetary grants, are recognized where there is reasonable assurance that the recipient will comply with all attached conditions and that the grant will be received. The Group recognizes the grants as income on a systematic basis over the periods for which the costs that the government grants are compensating. The Group recognizes the grants as a part of income in profit or loss.



#### 3.3 Accounting policies (Continued)

#### 3.3.23 Financial instruments

The Group initially measures financial assets at its fair value plus, in the case of financial assets that are not measured at fair value through profit or loss, transaction costs. However, trade receivables, that do not contain a significant financing component, are measured at the transaction price as disclosed in the accounting policy relating to revenue recognition.

#### Classification and measurement of financial assets

Financial assets are classified, at initial recognition, as to be subsequently measured at amortized cost, fair value through other comprehensive income ("FVOCI"), or fair value through profit or loss ("FVTPL"). The classification of financial assets at initial recognition is driven by the Group's business model for managing the financial assets and the contractual cash flows characteristics of the financial assets.

#### Financial assets at amortized cost

The Group measures financial assets at amortized cost if the financial asset is held in order to collect contractual cash flows and the contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Financial assets at amortized cost are subsequently measured using the effective interest rate ("EIR") method and are subject to impairment. Gains and losses are recognized in profit or loss when the asset is derecognized, modified, or impaired.



3.3 Accounting policies (Continued)

### 3.3.23 Financial instruments (Continued)

#### Classification and measurement of financial assets (Continued)

### Financial assets at FVOCI (debt instruments)

The Group measures financial assets at FVOCI if the financial asset is held to collect contractual cash flows and selling and the contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

Interest income, gain or loss from foreign exchange revaluation and impairment losses or reversals are recognized in profit or loss and computed in the same manner as for financial assets measured at amortized cost. The remaining fair value changes are recognized in other comprehensive income. Upon derecognition, the cumulative fair value change recognized in other comprehensive income is recycled to profit or loss.

### Financial assets designated at FVOCI (equity instruments)

Upon initial recognition, the Group can elect to irrevocably classify its equity investments which are not held for trading as equity instruments designated at FVOCI. The classification is determined on an instrument-by-instrument basis.

Gains and losses recognized in other comprehensive income on these financial assets are never recycled to profit or loss.

Dividends are recognized as other income in profit or loss, except when the dividends clearly represent a recovery of part of the cost of the financial asset, in which case, the gains are recognized in other comprehensive income.

Equity instruments designated at FVOCI are not subject to impairment assessment.

#### Financial assets at FVTPL

Financial assets measured at FVTPL are carried in the statement of financial position at fair value with net changes in fair value recognized in profit or loss.

These financial assets include derivatives, security investments held for trading, equity investments which the Group has not irrevocably elected to classify at FVOCI and financial assets with cash flows that are not solely payments of principal and interest.

Dividends on listed equity investments are recognized as other income in profit or loss.



3.3 Accounting policies (Continued)

#### 3.3.23 Financial instruments (Continued)

#### Classification and measurement of financial liabilities

Except for derivative liabilities, at initial recognition the Group's financial liabilities are recognized at fair value net of transaction costs and classified as liabilities to be subsequently measured at amortized cost using the EIR method. Gains and losses are recognized in profit or loss when the liabilities are derecognized as well as through the EIR amortization process. In determining amortized cost, the Group takes into account any discounts or premiums on acquisition and fees or costs that are an integral part of the EIR. The EIR amortization is included in finance costs in profit or loss.

#### Recognition and derecognition of financial instruments

Regular way purchases and sales of financial assets are recognized or derecognized on the trade date, i.e., the date on which the Group becomes a party to contractual provisions of the instrument

A financial asset is primarily derecognized when the rights to receive cash flows from the asset have expired or have been transferred and either the Group has transferred substantially all the risks and rewards of the asset, or the Group has transferred control of the asset.

A financial liability is derecognized when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognized in profit or loss.

#### Impairment of financial assets

The Group recognizes an allowance for expected credit losses ("ECLs") for all debt instruments not held at FVTPL. ECLs are based on the difference between the contractual cash flows due in accordance with the contract and all the cash flows that the Group expects to receive, discounted at an approximation of the original effective interest rate.

For credit exposures for which there has not been a significant increase in credit risk since initial recognition, ECLs are provided for credit losses that result from default events that are possible within the next 12-months (a 12-month ECL). For those credit exposures for which there has been a significant increase in credit risk since initial recognition, a loss allowance is required for credit losses expected over the remaining life of the exposure (a lifetime ECL).



- 3.3 Accounting policies (Continued)
- 3.3.23 Financial instruments (Continued)

### Impairment of financial assets (Continued)

The Group considers a significant increase in credit risk to have occurred when contractual payments are more than 30 days past due and considers a financial asset as credit impaired or default when contractual payments are 90 days past due. However, in certain cases, the Group may also consider a financial asset to have a significant increase in credit risk and to be in default using other internal or external information, such as credit rating of issuers.

For trade receivables, the Group applies a simplified approach in calculating ECLs. Therefore, the Group does not track changes in credit risk, but instead recognizes a loss allowance based on lifetime ECLs at each reporting date. ECLs are calculated based on its historical credit loss experience and adjusted for forward-looking factors specific to the debtors and the economic environment.

A financial asset is written off when there is no reasonable expectation of recovering the contractual cash flows.

#### Offsetting of financial instruments

Financial assets and financial liabilities are offset, and the net amount is reported in the statement of financial position if there is a currently enforceable legal right to offset the recognized amounts and there is an intention to settle on a net basis, to realize the assets and settle the liabilities simultaneously.

#### 3.3.24 Derivatives and hedge accounting

The Group uses derivatives, such as forward currency contracts, cross currency swaps, interest rate swaps and commodity forward contracts, to hedge its foreign currency risks, interest rate risks and commodity price risks, respectively.

Derivatives are initially recognized at fair value on the date on which a derivative contract is entered into and are subsequently remeasured at fair value. The subsequent changes including interest income are recognized in profit or loss unless the derivative is designated and effective as a hedging instrument under cash flow hedge. Derivatives are carried as financial assets when the fair value is positive and as financial liabilities when the fair value is negative.



#### 3.3 Accounting policies (Continued)

#### 3.3.25 Fair value measurement

The Group has measured fair value and disclosed the information relating to fair value measurement in accordance with TFRS 13 "Fair Value Measurement". The guidance under this standard will be applied when the Group requires to measure any assets and liabilities at fair value under relevant standards.

Fair value is the price that would be received to sell an asset or paid to transfer liability in an orderly transaction between buyer and seller (market participants) at the measurement date. The Group applies a quoted market price in an active market to measure their assets and liabilities that are required to be measured at fair value by relevant financial reporting standards. Except in case of no active market of an identical asset or liability or when a quoted market price is not available, the Group measures fair value using valuation technique that are appropriate in the circumstances and maximises th use of relevant observable inputs related to assets and liabilities that are required to be measure at fair value.

#### Fair value hierarchy

In applying the above-mentioned valuation techniques, the Group endeavors to use relevant observable inputs as much as possible by determining a fair value hierarchy that categorizes inputs into three levels as follows:

- Level 1 Use of quoted market prices in an observable active market for such assets or liabilities
- Level 2 Use of other observable inputs for such assets or liabilities, whether directly or indirectly
- Level 3 Used of unobservable inputs for such assets or liabilities such as the Group's estimates of future cash flows

At the end of each reporting period, the Group determimes whether transfers have occurred between levels within the fair value hierarchy for assets and liabilities held at the end of the reporting period that are measured at fair value on recurring basis.

#### 3.4 Use of significant estimates and assumptions

The preparation of financial statements in conformity with Thai Financial Reporting Standards requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, income and expenses.

The estimates and underlying assumptions used in the preparation of financial statements are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected.

Information about significant estimates and assumptions are as follows:

#### 3.4.1 Provisions

The Group recognizes a provision in the statements of financial position if, as a result of a past event, the Group has a present obligation that can be estimated reliably and it is probable that an outflow of economic benefits will be required to settle the obligation.

The Group records provisions for decommissioning costs when it is highly probable that a commitment will arise as a result of past circumstances and the amount can be estimated reliably. The Group recognizes the provisions for decommissioning costs based on estimated cost of decommissioning of completed construction that is ready for its intended use. These costs are recorded as assets and are amortized using the units of production method based on estimated proved reserves and the straight-line method over the estimated useful lives of the assets. The provision for decommissioning costs is determined based on reviews and estimates by the Group's engineers, together with the management's judgment.

The provisions are based on the current situation such as regulations, technologies and prices. The actual results could differ from these estimates as future confirming events occur.

#### 3.4.2 Income tax

The Group is responsible for the payment of tax in various countries. In estimating income tax payable, the Group uses significant judgment since numerous transactions and calculations occur as a result of the Group's operations.

The Group recognizes income tax payable based on estimated incremental tax payments. Differences between the actual tax payments and the estimates affects income tax and deferred tax in the period the difference occurs.

A deferred tax asset is recognized when it is highly probable that the Group will have sufficient net income against which to utilize a temporary difference. Assumptions related to future taxable income are uncertain and may change, affecting the recognition of deferred tax assets.

#### 3.4 Use of significant estimates and assumptions (Continued)

#### 3.4.3 Estimates of petroleum reserves

Petroleum reserves are key elements in the petroleum exploration and production businesses' investment decisionmaking process. They are also important elements in testing for impairment. Changes in proved reserves will also affect the present value of the net cash flows and depreciation calculated using the unit-of-production method.

Proved reserves are the quantities of petroleum that are demonstrated with reasonable certainty to be commercially producible in future years from known reservoirs under existing economic and operating conditions including government rules and regulations. The proved reserves have to be examined and assessed annually by the Group's geologists and reservoir engineers.

#### 3.4.4 Impairment of non-financial assets

The Group considers recording allowance for impairment of assets when events or circumstances indicate that the carrying amount of an asset is higher than its recoverable amount, which is the higher of the anticipated discounted cash flows from the continuing use of the asset or the fair value of the asset less any costs of disposal. The carrying amount of the asset is then written down immediately to its recoverable amount, with the decrease recorded in profit or loss. Losses on impairment of assets other than goodwill recognized in a prior period may be reversed if the estimate of an asset's recoverable amount changes.

The Group estimates future cash flows used in the evaluation for impairment of assets which relate to petroleum production are made with consideration of the risk assessment on field and reservoir performance which includes the estimate of proved and unproved reserves.

Estimates of discounted future cash flows used in considering asset impairment are dependent on various factors such as the expected amount of future production, future selling prices, demand and supply in the market, risk factors and gross margins. The discount rates used in calculating the present value of future cash flows depend on the cost of capital of the asset unit.

#### 3.4.5 Consolidation of subsidiaries that Company holds less than half of shares

The management of the Company determined that the Company has control over many subsidiaries, even though the Company holds shares and voting rights that is less than half of shares and voting rights. This is because the Company is a major shareholder and has the ability to direct the significant activities, while other shareholders are only minor shareholders. Therefore, such companies are deemed to be subsidiaries of the Company and have to be included in the consolidated financial statements from the date on which the Company assumed control.

- 3.4 Use of significant estimates and assumptions (Continued)
- 3.4.6 Use of significant estimates and assumptions related to leases

#### Determining the lease term with extension and termination options - The Group as leasee

In determining the lease term, the management is required to exercise judgement in assessing whether the Group is reasonably certain to exercise the option to extend or terminate the lease considering all relevant facts and circumstances that create an economic incentive for the Group to exercise either the extension or termination option.

#### Estimating the incremental borrowing rate - The Group as leasee

The Group cannot readily determine the interest rate implicit in the lease, therefore, the management is required to exercise judgement in estimating its incremental borrowing rate to discount lease liabilities. The incremental borrowing rate is the rate of interest that the Group would have to pay to borrow over a similar term, and with a similar security, the funds necessary to obtain an asset of a similar value to the right-of-use asset in a similar economic environment.

#### Lease classification - The Group as lessor

In determining whether a lease is to be classified as an operating lease or finance lease, the management is required to exercise judgement as to whether significant risk and rewards of ownership of the leased asset has been transferred, taking into consideration terms and conditions of the arrangement.



#### 4. Cash and cash equivalents

Cash and cash equivalents as at 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Cash	122	142	11	12
Bank deposits	270,583	292,715	47,384	56,373
Fixed deposits within 3 months	101,426	110,799	24,376	25,797
Treasury bills	-	1,200	-	-
Bonds	18,766	5,388	7,091	5,388
Other investments	14,242	6,890	-	-
Total	405,139	417,134	78,862	87,570

Bank deposits, fixed deposits within 3 months, treasury bills, bonds and other investments as at 31 December 2024 bear the interest at rates ranging from 0.00% - 7.14% per annum (31 December 2023: interest rates ranging from 0.00% - 10.00% per annum). As at 31 December 2024, cash and cash equivalents are comprised of financial instruments which are rated as investment grade level (31 December 2023: rated as investment grade level).

During the years 2023 and 2024, the Group participated in the Green Deposit Project, under which the bank allocates the deposits to projects with a positive environmental impact. The Project also provides financial returns from the bank upon achieving the Group's agreed-upon ESG targets and includes an interest rate adjustment mechanism associated with the Group's performance in achieving these targets.

## 5. Short-term investments in financial assets

Short-term investments in financial assets as at 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht		
	Conso	lidated	Sep	arate		
	financial statements		financial statements		financial s	statements
	2024	2023	2024	2023		
Fixed deposits	37,783	20,855	16,904	1,000		
Bonds	3,161	6,707	2,808	5,910		
Treasury bills	-	450	-	-		
Other investments	5,048	4,380	4,022	344		
Total	45,992	32,392	23,734	7,254		

Short-term investments in financial assets as at 31 December 2024 bear the interest at rates ranging from 0.15% - 8.00% per annum (31 December 2023: interest at rates ranging from 0.00% - 6.37% per annum). As at 31 December 2024, short-term investments in financial assets are comprised of financial instruments which are rated as investment grade level (31 December 2023: rated as investment grade level).

## 6. Trade receivables

Trade receivables as at 31 December 2024 and 2023 are as follows:

Unit:	Milli	on	Baht

	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Trade receivables - non-related parties	248,916	255,390	90,385	77,497
Less Allowance for expected credit loss	(3,150)	(3,168)	(174)	(167)
Trade receivables - non-related parties - net	245,766	252,222	90,211	77,330
Trade receivables - related parties (Note 9.1)	5,625	7,591	71,801	87,067
Total	251,391	259,813	162,012	164,397

Classified by aging as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Conso	lidated	Separate	
	financial s	statements	financial	statements
	2024	2023	2024	2023
Within credit terms	233,085	249,587	152,391	162,268
Overdue				
- Within 1 month	13,651	6,575	9,422	1,876
- Over 1 - 2 months	2,503	1,319	70	250
- Over 2 - 3 months	1,535	1,334	166	36
- Over 3 - 12 months	939	1,140	34	82
- Over 12 months	2,828	3,026	103	52
Total	254,541	262,981	162,186	164,564
Less Allowance for expected credit loss	(3,150)	(3,168)	(174)	(167)
Total - net	251,391	259,813	162,012	164,397

Trade receivables - non-related parties - net as at 31 December 2024 include receivables from government agencies and state enterprises in the consolidated financial statements amounting to Baht 29,168 million (31 December 2023: Baht 17,255 million), and in the separate financial statements amounting to Baht 21,112 million (31 December 2023: Baht 15,359 million).



## 6. Trade receivables (Continued)

Trade receivables as at 31 December 2024 and 2023 are as follows: (Continued)

Movements in trade receivables - allowance for expected credit loss for the year ended 31 December 2024 and 2023 are as follows:

	Consolidated		Sep	arate
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
Balance as at 1 January	3,168	2,783	167	227
- Net increase (decrease)	44	415	7	(60)
- Gain on exchange rates	(10)	(7)	-	-
- Classified as assets held for sale	-	(22)	-	-
- Exchange differences on translation of				
financial statements	(52)	(1)	-	-
Balance as at 31 December	3,150	3,168	174	167

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## 7. Other current receivables

Other current receivables as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Conso	lidated	Separate	
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Other current receivables	43,464	53,053	5,086	6,928
Less Allowance for expected credit loss	(960)	(522)	(377)	(418)
Other current receivables	42,504	52,531	4,709	6,510
Advance payments	10,220	8,463	641	763
Refund receivable from the Oil Stabilization Fund	1,895	7,737	1,674	4,321
Current withholding tax receivable	7,728	7,338	-	-
Other current receivables - non-related parties				
- net	62,347	76,069	7,024	11,594
Other current receivables - related parties				
(Note 9.2)	215	1,219	1,522	2,776
Advance payments - related parties (Note 9.2)	207	137	24	34
Total	62,769	77,425	8,570	14,404

The refund receivable from the Oil Stabilization Fund mostly comprised of compensation for locally manufactured oil and liquefied petroleum gas (LPG) or imported LPG for local uses, as well as compensation for Natural Gas for Vehicles (NGV) prices. The compensation rates are determined by the Committee of Energy Policy Administration.

## 8. Lending

#### 8.1 Short-term lending as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Conso	lidated	Separate	
	financial statements financial		financial s	statements
	2024	2023	2024	2023
Current portion of finance lease receivable -				
non-related parties	1,193	1,886	-	-
Current portion of finance lease receivable -				
related parties (Note 9.2)	-	1	68	67
Short-term lending - non-related parties	85	17	-	-
Short-term lending - related parties (Note 9.2)	929	312	3,059	35,844
Total	2,207	2,216	3,127	35,911

8.2 Long-term lending as at 31 December 2024 and 2023 are as follows:

I Init <sup>.</sup>	Million	Raht
Unit.	IVIIIIOII	Dan

	Consolidated		Separate	
	financial statements		financial s	statements
	2024	2023	2024	2023
Long-term finance lease receivable - non-				
related parties	1,173	2,164	-	-
Long-term finance lease receivable -				
related parties (Note 9.3)	-	2	34	103
Long-term lending - related parties (Note 9.3)	42,493	4,777	36,449	21,020
Total	43,666	6,943	36,483	21,123

As at 31 December 2024, lendings are mostly comprised of financial instruments with high credit rating (31 December 2023: comprised of financial instruments with high credit rating).



## 8. Lending (Continued)

8.3 Lending as at 31 December 2024 and 2023 including finance lease receivables are as follows:

			ι	Jnit: Million Baht
	Conso	lidated	Separate	
	financial statements		financial s	tatements
	2024	2023	2024	2023
Due date				
- Within 1 year	1,366	2,257	70	72
- Over 1 and up to 5 years	1,301	2,470	34	105
	2,667	4,727	104	177
Less Deferred interest	(301)	(674)	(2)	(7)
Total	2,366	4,053	102	170

## 9. Related party transactions

Significant transactions carried out with related parties are as follows:

9.1 Trade receivables - related parties as at 31 December 2024 and 2023

			ι	Jnit: Million Baht
	Conso	lidated	Separate	
	financial s	statements	financial s	tatements
	2024	2023	2024	2023
Subsidiaries	-	-	70,581	84,653
Joint ventures	3,290	4,409	669	1,613
Associates	2,333	2,940	551	561
Other related parties	2	242	-	240
Total (Note 6)	5,625	7,591	71,801	87,067

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## 9. Related party transactions (Continued)

9.2 Other current receivables, advance payments, current portion of finance lease receivable, and short-term lending - related parties as at 31 December 2024 and 2023

				Unit: Million Baht
	Conso	lidated	Separate	
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Other current receivables				
Subsidiaries	-	-	1,456	2,761
Joint ventures	199	1,207	66	15
Associates	16	12	-	-
Total (Note 7)	215	1,219	1,522	2,776
Advance payments				
Subsidiaries	-	-	24	34
Joint ventures	207	137	-	-
Total (Note 7)	207	137	24	34
Current portion of finance lease receivable				
Subsidiaries	-	-	68	67
Joint ventures	-	1	-	-
Total (Note 8.1)	-	1	68	67
Short-term lending				
Subsidiaries	-	-	3,059	35,844
Joint ventures	929	312	-	-
Total (Note 8.1)	929	312	3,059	35,844

9.2 Other current receivables, advance payments, current portion of finance lease receivable, and short-term lending - related parties as at 31 December 2024 and 2023 (Continued)

Movements in short-term lending - related parties are as follows:

			l	Unit: Million Baht
	Conso	lidated	Separate	
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
Balance as at 1 January	258	45	481	682
- Increase (decrease)	620	212	2,724	(192)
- Reclassification	15	-	-	-
- Gain (loss) on exchange rates	(5)	5	(152)	(9)
- Exchange differences on translation of				
financial statements	(26)	(4)	-	-
Balance as at 31 December	862	258	3,053	481
Add Current portion (Note 9.3)	67	54	6	35,363
Balance as at 31 December - net	929	312	3,059	35,844

Short-term lending - related parties as at 31 December 2024 in the consolidated financial statements bear interest rates ranging from 1.20% - 8.10% per annum (31 December 2023: 1.20% - 7.25% per annum), and in the separate financial statements bear interest rate at 3.98% per annum (31 December 2023: 4.78% per annum).

9.3 Long-term finance lease receivable and long-term lending - related parties as at 31 December 2024 and 2023

			I	Unit: Million Baht
	Conso	lidated	Sepa	arate
	financial statements		financial s	statements
	2024	2023	2024	2023
Long-term finance lease receivable				
Subsidiaries	-	-	34	103
Joint ventures	-	2	-	-
Total (Note 8.2)	-	2	34	103



9.3 Long-term finance lease receivable and long-term lending - related parties as at 31 December 2024 and 2023 (Continued)

#### Unit: Million Baht

	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Long-term lending				
Subsidiaries	-	-	36,449	21,020
Joint ventures	37,201	262	-	-
Associates	5,292	4,515	-	-
Total (Note 8.2)	42,493	4,777	36,449	21,020

Movements in long-term lending - related parties are as follows:

			ι	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
Balance as at 1 January	4,831	4,771	56,383	57,428
- Loans granted	22,053	1,907	19,174	30
- Repayment received	(2,658)	(932)	(39,102)	(1,075)
- Gain (loss) on exchange rates	1,333	(35)	-	-
- Disposal of a subsidiary	19,051	-	-	-
- Exchange differences on translation				
of financial statements	(2,050)	(880)	-	-
Balance as at 31 December	42,560	4,831	36,455	56,383
Less Current portion (Note 9.2)	(67)	(54)	(6)	(35,363)
Balance as at 31 December - net	42,493	4,777	36,449	21,020

Long-term lending - related parties as at 31 December 2024 in the consolidated financial statements bear interest rates ranging from 3.90% - 11.72% per annum (31 December 2023: 3.90% - 11.72% per annum), and in the separate financial statements bear interest rates ranging from 3.17% - 4.43% per annum (31 December 2023: 1.42% - 4.43% per annum).



### 9.4 Trade payables - related parties as at 31 December 2024 and 2023

			I	Unit: Million Baht
	Conso	lidated	Separate	
	financial statements		financial s	statements
	2024	2023	2024	2023
Subsidiaries	-	-	42,995	57,847
Joint ventures	1,191	601	719	290
Associates	328	347	-	-
Other related parties	7	43	-	-
Total (Note 24)	1,526	991	43,714	58,137

9.5 Other current payables, current portion of lease liabilities and short-term borrowings - related parties as at 31 December 2024 and 2023

	Consolidated		Separate	
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Other current payables				
Subsidiaries	-	-	6,860	7,353
Joint ventures	1,382	1,028	32	37
Associates	150	177	9	9
Other related parties	1	33	-	32
Total (Note 25)	1,533	1,238	6,901	7,431
Current portion of lease liabilities				
Subsidiaries	-	-	217	120
Joint ventures	2,144	2,116	464	453
Total	2,144	2,116	681	573

Unit: Million Baht



9.5 Other current payables, current portion of lease liabilities and short-term borrowings - related parties as at 31 December 2024 and 2023 (Continued)

#### Unit: Million Baht

	Consolidated		Separate		
	financial statements		financial statements financial stateme		statements
	2024 2023		2024	2023	
Short-term borrowings*					
Subsidiaries	-	-	16,819	18,297	
Joint ventures	8,147	6,500	-	-	
Total (Note 27.1)	8,147	6,500	16,819	18,297	

\* The Company has liquidity management policies within the Group include the use of the cash pooling method. Inter-company borrowings were used for short-term financial management of cash surpluses or deficits of each affiliate. Interests on these were calculated by using market interest rates.

9.6 Lease liabilities and long-term borrowings - related parties as at 31 December 2024 and 2023

#### Unit: Million Baht Consolidated Separate financial statements financial statements 2024 2023 2024 2023 Lease liabilities 2,839 Subsidiaries 546 20,046 Joint ventures 21,798 1,603 1,860 20,046 Total 21,798 4,442 2,406 Long-term borrowings Subsidiaries 49,379 48,457



9.6 Lease liabilities and long-term borrowings - related parties as at 31 December 2024 and 2023 (Continued)

Movements in long-term borrowings - related parties are as follows:

	I	Unit: Million Baht
	Sepa	arate
	financial s	tatements
	2024	2023
Balance as at 1 January	49,379	50,260
- Repayments	-	(16)
- Amortized discount	3	6
- Gain on exchange rates	(925)	(871)
Balance as at 31 December	48,457	49,379
Less Current portion	-	-
Balance as at 31 December - net	48,457	49,379

Long-term borrowings - related parties as at 31 December 2024 in the separate financial statements bear interest rates ranging from 4.20% - 6.38% per annum (31 December 2023: 4.20% - 6.38% per annum).



Unit: Million Baht

### 9. Related party transactions (Continued)

#### 9.7 Revenue and expense transactions carried out with related parties

For the years ended 31 December 2024 and 2023

Consolidated Separate financial statements financial statements 2024 2023 2024 2023 Revenue Sales and service income Subsidiaries 1,068,727 1,142,099 --34,549 34,293 13,782 14,420 Joint ventures 4,254 24,261 24,920 5,145 Associates 27 2,595 Other related parties 2,621 \_ Interest income Subsidiaries 1,629 1,657 \_ \_ Joint ventures 1,406 88 \_ Associates 565 384 Other income Subsidiaries 11,133 10,275 --63 Joint ventures 659 365 80 Associates 243 242 21 19 4 Other related parties 4 37 37



## 9.7 Revenue and expense transactions carried out with related parties (Continued)

For the years ended 31 December 2024 and 2023

				Unit: Million Baht
	Conso	lidated	Separate	
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Expenses				
Cost of goods purchased and services				
Subsidiaries	-	-	525,779	568,749
Joint ventures	10,324	6,676	4,752	1,652
Associates	4,006	2,431	15	6
Other related parties	121	178	-	-
Interest expenses				
Subsidiaries	-	-	2,713	2,331
Joint ventures	820	677	28	33
Other expenses				
Subsidiaries	-	-	3,938	4,088
Joint ventures	2,857	311	3	4
Associates	618	112	-	-
Other related parties	114	267	10	16



9.8 Significant purchases and sales of investment properties, property, plant and equipment, right-of-use assets and other intangible assets other than goodwill transactions carried out with related parties

For the years ended 31 December 2024 and 2023

			ļ	Unit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Purchases				
Subsidiaries	-	-	-	43
Joint ventures	471	428	-	-
Other related parties	1	-	-	-
Sales				
Subsidiaries	-	-	1	55

The aforementioned related party transactions exclude transactions carried out with government agencies and state enterprises.

Stipulation prices between the Company and its related parties are based on normal prices for the same types of business transactions carried out with non-related parties.

9.9 Details of commitments to related parties are stated in Note 41.1.



Unit: Million Baht

## 9. Related party transactions (Continued)

#### 9.10 Executive remunerations

For the years ended 31 December 2024 and 2023

				Sind Million Band	
	Conso	Consolidated		Separate	
	financial s	statements	financial s	tatements	
	2024	2023	2024	2023	
Directors remuneration					
Meeting remuneration and bonuses	462	424	77	69	
Managements remuneration					
Salaries, bonuses, and other employee					
benefits	1,193	1,338	100	95	
Post-employment benefits	37	25	2	2	
Total	1,692	1,787	179	166	

Managements are those persons who have authority and responsibility for planning, directing and controlling the activities of an entity, directly or indirectly.

#### 10. Inventories

Inventories as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht	
	Consolidated		Separate		
	financial s	statements	financial s	statements	
	2024	2023	2024	2023	
Oil products	123,363	144,530	19,796	20,424	
Gas products	5,821	6,030	5,365	5,550	
Petrochemicals products	48,548	50,207	243	819	
Others	11,517	14,999	585	585	
	189,249	215,766	25,989	27,378	
Less Allowance for decline in value of					
inventories and obsolescence	(1,916)	(4,767)	(360)	(1,517)	
Total	187,333	210,999	25,629	25,861	

The Fuel Oil Trading Act B.E. 2543 was amended by The Fuel Oil Trading Act (No.2) B.E. 2550 in accordance with Notification of the Department of Energy Business "Determination of Types, Rates, Criteria, Methods, and Conditions for Calculation of Oil Reserves B.E. 2558". This Act prescribes that oil traders under section 7 must reserve crude oil and petroleum products at rates ranging from 1% - 20% of the total production output or imported volume. Inventories - legal reserves as at 31 December 2024 in the consolidated financial statements amounting to Baht 33,796 million (31 December 2023: Baht 33,176 million), and in the separate financial statements amounting to Baht 1,111 million (31 December 2023: Baht 1,106 million). These amounts were net of allowance for net realizable value.

Inventories that are measured at fair value less costs to sell through profit or loss as at 31 December 2024 in the consolidated financial statements amounting to Baht 27,846 million (31 December 2023: Baht 19,139 million) and in the separate financial statements amounting to Baht 18,742 million (31 December 2023: Baht 18,756 million).

#### 11. Supplies

Supplies as at 31 December 2024 and 2023 are as follows:

			Unit: Million Bah		
	Consolidated		Sepa	arate	
	financial statements financial statement		statements		
	2024	2023	2024	2023	
Spare parts, equipment and others	55,605	53,724	6,090	5,888	
Less Allowance for obsolescence	(1,399)	(1,224)	(193)	(132)	
Total	54,206	52,500	5,897	5,756	

## 12. Other current assets

Other current assets as at 31 December 2024 and 2023 are as follows:

			I	Unit: Million Baht		
	Conso	lidated	Sepa	arate		
	financial statements		financial statements financial		financial s	statements
	2024	2023	2024	2023		
Retention & refundable deposits -						
non-financial assets	1,577	795	-	-		
Deferred input VAT	5,355	6,829	2,146	2,585		
Other - non-financial assets	2,982	4,931	-	1		
Total	9,914	12,555	2,146	2,586		

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13.1 Details of other long-term investments in financial assets as at 31 December 2024 and 2023:

Unit: Million Baht

Equity instruments designated at FVOCI include listed and non-listed equity investments which the Group considers these investments to be strategic in nature.

As at 31 December 2024, investment at fair value through other comprehensive income - debt securities are rated in investment grade level.

## 13. Other long-term investments in financial assets (Continued)

13.2 Movements in investment at fair value through profit or loss during the year ended 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht	
	Conso	lidated	Separate		
	financial s	statements	financial s	statements	
	2024	2023	2024	2023	
Book value at the beginning of year	4,675	4,034	448	395	
- Additional investments	66	266	-	124	
- Disposals of investments	(179)	-	(135)	-	
- Fair value adjustment of investments	532	392	(38)	(71)	
- Reclassifications	(70)	-	-	-	
- Exchange differences on translation of					
financial statements	(198)	(17)	-	-	
Total investment at fair value through					
profit or loss at 31 December	4,826	4,675	275	448	

## 13. Other long-term investments in financial assets (Continued)

13.3 Movements in investment at fair value through other comprehensive income during the year ended 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht	
	Conso	lidated	Separate		
	financial s	tatements	financial s	statements	
	2024	2023	2024	2023	
Book value at the beginning of year	41,057	44,441	6,124	7,016	
- Additional investments	2,878	1,887	352	644	
- Disposals of investments	(2,741)	(1,785)	(233)	(12)	
- Fair value adjustment of investments	3,470	(3,319)	(1,151)	(1,524)	
- Reclassifications	97	-	-	-	
- Exchange differences on translation of					
financial statements	(280)	(167)	-	-	
Total investment at fair value through other					
comprehensive income at 31 December	44,481	41,057	5,092	6,124	

13.4 Movements in investment at amortized cost during the year ended 31 December 2024 and 2023 are as follows:

				Sint: Million Bant	
	Consolidated		Separate		
	financial s	statements	financial s	statements	
	2024	2023	2024	2023	
Book value at the beginning of year	-	5,618	-	5,618	
- Additional investments	5,790	350	5,790	350	
- Loss on exchange rates	-	(50)	-	(50)	
- Amortized (premium) discount	4	(8)	4	(8)	
- Reclassifications	(2,808)	(5,910)	(2,808)	(5,910)	
Total investment at amortized cost at					
31 December	2,986	-	2,986	-	

#### Unit: Million Baht



14.1 Details of subsidiaries and joint operations of the subsidiaries

Company name	Country of	Business	Owne	ership
	Incorporation		inte	erest
			(0	%)
			2024	2023
Subsidiaries of PTTEP Group:				
PTTEP International Limited (PTTEPI)	Thailand	Petroleum	100.00	100.00
PTTEP Offshore Investment Company Limited	Cayman	Petroleum	100.00	100.00
(PTTEPO)	Islands			
PTTEP Southwest Vietnam Company Limited	Cayman	Petroleum	100.00	100.00
(PTTEP SV)	Islands			
PTTEP Kim Long Vietnam Company Limited	Cayman	Petroleum	100.00	100.00
(PTTEP KV)	Islands			
PTTEP Hoang-Long Company Limited	Cayman	Petroleum	100.00	100.00
(PTTEP HL)	Islands			
PTTEP Hoan-Vu Company Limited (PTTEP HV)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP Algeria Company Limited (PTTEP AG)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP Services Limited (PTTEP Services)	Thailand	Human resource support	100.00	100.00
PTTEP Siam Limited (PTTEPS)	Thailand	Petroleum	100.00	100.00
PTTEP Holding Company Limited (PTTEPH)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP Indonesia Company Limited (PTTEP ID)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP Africa Investment Limited (PTTEP AI)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP South Asia Limited (PTTEP SA)	Cayman	Petroleum	100.00	100.00
	Islands			
PTTEP Australia Perth Pty Limited (PTTEP AP)	Australia	Petroleum	100.00	100.00
PTTEP International Holding Company Limited	Cayman	Petroleum	100.00	100.00
(PTTEP IH)	Islands			

#### 14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Ownership	
	Incorporation		intere	st (%)
			2024	2023
Subsidiaries of PTTEP Group: (Continued)				
PTTEP Southwest Vietnam Pipeline Company Limited (PTTEP SVPC)	Cayman Islands	Gas transmission pipelines	100.00	100.00
PTTEP Netherland Holding Limited (PTTEP NL)	Cayman Islands	Petroleum	100.00	100.00
JV Marine Limited (JV Marine)	Cayman Islands	Petroleum	100.00	100.00
PTTEP Malunda Limited (PTTEP ML)	Cayman Islands	Petroleum	100.00	100.00
PTTEP Netherlands Coöperatie U.A. (PTTEP NC)	Netherlands	Petroleum	100.00	100.00
PTTEP Canada Limited (PTTEP CA)	Canada	Petroleum	100.00	100.00
PTTEP HK Holding Limited (PTTEP HK)	Hong Kong	Petroleum	100.00	100.00
PTTEP Netherlands Holding Coöperatie U.A. (PTTEP NH)	Netherlands	Petroleum	100.00	100.00
PTTEP Brazil Investment B.V. (PTTEP BI)	Netherlands	Petroleum	100.00	100.00
PTTEP Australia Browse Basin Pty Ltd (PTTEP AB)	Australia	Petroleum	100.00	100.00
PTTEP Australia Timor Sea Pty Ltd (PTTEP AT)*	Australia	Petroleum	100.00	100.00
PTTEP Australasia (Operations) Pty Ltd (PTTEP AAO)	Australia	Petroleum	100.00	100.00
PTTEP Australasia (Ashmore Cartier) Pty Ltd (PTTEP AAA)	Australia	Petroleum	100.00	100.00
PTTEP Australasia (Staff) Pty Ltd (PTTEP AAS)**	Australia	Petroleum	-	100.00
Cove Energy Limited (Cove)	England	Petroleum	100.00	100.00
Cove Energy East Africa Limited (CEEAL)***	Cyprus	Petroleum	100.00	100.00
PTTEP Mozambique Area 1 Limited (PTTEP MZA1)***	Cyprus	Petroleum	100.00	100.00

\* On 1 April 2024, PTTEP AT was approved for deregistration and is currently in the process of dissolution.

\*\* On 2 March 2024, PTTEP AAS has registered its dissolution and the liquidation process has been completed.

\*\*\* As at 31 December 2024, CEEAL has pledged all of its 0.21 million shares in PTTEP MZA1 as collateral with a financial institution.

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTEP Group: (Continued)				
Sinphuhorm Holdings Limited (SHL)	Cayman Islands	Petroleum	100.00	100.00
PTTEP SP Limited (PTTEP SP)	England	Petroleum	100.00	100.00
PTTEP HK Offshore Limited (PTTEP HKO)	Hong Kong	Petroleum	100.00	100.00
PTTEP Treasury Center Company Limited (PTTEP TC)	Thailand	Treasury center for the Group's business	100.00	100.00
PTTEP Business Center Company Limited (PTTEP BC)	Thailand	Petroleum	100.00	100.00
PTTEP Mexico E&P Limited, S. de R.L. de C.V. (PTTEP MEP)	Mexico	Petroleum	100.00	100.00
PTTEP Energy Holding (Thailand) Company Limited (PTTEP EH)	Thailand	Petroleum	100.00	100.00
PTTEP Energy Development Company Limited (PTTEP ED)	Thailand	Petroleum	100.00	100.00
EP-Tech Ventures Holding Company Limited (EP-Tech)	Thailand	Petroleum related Technology	100.00	100.00
AI and Robotics Ventures Company Limited (ARV)	Thailand	Technology	100.00	100.00
PTTEP MENA Limited (PTTEP MENA)	Hong Kong	Petroleum	100.00	100.00
PTTEP Sabah Oil Limited (PTTEP SBO)	Bahamas	Petroleum	100.00	100.00
PTTEP Sarawak Oil Limited (PTTEP SKO)	Bahamas	Petroleum	100.00	100.00
PTTEP Group Holding B.V. (PGH)	Netherlands	Petroleum	100.00	100.00
PTTEP (Kazakhstan) Corporation (PKC)	Cayman Islands	Petroleum	100.00	100.00
PTTEP (Angola) Corporation (PANG)*	Cayman Islands	Petroleum	100.00	100.00
PTTEP Gas Corporation (PGC)	Panama	Petroleum	100.00	100.00
Partex Services Corporation (PSC)	Panama	Human resource support	100.00	100.00
PTTEP Oman E&P Corporation (POC)	Panama	Petroleum	100.00	100.00
Asia Power and Transportation SG Holding Pte. Ltd. (APT)	Singapore	Petroleum related business	100.00	100.00

\* On 24 April 2024, PANG was approved for deregistration and is currently in the process of dissolution.

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of Business		Ownership	
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTEP Group: (Continued)				
Cariva (Thailand) Company Limited (CARIVA)*	Thailand	Technology	85.00	100.00
Delta Gas Transportation SG Holding Pte. Ltd. (DGH)	Singapore	Gas pipeline service	100.00	100.00
Rovula (Thailand) Company Limited (ROVULA)	Thailand	Technology	100.00	100.00
Skyller Solutions Company Limited (SKYLLER)	Thailand	Technology	100.00	100.00
Varuna (Thailand) Company Limited (VARUNA)**	Thailand	Technology	81.82	90.00
Delta Gas Transportation Limited (DGT)	Myanmar	Gas pipeline service	100.00	100.00
FutureTech Energy Ventures Company Limited (FTEV)	Thailand	Renewable energy business and new related business	100.00	100.00
FutureTech Solar (Thailand) Company Limited (FST)	Thailand	Solar energy business	100.00	100.00
Xplor Ventures Company Limited (XPV)	Thailand	Technology and innovation	100.00	100.00
Bedrock Analytics Company Limited (BEDROCK)	Thailand	Technology	100.00	100.00
Bind Systems Company Limited (BIND)	Thailand	Technology	100.00	100.00
S2 Robotics Co., Ltd. (S2)	Thailand	Technology	85.13	85.13
FutureTech SG Pte. Ltd. (FSG)	Singapore	Renewable energy business and new related business	100.00	100.00
PTTEP Joint Ventures Company Limited (PTTEP JV)	Thailand	Petroleum	100.00	-
PTTEP Joint Development Company Limited (PTTEP JD)	Thailand	Petroleum	100.00	-
PTTEP SG HOLDING PTE. LTD. (PTTEP SH)	Singapore	Petroleum	100.00	-
Subsidiaries of PTTNGD Group:				
Amata Natural Gas Distribution Co., Ltd. (AMATA NGD)	Thailand	Natural gas	80.00	80.00

\* On 9 April 2024, CARIVA issued additional ordinary shares with other investors participating. As a result, the Group's shareholding in CARIVA decreased from 100% to 85%. However, CARIVA remains a subsidiary of the Group.

\*\* On 29 March 2024, VARUNA issued additional ordinary shares with other investors participating. As a result, the Group's shareholding in VARUNA decreased from 90% to 81.82%. However, VARUNA remains a subsidiary of the Group.



### 14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Ownership interest (%)	
	Incorporation			
			2024	2023
Subsidiaries of PTTLNG Group:				
PE LNG Co.,Ltd. (PE LNG)*	Thailand	Provide management and	-	100.00
		maintenance services of port,		
		LNG storage and LNG		
		station. Cooling management		
		and other related businesses.		
Subsidiaries of GPSC Group:				
Combined Heat and Power Producing Co., Ltd.	Thailand	Production and distribution of	100.00	100.00
(CHPP)		electricity and chilled		
		water/construction and		
		installation of electricity		
		generating system		
Natee Synergy Co., Ltd. (NSC)	Thailand	Investing in other business	100.00	100.00
IRPC Clean power Co.,Ltd. (IRPCCP)	Thailand	Production and distribution of	51.00	51.00
(The Group holds 100% shareholding)		electricity, steam and water		
		for industrial purpose		
Houay Ho Power Company Limited (HHPC)**	Lao	Production and distribution of	67.25	67.25
		electricity power to EGAT and		
		EDL		
Glow Energy Public Company Limited (GEN)	Thailand	Production and distribution of	99.83	99.83
		electricity		
GPSC Holding (Thailand) Co., Ltd. (GHT)	Thailand	Investing in other business	100.00	100.00
Energy Recovery Unit Co., Ltd. (ERU)	Thailand	Production and distribution of	100.00	100.00
		electricity		

\* On 30 April 2024, PTTLNG sold a 50% shares in its investment in PE LNG to EGAT and reclassified the investment from a subsidiary to a joint venture.

\*\* During 2024, HHPC has repaid the final installment of its long-term loan to the financial institution and completed the process of releasing the collateral.

#### 14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Ownership interest (%)	
	Incorporation			
			2024	2023
Subsidiaries of GPSC Group: (Continued)				
Glow Company Limited (GCO)	Thailand	Consultant management service for related companies	100.00	100.00
Glow SPP 2 Company Limited (GSPP2)	Thailand	Production and distribution of electricity power and steam for industrial	100.00	100.00
Glow SPP 3 Company Limited (GSPP3)	Thailand	Production and distribution of electricity power, steam and water for industrial	100.00	100.00
Glow SPP 11 Company Limited (GSPP11)	Thailand	Production and distribution of electricity power and water for industrial	100.00	100.00
Glow IPP 3 Company Limited (GIPP3)	Thailand	Production and distribution of electricity power, steam and water for industrial	100.00	100.00
Glow IPP 2 Holding Company Limited (GIPP2)	Thailand	Investing in other business	100.00	100.00
Houay Ho Thai Company Limited (HHTC)	Thailand	Investing in other business	49.00	49.00
Glow IPP Company Limited (GIPP)	Thailand	Production and distribution of electricity to EGAT	95.00	95.00
GHECO-One Company Limited (GHECO1)*	Thailand	Production and distribution of electricity power to EGAT	65.00	65.00
Glow Energy Myanmar Company Limited (GEMM)**	Myanmar	Technical consultants for electricity businesses	100.00	100.00
GPSC Treasury Center Company Limited (GPSCTC)	Thailand	Financial service	100.00	100.00
Global Renewable Synergy Company Limited (GRSC)	Thailand	Investing in other business	100.00	100.00
Global Renewable Synergy Company Limited Taiwan (GRSCTW)	Taiwan	Investing in other business	100.00	100.00
BoreePlus Company Limited (BOREEPLUS)	Thailand	Wind power project development	51.00	51.00
EurusPlus Company Limited (EURUSPLUS)	Thailand	Wind power project development	51.00	51.00

\* On 31 December 2024 and 2023, GPSC group had pledged the ordinary shares certificate of GHECO1 as collateral for their long term loans.

\*\* During the fourth quarter of 2022, GEMM has registered its dissolution and currently on the process of liquidation.

## 14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
			2024	2023
Subsidiaries of GPSC Group: (Continued)				
Helios 1 Company Limited (HELIOS1)	Thailand	Production and distribution of electricity	50.00	50.00
Helios 2 Company Limited (HELIOS2)	Thailand	Production and distribution of electricity	50.00	50.00
Helios 3 Company Limited (HELIOS3)	Thailand	Production and distribution of electricity	50.00	50.00
Helios 4 Company Limited (HELIOS4)	Thailand	Production and distribution of electricity	50.00	50.00
Helios 5 Company Limited (HELIOS5)*	Thailand	Production and distribution of electricity	-	50.00
WindPower Development Co.,Ltd. (WPD)	Thailand	Develop electrical energy production projects	51.00	51.00
CoolConnext Company Limited (CCN)	Thailand	Refrigeration and Cooling Business and Supporting Services	51.00	-
Global Renewable Power Co., Ltd. (GRP)**	Thailand	Production, distribution of electricity and management	100.00	-
Global Renewable Power 1 Co.,Ltd. (GRP1)**	Thailand	Investing in other business	100.00	-
Global Renewable Power Operating Co., Ltd. (GRPO)**	Thailand	Provides management and consultancy services for solar power projects.	100.00	-
World X Change Asia Company Limited (WXA)**	Thailand	Production and distribution of electricity	100.00	-
P.P. Solar Company Limited (PPS)**	Thailand	Production and distribution of electricity	100.00	-
N.P.S. Stargroup Company Limited (NPS)**	Thailand	Production and distribution of electricity	100.00	-
Sheng Yang Energy Co., Ltd. (SYE)**	Taiwan	Solar power plant	90.00	-
Global Renewable Power China (Shanghai) Co.,Ltd. (GRPCHINA)**	China	Renewable energy	100.00	-

\* On 26 March 2024, HELIOS5 has registered its dissolution and the liquidation process has been completed.

\*\* On 16 October 2024, PTTGM sold its common shares of GRP (including the subsidiaries of GRP) to the GPSC group.

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of OR Group:				
PTT Retail Management Co., Ltd. (PTTRM)	Thailand	Petrol station and	100.00	100.00
		convenience store		
		management		
PTT Retail Service Co., Ltd. (PTTRS)	Thailand	Human resource	100.00	100.00
		management		
Thai Lube Blending Co., Ltd. (TLBC)	Thailand	Blending and bottling of lube oil	100.00	100.00
PTT Philippines Trading Corporation (PTTTC)	Philippines	Oil marketing	100.00	100.00
PTT Philippines Corporation (PTTPC)	Philippines	Oil marketing	100.00	100.00
PTT (Cambodia) Limited (PTTCL)	Cambodia	Oil marketing	100.00	100.00
PTT (Lao) Co., Ltd. (PTT Lao)	Lao	Oil marketing	100.00	100.00
PTTOR China (Shanghai) Co., Ltd. (PTTOR China)	China	Lube products	100.00	100.00
PTTOR Singapore Pte. Ltd. (PTTORSG)	Singapore	Retail business	100.00	100.00
PTTOR Holdings Company Limited	Thailand	Holding company	100.00	100.00
(ORHOLDCO)				
PTTOR International Holdings (Singapore) Pte. Ltd. (SGHOLDCO)	Singapore	Holding company	100.00	100.00
Modulus Venture Company Limited (MODULUS)	Thailand	Holding company	100.00	100.00
Peaberry Thai Company Limited	Thailand	Coffee and beverage	81.00	81.00
(PEABERRYTHAI)		business		
Care For Car Co., Ltd. (CFC)	Thailand	Online car services	100.00	100.00
ORZON VENTURES, L.P. (ORZON)	United States	Holding company	99.00	99.00
	of America			
Blue Wealth Land 1 Company Limited (BWL1)	Cambodia	Real estate	49.00	49.00
Blue Wealth Land 2 Company Limited (BWL2)	Cambodia	Real estate	49.00	49.00



14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of OR Group: (Continued)				
PTTOR LAO IMPORT AND EXPORT CO., LTD (LAOIMEXCO)	Laos	Oil marketing	100.00	100.00
Happy Nest Space Co., Ltd. (HNS)	Thailand	Human resources management	100.00	-
OR Health & Wellness Co., Ltd. (ORHW)	Thailand	Health and beauty business	100.00	-
OR Vietnam Limited Liability Company (ORVN)	Vietnam	Management consulting services	100.00	-
Subsidiaries of PTTT Group:				
PTT MEA Ltd. (PTTMEA)	United Arab Emirates	International trading	100.00	100.00
Subsidiaries of PTTGC Group:				
PTT Phenol Co., Ltd. (PPCL)*	Thailand	Manufacturing and	100.00	100.00
		distributing petrochemical products		
GC Maintenance & Engineering Co., Ltd. (GCME)	Thailand	, Factory maintenance and engineering services	100.00	100.00
NPC Safety and Environmental Service Co., Ltd. (NPC)	Thailand	Safety and environmental services	100.00	100.00
GC Styrenics Co., Ltd. (GCS)**	Thailand	Manufacturing and distributing petrochemical products	100.00	100.00
PTTGC International (Netherlands) B.V. (GCINTERNL)	Netherlands	Holding and operating international business	100.00	100.00
GC Glycol Co., Ltd. (Glycol)**	Thailand	Manufacturing and distributing petrochemical products	100.00	100.00

\* During the year ended 31 December 2024, PPCL has been in the process of liquidation.

\*\* During the year ended 31 December 2022, PTTGC acquired the entire business transfer of GCS and Glycol, both subsidiaries are in the process of liquidation.

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGC Group: (Continued)				
Global Green Chemicals Plc. (GGC)	Thailand	Manufacturing, distributing	72.29	72.29
		and transport oleochemical		
		products		
Solution Creation Co., Ltd. (SOLUTIONCRE)	Thailand	Manufacturing and	100.00	100.00
		distributing petrochemical		
		products and health and		
		nutrition products		
PTTGC International Private Limited (GC Inter)	Singapore	Holding and operating	100.00	100.00
		international business		
GC Oxirane Co., Ltd. (GCO)*	Thailand	Manufacturing and	100.00	100.00
		distributing petrochemicals		
		products		
GC Polyols Co., Ltd. (GCP)	Thailand	Manufacturing and	82.10	82.10
		distributing petrochemicals		
		products		
GC Treasury Co., Ltd. (GCTC)	Thailand	Financial service	100.00	100.00
		management for the group		
GC Marketing Solutions Co., Ltd. (GCM)	Thailand	Investing in international	100.00	100.00
		business		
GC International Corporation (GCI)	United States	Holding and operating	100.00	100.00
	of America	international business		
Thai Fatty Alcohols Co., Ltd. (TFA)	Thailand	Manufacturing and	100.00	100.00
		distributing biochemical		
		products		

\* During the year ended 31 December 2024, GCO has been in the process of liquidation.

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGC Group: (Continued)				
GC America Sustainability Corporation (GCAS)	United States	Research and development	100.00	100.00
	of America	of bio-based chemicals		
PTTGC America Corporation (AMERICACORP)	United States	Holding and operating	100.00	100.00
	of America	international business		
PTTGC America LLC (AMERICALLC)	United States	Petrochemical	100.00	100.00
	of America			
NPC S&E Security Guard Co., Ltd. (NPCSG)	Thailand	Safety services	100.00	100.00
Vencorex (Thailand) Co., Ltd. (VENCOREXTH)	Thailand	Manufacturing and	100.00	100.00
		distributing chemical		
		specialties		
Vencorex France S.A.S. (VCF)	France	Manufacturing and	100.00	100.00
		distributing chemical		
		specialties		
Vencorex Holding (VCR)	France	Manufacturing and	100.00	100.00
		distributing chemical		
		specialties		
GCM Polymer Trading DMCC (GCM DMCC)	United Arab	Distributing polymer products	100.00	100.00
	Emirates	and other polymers-related		
		products		
GC Marketing Solutions Vietnam Company Ltd.	Vietnam	Distributing polymer products	100.00	100.00
(GCM Vietnam)		and other polymers-related		
		products		
GC Estate Co., Ltd. (GCEC)	Thailand	Real estate development for	100.00	100.00
		rent and to invest in		
		petrochemical and related		
		industries		

Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
			2024	2023
Subsidiaries of PTTGC Group: (Continued)				
GC Ventures Co., Ltd. (GCV)	Thailand	Invest in form of Corporate	100.00	100.00
		Venture Capital (CVC)		
GC Ventures America Corporation (GCVA)	United States	Invest in form of Corporate	100.00	100.00
	of America	Venture Capital (CVC) outside		
		Thailand		
GC Marketing Solutions Myanmar Company	Myanmar	Distributing polymer products	100.00	100.00
Limited (GCM Myanmar)		and other polymers-related		
		products		
GC-M PTA Company Limited (GCMPTA)	Thailand	Manufacturing and	74.00	74.00
		distributing petrochemical		
		products		
Thai PET Resin Co., Ltd. (TPRC)	Thailand	Manufacturing and	84.40	84.40
		distributing petrochemical		
		products		
GGC Biochemicals Co., Ltd. (GGC Biochemicals)	Thailand	Holding and operating in	100.00	100.00
		Thailand		
PT GCM Marketing Solutions Indonesia	Indonesia	Distribution of polymers	100.00	100.00
(GCMINDONESIA)		products and other polymers-		
		related products		
ENVICCO Limited (ENVICCO)	Thailand	Production, Distribution and	70.00	70.00
		development of Recycle		
		Polyethylene terephthalate		
GC Marketing Solutions (Shanghai) Company	China	Retail business	100.00	100.00
Limited (GCM CHINA)				

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGC Group: (Continued)				
Allnex Holding GmBH (ALLNEX)	Germany	Manufacturing and sales of industrial coatings and additives	100.00	100.00
Allnex (Thailand) Ltd. (ALLNEXTH)	Thailand	Chemical	94.96	94.96
Allnex Austria GmbH (ALLNEXAUSTRIA)	Austria	Chemical	100.00	100.00
Allnex Belgium SA/NV (ALLNEXBELGIUM)	Belgium	Chemical	100.00	100.00
Allnex Malaysia Sdn Bhd (ALLNEXMALAYSIA)	Malaysia	Chemical	100.00	100.00
Allnex Australia Pty. Ltd (ALLNEXAUSTRALIA)	Australia	Chemical	100.00	100.00
PT Allnex Resins Indonesia (PTALLNEXRESINS)	Indonesia	Chemical	80.00	80.00
Subsidiaries of TOP Group:				
Thai Paraxylene Co., Ltd. (TPX)	Thailand	Paraxylene manufacturing and distribution	100.00	100.00
Thai Lube Base Public Company Limited (TLB)	Thailand	Lube base oil refining and distribution	100.00	100.00
Thaioil Ethanol Co., Ltd. (TET)	Thailand	Investment in ethanol business and alternative energy products	100.00	100.00
Thaioil Energy Services Co., Ltd. (TES)	Thailand	Providing human resource management	100.00	100.00
Thaioil Solvent Co., Ltd. (TOS)	Thailand	Investment in solvent and chemical businesses	100.00	100.00
TOP SPP Co., Ltd. (TOPSPP)	Thailand	Power and steam generation and distribution	100.00	100.00
Thaioil Treasury Center Co., Ltd. (TTC)	Thailand	Treasury center for the Group's business	100.00	100.00
Sapthip Co., Ltd. (SAPTHIP)	Thailand	Ethanol products manufacturing and distribution	50.00	50.00
TOPNEXT International Company Limited (TX)	Thailand	Distribution of solvent and chemical products	100.00	100.00

Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
			2024	2023
Subsidiaries of TOP Group: (Continued)				·
Sak Chaisidhi Co., Ltd. (SAKC)	Thailand	Solvent and chemical products manufacturing and distribution	80.52	80.52
TOP Solvent (Vietnam) LLC. (TSV)	Vietnam	Distribution of solvent and chemical products	100.00	100.00
LABIX Co., Ltd. (LABIX)	Thailand	Linear Alkyl Benzene manufacturing and distribution	75.00	75.00
Sapthip Green Energy Co., Ltd. (SGE)	Thailand	Biogas power generation and distribution	100.00	100.00
PT.Tirta Surya Raya (PTSR)	Indonesia	Distribution of solvent and chemical products	77.71	77.71
TOP Venture Company Limited (TVT)	Thailand	Invest in Corporate Venture Capital (CVC) and/or Startups business	100.00	100.00
TOP Ventures Hong Kong Limited (TVHK)	Hongkong	Invest in Corporate Venture Capital (CVC) and/or Startups business	100.00	100.00
TOP Ventures America LLC (TVUSLLC)	United States of America	Invest in Corporate Venture Capital (CVC) and/or Startups business	100.00	100.00
PT TOP Investment Indonesia (TII)	Indonesia	Invest in petrochemicals and olefins products	100.00	100.00
TOPNEXT India Private Limited (TXIN)	India	Distribution of solvent and chemical products	100.00	100.00
JSKEM Private Limited (JSKEM)	Singapore	Distribution of solvent and chemical products	60.00	60.00
Subsidiaries of IRPC Group:		·		
IRPC A&L Company Limited (IRPCAL)	Thailand	Distributing petrochemical products	57.48	57.48
IRPC Oil Company Limited (OIRPC)	Thailand	Sales of oil products and gas	100.00	100.00
Rak Phasak Company Limited (RAKPHASAK)	Thailand	Oil vessel renting and fertilizer manufacturing and distribution	100.00	100.00

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
			2024	2023
Subsidiaries of IRPC Group: (Continued)				
IRPC Technology Company Limited (TECHIRPC)	Thailand	Vocational school	100.00	100.00
I-polymer Company Limited (IPOL)	Thailand	Distributing plastic resin and chemical products via E- Commerce system	55.00	55.00
Innopolymed Company Limited (IMD) (The Group holds 100% shareholding)	Thailand	Manufacturing and trading of non-woven fabrics and medical consumables	60.00	60.00
Subsidiaries of PTTGM Group:				
PTT International Holding Limited (PTTIH)	Hong Kong	Holding company	100.00	100.00
PTT International Investment Limited (PTTII)*	Hong Kong	Holding company	-	100.00
Global Management Holding Co., Ltd. (GMH)	Thailand	Holding company	100.00	100.00
Siam Management Holding Co., Ltd. (SMH)	Thailand	Holding company	100.00	100.00
ExpresSo NB Co.,Ltd. (EXPRESSONB) (Former : Alpha Com Co., Ltd. (ALPHACOM))	Thailand	Develop prototype	100.00	100.00
Swap and Go Co., Ltd. (SWAPANDGO)	Thailand	Battery swap	100.00	100.00
Innobic (Asia) Company Limited (INBA)	Thailand	Life science	100.00	100.00
Innobic LL Holding Company Limited (INBL)	Thailand	Holding company	100.00	100.00
Global Renewable Power Co., Ltd. (GRP)**	Thailand	Holding company	-	50.00
Global Renewable Power 1 Co.,Ltd. (GRP1)**	Thailand	Holding company	-	100.00
Global Renewable Power Operating Co., Ltd. (GRPO)**	Thailand	Operation service and solar power plant consultant	-	100.00
World X Change Asia Company Limited (WXA)**	Thailand	Production and distribution of electricity	-	100.00
P.P. Solar Company Limited (PPS)**	Thailand	Production and distribution of electricity	-	100.00

\* On 21 June 2024, PTTII was liquidated and closed.

\*\* On 16 October 2024, PTTGM sold its common shares of GRP (including the subsidiaries of GRP) to the GPSC group.

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGM Group: (Continued)				
N.P.S. Stargroup Company Limited (NPS)*	Thailand	Production and distribution of electricity	-	100.00
MEKHA V Co., Ltd. (MEKHAV)	Thailand	Public Cloud, Migration service and Maintenance	100.00	100.00
ARUN PLUS Co., Ltd. (ARUNPLUS)	Thailand	Stations and chargers for electric vehicles.	100.00	100.00
Sheng Yang Energy Co., Ltd. (SYE)*	Taiwan	Solar power plant	-	90.00
EVME PLUS CO., LTD (EVME)	Thailand	Dealer, rent and sell electric vehicles	100.00	100.00
NEW VER SAL CO., LTD. (NEWVERSAL) (Former : REACC Co., Ltd. (REACC))	Thailand	Clean energy and climate neutrality services	100.00	100.00
T-ECOSYS Company Limited(T-ECOSYS)	Thailand	Industrial Digital Platform	100.00	100.00
Nuovo Plus Co., Ltd. (NUOVOPLUS) (The Group holds 100% shareholding)	Thailand	Manufacture and sale of Lithium Ion batteries	51.00	51.00
Aztiq II HoldCo Limited (AZTIQIIHOLDCO)	Hongkong	Generic Drug Manufacturers and Traders of Drugs and Patents	100.00	77.08
Aztiq II Bidco Limited (AZTIQIIBIDCO)	Hong Kong	Holding company	100.00	100.00
Alvogen Emerging Markets Holdings Limited (ALVEMH)	Hong Kong	Holding company	100.00	100.00
Lotus Pharmaceutical Co., Ltd. (LOTUSTW)**	Taiwan	Holding company	37.69	47.83
Avos Pharma Science Co., Ltd. (AVOSTW)	Taiwan	R&D, manufacturing and sales of generic pharmaceutical products	100.00	100.00
Lotus Japan Holdings Co., Ltd. (LOTUSJP)	Japan	R&D, manufacturing and sales of generic pharmaceutical products	100.00	100.00
Lotus International Pte. Ltd. (LOTUSSG)	Singapore	Holding company	100.00	100.00
Alvogen (Thailand) Ltd. (ALVTH)	Thailand	Holding company and sale of medicine	100.00	100.00

\* On 16 October 2024, PTTGM sold its common shares of GRP (including the subsidiaries of GRP) to the GPSC group.

\*\* On 17 July 2024, ALVEMH sold its investment in LOTUSTW to the Aztiq HK Group, resulting in a change in the ownership interest from 47.83% to 37.69%.

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGM Group: (Continued)				·
Lotus Healthcare Philippines Corp. (LOTUSPH)	Philippines	Holding company and sale of medicine	100.00	100.00
Lotus Healthcare Malaysia Sdn. Bhd. (LOTUSMY)	Malaysia	Holding company and sale of medicine	100.00	100.00
Lotus Pharmaceutical, HK Limited (LOTUSHK)	Hong Kong	Holding company and sale of medicine	100.00	100.00
Lotus Pharmaceutical (Shanghai) Health Management Consulting Limited (LOTUSSH)	China	Data collection and agent services in Hong Kong	100.00	100.00
Lotus Pharma ehf (LOTUSIS)	Iceland	Holding company and sale of medicine	100.00	100.00
Lotus Pharma Bulgaria EOOD (LOTUSBG)	Bulgaria	Holding company and sale of medicine	100.00	100.00
Lotus Alvogen Malta Ltd. (LOTUSMT)	Malta	Holding company and sale of medicine	100.00	100.00
Lotus Support Services SRL (LOTUSRO)	Romania	Holding company and sale of medicine	100.00	100.00
Alvogen Korea Holdings Ltd. (ALVKRH)	South Korea	Holding company and sale of medicine	100.00	100.00
Alvogen Korea Co. Ltd. (ALVKR)	South Korea	Holding company	100.00	100.00
Alvogen Pharma (India) Pvt. Ltd. (ALVIN)	India	Holding company	100.00	100.00
Norwich Clinical Services Pvt. Ltd. (NCSIN)	India	Holding company	100.00	100.00
Alvogen Malta (Out-Licensing) Holding Ltd. (ALVOLH)*	Malta	Holding company	-	100.00
Alvogen Malta Shared Services Limited (AMSS)*	Malta	Holding company	-	100.00
Adalvo Limited (ADALVOMT)*	Malta	Holding company	-	100.00
Adalvo Competence Center SRL (ADALVORO)*	Romania	Acquisition and licencing of pharmaceutical intelectual property and sale of pharmaceuticals and medicinal chemical products	-	100.00

\* The Group's sale of its investment in ALVOLH was completed on 17 January 2024.

## 14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	est (%)
			2024	2023
Subsidiaries of PTTGM Group: (Continued)				
Adalvo EOOD (ADALVOBG)*	Bulgaria	Acquisition and licencing of pharmaceutical intelectual property and sale of pharmaceuticals and medicinal chemical products	-	100.00
Alvogen Spain SL (ALVES)*	Spain	Holding company	-	100.00
Adalvo UK Ltd. (ADALVOUK)*	England	Holding company	-	100.00
Alvogen Austria GmbH (ALVAT)*	Austria	Holding company	-	100.00
Adalvo India Private Limited (ADALVOIN)*	India	Holding company	-	100.00
Alvogen Holding (Thailand) Ltd. (ALVTHH)	Thailand	Holding company	100.00	100.00
Alvogen Hong Kong Limited (ALVHK)	Hong Kong	Holding company	100.00	100.00
P-DICTOR Co., Ltd. (P-DICTOR)	Thailand	Predictive Maintenance and Machine Monitoring AI for Industrial Solution	100.00	100.00
Innobic Nutrition Co., Ltd. (INNT)	Thailand	Nutrition	100.00	100.00
Global Multimodal Logistics Company Limited (GML)	Thailand	Logistics	100.00	100.00
PTT Global LNG Company Limited (PTTGL)	Thailand	LNG business	100.00	100.00
PTTGL Investment Limited (PTTGLI)	Hong Kong	Investing in LNG business	100.00	100.00
GPSC Singapore PTE. LTD (GPSCSG)	Singapore	Holding company	100.00	100.00
MEISHI PHARMA SERVICES PRIVATE LIMITED (MEISHIIN)	India	R&D, manufacture and sale of pharmaceutical products	100.00	100.00
Meishi Pharma Service Pte. Ltd. (MEISHISG)	Singapore	R&D, manufacture and sale of pharmaceutical products	100.00	100.00
Global Renewable Power China (Shanghai) Co.,Ltd. (GRPCHINA)**	China	Renewable energy	-	100.00

\* The Group's sale of its investment in ALVOLH was completed on 17 January 2024.

\*\* On 16 October 2024, PTTGM sold its common shares of GRP (including the subsidiary's GRP) to the GPSC group.



Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
		priporation       interest (%         2024       2         and       Assembling batteries using technology       100.00         and       The business of manufacturing electronic circuit boards       51.00         and       A holding company to engage in the electric vehicle distribution business       100.00         and       A holding company to electric vehicle distribution business       100.00         and       Authorized dealer of Zeekr       100.00         and       Authorized dealer of XPENG       100.00         and       Sale of pharmaceutical products       100.00         and       Sale of pharmaceutical products       100.00         and       Management services for PTTGE Group       100.00       10         and       Football club management       100.00       10	2023	
Subsidiaries of PTTGM Group: (Continued)				
A C Energy Solution Co., Ltd. (ACE)	Thailand		interest ( 2024 2 sembling batteries using hnology business of 51.00 furfacturing electronic buit boards olding company to 100.00 gage in the electric vehicle tribution business ctric vehicle distribution 50.00 horized dealer of Zeekr 100.00 ctric vehicles importer of XPENG 100.00 ctric vehicles ding company 100.00 tric vehicles 100.00 tric vehicles ding company 100.00 tric vehicles 100.00 tric	-
FT1 Corporation Co., Ltd. (FT1)	Thailand	interest (20242Assembling batteries using technology100.00The business of manufacturing electronic circuit boards51.00A holding company to engage in the electric vehicle distribution business100.00Electric vehicle distribution electric vehicles50.00Authorized dealer of Zeekr electric vehicles100.00Authorized dealer of XPENG electric vehicles100.00Authorized dealer of XPENG electric vehicles100.00Authorized dealer of XPENG electric vehicles100.00Sale of pharmaceutical products100.00Management services for PTTGE Group100.00Football club management100.00	-	
Arun Plus Mobility Holding Co., Itd. (AMH)	Thailand	engage in the electric vehicle	interest (%) 2024 2023 2024 2023 2024 2023 2024 2023 2024 2023 2025 2025 2026 2026 2026 2026 2026 2026 2026 2026 2027 2028 202	-
Neo Mobility Asia Co., Itd. (NMA)	Thailand	Electric vehicle distribution		-
ZE MOBILITY PLUS CO., LTD. (ZMP)	Thailand			-
X MOBILITY (THAILAND) CO., LTD. (XM)	Thailand	•		-
X Mobility Plus Co., Itd. (XMP)	Thailand	-		-
EXPRESSO NB SG PTE.LTD. (EXPRESSONB SG)	Singapore	Holding company		-
Teva Pharma (Thailand) Co. LTd (TEVAPHARMATH) Subsidiaries of PTTGE Group:	Thailand			-
PTT Green Energy (Thailand) Co., Ltd. (PTTGE TH)	Thailand	-		100.00
Subsidiaries of BSA Group:				
Sport Services Alliance Co., Ltd. (SSS)	Thailand	Football club management		100.00
Business Professional Solutions Recruitments Co., Ltd. (BPS)	Thailand	202420.Assembling batteries using technology100.00-The business of manufacturing electronic circuit boards51.00-A holding company to engage in the electric vehicle distribution business100.00-Electric vehicle distribution50.00-Authorized dealer of Zeekr electric vehicles100.00-Authorized dealer of XPENG electric vehicles100.00-Authorized dealer of XPENG electric vehicles100.00-Authorized dealer of XPENG products100.00-Sale of pharmaceutical products100.00-Management services for PTTGE Group100.00100Football club management100.00100	100.00	

14.1 Details of subsidiaries and joint operations of the subsidiaries (Continued)

Company name	Country of	Business	Owne	ership
	Incorporation		intere	st (%)
			2024	2023
Joint operations of PTTEP Group:				
Carigali - PTTEPI Operating Company Sdn. Bhd. (CPOC)	Malaysia	Petroleum	50.00	50.00
Moattama Gas Transportation Company (MGTC)*	Bermuda	Gas pipeline transportation	62.96	37.08
Orange Energy Limited (Orange)	Thailand	Petroleum	53.95	53.95
B8/32 Partners Limited (B8/32 Partners)	Thailand	Petroleum	25.00	25.00
Andaman Transportation Limited (ATL)	Cayman Islands	Gas pipeline transportation	80.00	80.00
Groupement Bir Seba (GBRS)	Algeria	Petroleum	35.00	35.00
Natuna 2 B.V. (Natuna)	Netherlands	Petroleum	50.00	50.00
Hoang-Long Joint Operating Company (HL JOC)	Vietnam	Petroleum	28.50	28.50
Hoan-Vu Joint Operating Company (HV JOC)	Vietnam	Petroleum	25.00	25.00
Petroleum Development Oman LLC (PDO)	Oman	Petroleum	2.00	2.00
Abu Dhabi Gas Industries Limited (AGP)	United Arab Emirates	Petroleum	2.00	2.00
Private Oil Holdings Oman Limited (POHOL)	England	Petroleum	5.00	5.00
Petroleum Development Oman Services LLC (PDOS)	Oman	Petroleum	2.00	2.00
Groupement Hassi Bir Rekaiz (GHBR)	Algeria	Petroleum	49.00	49.00

\* Chevron Global Ventures, Ltd., a shareholder of MGTC with a participating interest of 41.10%, decided to withdraw all investments. As a result, from 1 April 2024 onwards, PTTEPO, an operator increased the participating interest to 62.96% in MGTC. The withdrawal processes were subsequently fulfilled on 5 April 2024.

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14.2 Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023

Company name	Country of	Business			Consc	Consolidated financial statements	ncial stateme	ents	Unit: N	Unit: Million Baht
	Incornoration		Ownership interest	n interact	Cost mathod	bodt	E cuity o	pothod	Dividende income	
			Ownersnip (%)	b Interest			Equity Inerriod	IEIII00	DIMUEILIUS	
			2024	2023	2024	2023	2024	2023	2024	2023
Joint Ventures										
The Company										
Trans Thai-Malaysia (Thailand) Co., Ltd. (TTM(T))	Thailand	Natural gas	50.00	50.00	3,172	3,172	3,893	3,818	772	771
Trans Thai-Malaysia (Malaysia) Sdn. Bhd. (TTM(M))	Malaysia	Natural gas	50.00	50.00	1,001	1,001	914	901	48	83
District Cooling System and Power Plant Co., Ltd.	Thailand	Generation and supply of electricity and chilled	35.00	35.00	585	585	781	767	70	70
(DCAP)		water								
Veolia Sustainable Solution (Thailand) Co.,Ltd. (VSS)	Thailand	Hazardous waste management plant	40.00	40.00	23	23	5	5	'	
PTTEP Group										
Erawan 2 FSO Bahamas Limited (Erawan 2)	Singapore	FSO rental services	13.11	13.11	517	520	865	266	166	178
APICO LLC (APICOLLC)	United States	Petroleum	72.82	72.82	3,103	4,570	3,150	3,326	770	405
	of America									
Oman LNG LLC (OLNG)	Oman	Petroleum	2.00	2.00	2,850	2,865	163	560	937	1,151
ATI Technologies Co., Ltd. (ATI)	Thailand	Technology	50.00	50.00	10	10	I	I	I	I
Zeaquest Co., Ltd. (ZEAQUEST)	Thailand	Technology	50.00	50.00	77	77	19	61	'	ı
AeroSky (Thailand) Company Limited (AEROSKY)	Thailand	Technology	33.00	33.00	10	10	-	-	ı	ı
B-MED X Company Limited (BMEDX)	Thailand	Technology	50.00	50.00	10	10	3	5	ı	I
SkyVIV Company Limited (SKYVIV)	Thailand	Technology	23.20	23.20	20	20	14	17	ı	ı
NILA Solutions Company Limited (NILA)	Thailand	Technology	50.00	50.00	10	10	9	10	ı	ı
Green Aranya Co., Ltd. (GARY)	Thailand	Technology	10.00	10.00	200	200	195	200	ı	I
Renewable Energy Seagreen Holdco Limited (RESH)	England	Renewable energy and new business	50.00		3,202	I	2,626	ı	53	

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Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023 (Continued) 14.2

Company name	Country of	Business			Conse	Consolidated financial statements	cial stateme	ents		5
	Incorporation		Ownership interest (%)	p interest	Cost method	ethod	Equity method	lethod	Dividends income	income
			2024	2023	2024	2023	2024	2023	2024	2023
Joint Ventures (Continued)										
PTTLNG Group										
PE LNG Co.,Ltd. (PE LNG)*	Thailand	Provide management and maintenance	50.00	,	14,399	1	11,306	1	ı	·
		services of port, LNG storage and LNG station.								
		Cooling management and other related								
		businesses.								
GPSC Group										
Thai Solar Renewable Co., Ltd. (TSR)	Thailand	Holding company	40.00	40.00	1,697	1,697	1,366	1,394	139	414
Nam Lik 1 Power Co., Ltd. (NL1PC)	Laos	Generate and supply electricity	40.00	40.00	494	494	818	839	I	ı
Nava Nakorn Electricity Generating Co., Ltd. (NNEG)	Thailand	Generate and supply electricity	30.00	30.00	638	638	853	734	I	
PTTGC Group										
Thai Ethoxylate Co., Ltd. (TEX)	Thailand	Manufacturing and distributing of chemical	50.00	50.00	210	210	802	687	11	32
NatureWorks LLC (NTR)	United States	Manufacturing and distributing of bioplastic	50.00	50.00	4,793	4,793	4,049	4,518	I	·
	of America	products								
PTT MCC Biochem Co., Ltd. (PTTMCC)	Thailand	Manufacturing and distributing of bioplastic	50.00	50.00	1,836	1,836	640	849	I	
PTT Asahi Chemicals Co., Ltd. (PTTAC)	Thailand	Petrochemicals	50.00	50.00	6,909	6,909	I	9,450	I	
HMC Polymers Co., Ltd. (HMC)	Thailand	Petrochemicals	41.44	41.44	9,117	9,117	8,125	9,681	I	
GGC KTIS Bioindustrial Company Limited (GKBI)	Thailand	Manufacturing and distributing of electricity	50.00	50.00	1,657	1,550	678	1,266	I	ı
		and ethanol from sugarcane								
Revolve Group Limited (RGL)	England	Manufacturing and distributing of chemical	49.00	49.00	270	270	199	270		

\* On 30 April 2024, PTTLNG sold a 50% shares in its investment in PE LNG to EGAT and reclassified the investment from a subsidiary to a joint venture.

Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023 (Continued) 14.2

										Unit: N	Unit: Million Baht
Company name	Country of	Business				Conse	Consolidated financial statements	ncial statem	ents		
	Incorporation		0	Ownership interest	interest	Cost method	ethod	Equity method	nethod	Dividends income	income
				(%)	(						
				2024	2023	2024	2023	2024	2023	2024	2023
Joint Ventures (Continued)											
PTTGC Group (Continued)											
Emery Oleochemicals UK Ltd. (EOMUK)	England	Manufacturing and distributing of biochemical		50.00	50.00	2,141	2,141	3,141	3,096	'	
ENTIS Co., Ltd. (ENTIS)	South Korea	Manufacturing and distributing of industrial		50.00	50.00	203	203	199	174	I	'
		coating products and additives									
Synthese (Thailand) Co., Ltd. (SYNTHESE)	Thailand	Manufacturing and distributing of industrial		47.50	47.50	519	519	482	494	47	29
		coating products and additives									
Thai Tank Terminal Limited (TTT)	Thailand	Storage and loading Liquid chemicals, oil and		36.43	36.43	459	459	2,619	2,687	350	1,002
		gas									
WHA GC Logistics Company Limited (WGCL)	Thailand	Logistics, warehouse management and		50.00	50.00	819	819	4,063	3,973	I	,
(Former : GC Logistics Solutions Co., Ltd. (GCL))		polyethylene resin containment									
IRPC Group											
IRPC Polyol Co., Ltd. (IRPCP)	Thailand	Manufacturing and sales of chemical products		50.00	50.00	185	185	102	89	I	
		for polyurethanes									
WHA Industrial Estate Rayong Co., Ltd. (WHA IER)	Thailand	Industrial estate development	4	40.00	40.00	320	320	385	304	320	ı
Mytex Polymers (Thailand) Co., Ltd. (MYTEX)	Thailand	Manufacturing and distributing of chemical		50.00	50.00	350	350	357	349	7	18
Vajira Lab for Society Co., Ltd. (VLS)	Thailand	Analysis and certify medical equipments services		50.00	50.00	14	14	11	11	I	ı
Cleantech and Beyond Company Limited	Thailand	Manufacture chemical products		27.28		4	ı	4		I	'
(CLEANTECH) (Subsidiary of VISUP)											

14.2 Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023 (Continued)

Company name	Country of	Business			Cons	Consolidated financial statements	icial stateme	ents		
	Incorporation		Ownership interest	p interest	Cost method	ethod	Equity method	lethod	Dividends income	income
			(%)	()						
			2024	2023	2024	2023	2024	2023	2024	2023
Joint Ventures (Continued)										
PTTGM Group										
OGP Energy Solutions Company Limited (OGPS)	Thailand	Energy management and energy-related services	40.00	40.00	60	60	51	43	ı	
PTT RAISE Co., Ltd. (PTTRAISE)	Thailand	Robotics and AI engineering	50.00	50.00	50	25	35	15	ı	
PTT and TGES Optec Company Limited (OPTEC)	Thailand	One-stop total improving efficiency technology	51.00	51.00	31	31	12	18	I	
		solutions								
Nutra Regenerative Protein Co., Ltd. (NRPT)	Thailand	Production and distribution of alternative	50.00	50.00	169	169	110	148	ı	
		protein								
Horizon Plus Company Limited (HPLUS)	Thailand	Manufacture of parts and assemblies of electric	60.00	60.00	6,353	6,353	6,115	6,169	I	,
		vehicles								
B.GRIMM POWER LNG JV LIMITED (BGPLNGJV)	Thailand	LNG	50.00	50.00	13	13	9	9	I	
NV Gotion Company Limited (NVGOTION)	Thailand	Produce and sale of batteries	51.00	51.00	383	383	375	368	I	
Renex Technology Co., Ltd. (RENEX)	Thailand	Develop and provide an electricity trading	33.33	33.33	63	63	55	62	I	
		platform								
Aionex Co., Ltd. (AIONEX)	Thailand	Distribute, produce and provide battery	51.00	51.00	156	156	116	154	1	
		switching services for 2-wheel electric vehicles.								
FutureCycle Co., Ltd. (FTRC)	Thailand	The business involves the manufacturing,	50.00		10		6	•	1	
		designing, and selling of products made from								
		surplus materials.								

Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023 (Continued) 14.2

Ownership interest
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Oil marketing and retail business
Depot and wholesale of petroleum
Information Technology and computer services
Airport refueling services system
tal platform for health and beauty
Developing and managing rest areas

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14.2 Details of investments in joint ventures in the consolidated financial statements as at 31 December 2024 and 2023 (Continued)

	Country of	Business			Cons	Consolidated financial statements	ncial stateme	ents		
lno	Incorporation		Ownershi	Ownership interest	Cost method	ethod	Equity method	nethod	Dividends income	income
			(%)	(0)						
			2024	2023	2024	2023	2024	2023	2024	2023
Thailand		Production and distribution of industrial gas	51.00	51.00	179	179	444	398	10	63
Thailand		Select research and researchers in VISTEC and	55.55	55.55	50	50	29	50	'	,
		invest in high-tech startup companies								
					73,495	57,039	63,459	62,563		
					(3,154)	(549)	(821)	(305)		
					70,341	56,490	62,638	62,258	3,711	4,216

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14.3 Details of investments in associates in the consolidated financial statements as at 31 December 2024 and 2023

Unit: Million Baht		ncome		2023					,		ı			ı	123	80			ı	ı	ı		ı
Unit: Mil		Dividends income		2024			ı	ı	ı		ı			68	187	17			ı	ı	ı		1
-	ents	nethod		2023			189	22	1,246		15			937	8,751	356			20,632	13,821	411		~
-	ncial stateme	Equity method		2024			189	19	1,548		41			976	8,944	358			19,934	13,101	369		-
9	Consolidated financial statements	bothed		2023			51	149	1,345		15			924	6,994	339			21,888	14,565	442		-
Ċ	Conse	Cost method		2024			51	129	1,690		41			924	6,994	339			24,225	14,565	442		~
		o interest		2023			50.00	32.00	8.50		11.00			25.00	25.00	33.33			42.93	25.00	25.00		25.00
		Ownership interest	(%)	2024			50.00	32.00	8.50		11.00			25.00	25.00	33.33			42.93	25.00	25.00		25.00
	Business						Airbase services	Air transportation	Petroleum		Renewable energy business and related new	businesses		Generate and supply electricity	Generate and supply electricity	Studying, generating and supply electricity for	industrial use including generating electricity	from renewable energy	Generate and supply electricity	Generate and supply electricity	Generate and supply electricity		Aircraft refuelling services
	Country of	Incorporation					Australia	Canada	United Arab	Emirates	Oman			Thailand	Laos	Thailand			India	Taiwan	Taiwan		Hong Kong
	Company name				Associates	PTTEP Group	PTTEP AP Group's associates*	Leismer Aerodrome Limited (LAL)	Moz LNG1 Holding Company Ltd. (HOLDCO)		Hydrogen Dugm LLC (HYDUQM)		GPSC Group	Bangpa-in Cogeneration Co., Ltd. (BIC)	Xayaburi Power Co., Ltd. (XPCL)	Eastern Seaboard Clean Energy Company Limited	(ESCE)		Avaada Energy Private Limited (AEPL)	CI Changfang Limited (CF)	CI Xidao Limited (XD)	OR Group	FST Aviation Services Limited (FST)

14.3 Details of investments in associates in the consolidated financial statements as at 31 December 2024 and 2023 (Continued)

Unit: Million Baht

Company name	Country of	Business			Cons	Consolidated financial statements	ncial stateme	ents		
	Incorporation		Ownership interest (%)	hip interest (%)	Cost method	ethod	Equity method	nethod	Dividends income	income
			2024	2023	2024	2023	2024	2023	2024	2023
Associates (Continued)										
OR Group (Continued)										
Petro Asia (Thailand) Co., Ltd. (PAT)	Thailand	Oil marketing	35.00	35.00	131	131	10	10	'	
Pluk Phak Praw Rak Mae Company Limited (OKJ)*	Thailand	Food and beverage	20.00	20.00	710	497	757	519	16	2
Imsub Global Cuisine Co., Ltd. (ISGC)**	Thailand	Food and beverage	,	25.00	1	191	'	177	'	
KAMU KAMU Co., Ltd. (KAMU)	Thailand	Beverage	25.00	25.00	468	468	478	472	4	5
Polar Bear Mission Company Limited (POLARBEAR)	Thailand	Food online	27.36	27.36	482	482	291	358	'	ı
PTTGC Group										
S.P. Petpack Inter Group Co., Ltd. (SPPETPACK)	Thailand	Distribution of general products	25.00	25.00	50	50	53	47	'	ı
Kuraray GC Advanced Materials Co., Ltd. (KGC)	Thailand	Petrochemicals	33.40	33.40	1,870	1,870	1,401	1,579	'	·
Dynachisso Thai Co., Ltd. (DYCT)	Thailand	Manufacturing and distributing of chemical	41.50	41.50	294	294	265	272	-	I
AGC Vinythai Public Company Limited (AVT)	Thailand	Petrochemicals	32.72	32.72	11,375	11,375	17,739	17,409	571	1,266
TOP Group										
PT Chandra Asri Petrochemical Tbk (CAP)***	Indonesia	Manufacturing and distributing of chemicals	15.00	15.00	29,920	29,920	29,577	30,323	159	157

\* The fair value of investment in OKJ as at 31 December 2024 is Baht 1,864 million.

\*\* On 6 September 2024, the investment in ISGC was sold.

\*\*\* The fair value of investment in CAP which is listed on the Stock Exchange of the Republic of Indonesia as at 31 December 2024 amounted to IDR 97, 325 billion, or equivalent to Baht 205,678 million (2023: IDR 68,128 billion, or equivalent to Baht 151,700 million).

Details of investments in associates in the consolidated financial statements as at 31 December 2024 and 2023 (Continued) 14.3

									Unit: N	Unit: Million Baht
Company name	Country of	Business			C	Consolidated financial statements	ancial statem	ents		
	Incorporation		Owner	Ownership interest		Cost method	Equity method	nethod	Dividends income	income
				(%)						
			2024	2023	3 2024	2023	2024	2023	2024	2023
Associates (Continued)										
IRPC Group										
UBE Chemicals (Asia) Public Co., Ltd. (UCHA)	Thailand	Petrochemicals	25.00	25.00	0 5,300	5,300	4,274	4,313	'	
PTTGM Group										
Inter Pharma Public Company Limited (IP)*	Thailand	Import, manufacture and sale of drugs and	and 20.00	20.00	0 1,043	1,043	1,056	1,069	26	13
		dietary supplement for people and animals	nals							
PTT TANK Group										
Gulf MTP LNG Terminal Co., Ltd. (GMTP)	Thailand	Boat picking up service, Unloading and	30.00	30.00	0 1,050	1,050	1,491	1,294	I	ı
		storage of liquefied natural gas, as well as	as							
		transforming from liquid to gas								
GPC International Terminal Company Limited (GPC)	Thailand	Container port	30.00	30.00	0 1,200	1,200	1,219	1,208	ı	
The Group										
Thai Petroleum Pipeline Co., Ltd. (THAPPLINE) Thailand	Thailand	Oil transmission pipelines	49.72	49.72	2 4,107	7 4,107	5,254	4,846	387	1,150
(OR Group holds 40.53% shareholding)										
					107,401	1 104,691	109,345	110,277		
Less Allowance for impairment					(1,766)	(1,286)	(207)	(212)		
Total					105,635	5 103,405	108,638	110,065	1,436	2,724

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\* The fair value of investment in IP as at 31 December 2024 is Baht 390 million. (2023: Baht 671 million).

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14.4 Details of investments in subsidiaries in the separate financial statements as at 31 December 2024 and 2023

Company name	Country of	Business		Sep	Separate financial statements	al statements	0	
	Incorporation		Ownership interest (%)	o interest	Cost method	ithod	Dividends income	income
			2024	2023	2024	2023	2024	2023
Subsidiaries								
PTT Exploration and Production Public Co., Ltd. (PTTEP) Thailand	Thailand	Petroleum exploration and production	63.79	63.79	69,751	69,751	24,690	23,424
(The Group holds 65.29% shareholding)								
PTT LNG Co., Ltd. (PTTLNG)	Thailand	Natural gas	100.00	100.00	27,748	27,748	19,979	2,303
PTT Natural Gas Distribution Co., Ltd. (PTTNGD)	Thailand	Natural gas	58.00	58.00	418	418	1,656	580
Energy Complex Co., Ltd. (EnCo)	Thailand	Real estate development for rent	50.00	50.00	006	006	67	73
(The Group holds 100% shareholding)								
PTT Energy Solutions Co., Ltd. (PTTES)*	Thailand	Technical and operational services	40.00	40.00	63	63	I	,
(The Group holds 100% shareholding)								
Global Power Synergy Public Co., Ltd. (GPSC)	Thailand	Generation and supply of electricity, steam and water for industries	47.27	47.27	70,110	70,110	1,186	800
(The Group holds 75.23% shareholding)								
PTT Oil and Retail Business Public Co., Ltd. (OR)	Thailand	Management services and oil marketing	75.00	75.00	90,000	90,000	4,860	3,600
PTT Tank Terminal Co., Ltd. (PTT TANK)	Thailand	Terminal and warehouse	100.00	100.00	3,888	3,888	312	134
PTT International Trading Pte. Ltd. (PTTT)	Singapore	International trading	100.00	100.00	3	ŝ	919	253
PTT International Trading London Limited (PTTT LDN)	England	International trading	100.00	100.00	348	348	138	130
PTT Global Chemical Public Co., Ltd. (PTTGC)	Thailand	Petrochemicals and refining	45.18	45.18	44,473	44,473	1,528	510
(The Group holds 48.18% shareholding)								
Thai Oil Public Co., Ltd. (TOP)	Thailand	Oil refining	45.03	45.03	15,110	15,110	3,973	2,364
(The Group holds 48.00% shareholding)								

\* On 29 December 2022, PTTES has registered its dissolution and currently in the process of liquidation.

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14.4 Details of investments in subsidiaries in the separate financial statements as at 31 December 2024 and 2023 (Continued)

Company name	Country of	Business		Sep	arate financi	Separate financial statements	0	
	Incorporation		Ownership interest	) interest	Cost method	sthod	Dividends income	income
			2024	2023	2024	2023	2024	2023
Subsidiaries (Continued)								
IRPC Public Co., Ltd. (IRPC)	Thailand	Petrochemicals and refining	45.05	45.05	39,696	39,696	276	276
(The Group holds 48.05% shareholding)								
PTT Energy Resources Co., Ltd. (PTTER)*	Thailand	Investment consulting in energy and mining business	100.00	100.00	32,141	32,141	1	,
PTT Global Management Co., Ltd. (PTTGM)	Thailand	Holding company	100.00	100.00	69,206	115,766	1	,
PTT Green Energy Pte. Ltd. (PTTGE)	Singapore	Investing in palm oil business	100.00	100.00	12,403	12,403	1	,
PTT Treasury Center Co., Ltd. (PTT TCC)	Thailand	Treasury services	100.00	100.00	20	20	79	,
Business Services Alliance Co., Ltd. (BSA)	Thailand	Management services	25.00	25.00	-	-	62	591
(The Group holds 100% shareholding)								
PTT Digital Solutions Co., Ltd. (PTT DIGITAL)	Thailand	Information technology and communication services	20.00	20.00	30	30	37	30
(The Group holds 100% shareholding)								
PTT International Trading USA Inc. (PTTT USA)	United States	International trading	100.00	100.00	155	155	125	72
	of America							
					476,464	523,024		
Less Allowance for impairment					(45,612)	(66,543)		
Total				"	430,852	456,481	59,888	35,140

\* On 28 December 2023, PTTER has registered its dissolution and currently in the process of liquidation.

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14.5 Details of investments in joint ventures in the separate financial statements as at 31 December 2024 and 2023

							Unit: N	Unit: Million Baht
Company name	Country of	Business		Sep	Separate financial statements	al statement	Ø	
	Incorporation		Ownership interest (%)	o interest	Cost method	ethod	Dividends income	income
			2024	2023	2024	2023	2024	2023
Joint Ventures								
Trans Thai-Malaysia (Thailand) Co., Ltd. (TTM(T))	Thailand	Natural gas	50.00	50.00	3,172	3,172	772	771
Trans Thai-Malaysia (Malaysia) Sdn. Bhd. (TTM(M))	Malaysia	Natural gas	50.00	50.00	1,001	1,001	48	83
District Cooling System and Power Plant Co., Ltd. Thailand	Thailand	Generation and supply of electricity and chilled water	35.00	35.00	585	585	70	20
(DCAP)								
Map Ta Phut Air Products Company Limited (MAP) Thailand	Thailand	Production and distribution of industrial gas	49.00	49.00	179	179	10	61
(The Group holds 51.00% shareholding)								
Veolia Sustainable Solution (Thailand) Co.,Ltd. (VSS)	Thailand	Hazardous waste management plant	40.00	40.00	23	23	ı	
VISUP Company Limited (VISUP)	Thailand	Select research and researchers in VISTEC and invest in high-tech	22.22	22.22	20	20	ı	
(The Group holds 55.55% shareholding)		startup companies						
Total					4,980	4,980	006	985



- 14.6 Movements in investments in the consolidated and the separate financial statements
- 14.6.1 Movements in investments in joint ventures under the equity method in the consolidated financial statements are as follows:

		Unit: Million Baht
	2024	2023
As at 1 January	62,258	60,357
- Share of profit (loss) from investments in joint ventures	(8,091)	673
- Share of other comprehensive loss of joint ventures	(881)	(497)
- Dividend income	(3,711)	(4,216)
- Additional investments	3,727	5,964
- Capital reduction of investments	(47)	-
- Reclassifications	10,051	-
- Loss on impairment (Notes 21)	(516)	-
- Exchange differences on translation of financial statements	(152)	(23)
As at 31 December	62,638	62,258

14.6.2 Movements in investments in associates under the equity method in the consolidated financial statements are as follows:

		Unit: Million Baht
	2024	2023
As at 1 January	110,065	104,658
- Share of profit from investments in associates	1,423	2,340
- Share of other comprehensive loss of associates	(58)	(343)
- Dividend income	(1,436)	(2,724)
- Additional investments	747	6,438
- Disposal and capital reduction of investments	(167)	-
- Loss on impairment (Notes 21)	(500)	-
- Exchange differences on translation of financial statements	(1,436)	(304)
As at 31 December	108,638	110,065



- 14.6 Movements in investments in the consolidated and the separate financial statements (Continued)
- 14.6.3 Movements in investments in subsidiaries and joint ventures under the cost method in the separate financial statements are as follows:

		Unit: Million Baht
	2024	2023
As at 1 January	461,460	440,663
- Additional investments	25	4,319
- Capital reduction of investments	(46,586)	(1,562)
- Reversal of loss on impairment	20,932	18,040
As at 31 December	435,831	461,460

Summary financial information of the material joint ventures of the Group, adjusted for fair value adjustments and differences in accounting policies, are as follows: 14.7

Statements of financial position as at 31 December 2024 and 2023

			2024					2023		
	TTM(T)	TTM(M)	HPLUS	PTTAC	HMC	TTM(T)	TTM(M)	HPLUS	PTTAC	HMC
Current assets	5,969	2,153	8,167	2,985	8,308	6,519	2,037	8,428	4,802	7,617
Non-current assets	3,182	537	2,147	719	27,493	4,719	1,247	1,947	21,181	30,748
Current liabilities	(886)	(273)	(92)	(2,795)	(9,418)	(1,743)	(200)	(71)	(2,516)	(5,109)
Non-current liabilities	(378)	(88)	(27)	(5,328)	(14,107)	(1,860)	(893)	(23)	(4,568)	(17,226)
Net assets (100%)	7,785	1,829	10,192	(4,419)	12,276	7,635	1,801	10,281	18,899	16,030
Shareholding (%)	50.00	50.00	60.00	50.00	41.44	50.00	50.00	60.00	50.00	41.44
The Group's share of net assets	3,893	915	6,115	(2,210)	5,087	3,818	901	6,169	9,450	6,643
Adjustment	I	I	ı	2,210	3,038	I	ı	ı	ı	3,038
Carrying amount of interest in joint ventures	3,893	915	6,115	ı	8,125	3,818	901	6,169	9,450	9,681

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Summary financial information of the material joint ventures of the Group, adjusted for fair value adjustments and differences in accounting policies, are as follows: (Continued) 14.7

Statements of comprehensive income for the years ended 31 December 2024 and 2023

TTM(T) TTM(M) HP 3,923 488 (1,724) (373)	HPLUS					C2N2		
		PTTAC	HMC	TTM(T)	TTM(M)	HPLUS	PTTAC	HMC
	181	13,515	26,361	3,537	333	110	10,773	25,833
	(270)	(36,837)	(29,052)	(1,786)	(293)	(236)	(12,810)	(30,138)
2,199 115	(89)	(23,322)	(2,691)	1,751	40	(126)	(2,037)	(4,305)
(417) 23	ı	4	I	(369)	(156)	ı	6	(27)
1,782 138	(89)	(23,318)	(2,691)	1,382	(116)	(126)	(2,028)	(4,332)
Other comprehensive income (loss)	ı	1	(1,063)	1	ı	ı	(2)	(761)
Total comprehensive income (loss) 1,782 138	(89)	(23,318)	(3,754)	1,382	(116)	(126)	(2,035)	(5,093)

During the year, the Group recognized share of profit (loss) from significant investments in joint ventures as follows:

	(1,795)			(315)	
	(1,014)			(4)	
	(20)			ı	
	(58)			I	
	691			I	
	(1,115)			(441)	
	(9,449)			·	
	(23)			I	
	69				
	891			I	
Share of profit (loss) from investments in	joint ventures during the year	Share of other comprehensive loss from	investments in joint ventures during	the year	

\* Including gain (loss) on foreign exchange rate and derivatives.

Summary financial information of the material associates of the Group, adjusted for fair value adjustments and differences in accounting policies, are as follows: 14.8

Statements of financial position as at 31 December 2024 and 2023

				2024							2023			
	AEPL	CAP	THAPPLINE	XPCL	UCHA	AVT	CF	AEPL	CAP	THAPPLINE	XPCL	UCHA	AVT	CF
Current assets	14,724	98,694	9,797	5,540	6,281	14,084	4,086	10,265	107,557	7,470	7,592	6,414	22,485	3,276
Non-current assets	83,394	90,441	15,528	122,007	6,404	36,331	135,248	74,237	80,473	16,208	123,361	6,745	26,298	94,640
Current liabilities	(10,922)	(10,922) (25,150) (1,482)	(1,482)	(9,291)	(666)	(4,604)	(6,838)	(5,307)	(23,524)	(1,393)	(5,359)	(1,455)	(4,333)	(2,088)
Non-current liabilities	(52,238)	(52,238) (64,187)	(2,022)	(82,618)	(263)	(2,430)	(92,266)	(43,055)	(61,824)	(2,110)	(90,731)	(241)	(2,519)	(83,394)
Net assets (100%)		99,798	21,821	35,638	11,423	43,381	40,230	36,140	102,682	20,175	34,863	11,463	41,931	12,434
Shareholding (%)	42.93		49.72	25.00	25.00	32.72	25.00	42.93	15.00	49.72	25.00	25.00	32.72	25.00
The Group's share of net assets	15,007	15,007 14,970 10,849	10,849	8,910	2,856	14,194	10,058	15,515	15,402	10,031	8,716	2,866	13,720	3,109
Adjustment	4,927	14,607	(5,595)	34	918	3,545	3,043	5,117	14,921	(5,185)	35	1,447	3,689	10,712
Carrying amount of interest in associates 19,934	19,934	29,577	5,254	8,944	3,774	17,739	13,101	20,632	30,323	4,846	8,751	4,313	17,409	13,821

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Summary financial information of the material associates of the Group, adjusted for fair value adjustments and differences in accounting policies, are as follows: (Continued) 14.8

Statements of comprehensive income for the years ended 31 December 2024 and 2023

Baht	
Million	
Unit:	

AEPL         CAP         THAPPLNE         XPCL         UCHA         XPCL         CPCL         UCHA         XPCL         UCHA         XPCL         UCHA         XPCL         UCHA         XPCL         UCHA         XPCL         TC         TC <th></th> <th></th> <th></th> <th></th> <th>2024</th> <th>24</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>2023</th> <th></th> <th></th> <th></th>					2024	24						2023			
8.091         67,971         6,832         13,478         12,517         5,089         7,966         7,911         7,234         13,922         10,416         34,370           7(7)14)         (70,560)         (2,828)         (12,343)         (12,565)         (30,051)         (6,31)         (81,319)         (17,93)         (11,628)         29,832)           7         (7,914)         (70,560)         (2,828)         (12,134)         (12,655)         (30,051)         (6,31)         (81,319)         (21,79)         (11,793)         (11,628)         29,832)           7         (7,912)         (7,912)         (7,912)         (4,913)         (4,152)         (1,408)         24,332)         (1,528)         (1,528)         (1,528)         (1,528)         (1,528)         (1,212)         (1,528)         (1,212)         (1,528)         (1,212)         (1,528)         (1,212)         (1,518)         (1,512)         (1,212)         (1,512)         (1,512)         (1,729)         (1,729)         (1,729)         (1,729)         (1,729)         (1,729)         (1,718)         (1,718)         (1,718)         (1,718)         (1,718)         (1,718)         (1,719)         (1,719)         (1,719)         (1,719)         (1,719)         (1,719)         (1,719) <th></th> <th>AEPL</th> <th>CAP</th> <th>THAPPLINE</th> <th>XPCL</th> <th>UCHA</th> <th>AVT</th> <th>CF</th> <th>AEPL</th> <th>CAP 7</th> <th>THAPPLINE</th> <th>XPCL</th> <th>UCHA</th> <th>AVT</th> <th>CF</th>		AEPL	CAP	THAPPLINE	XPCL	UCHA	AVT	CF	AEPL	CAP 7	THAPPLINE	XPCL	UCHA	AVT	CF
(7,914)         (7,566)         (2,828)         (12,565)         (30,051)         (6,311)         (6,312)         (81,319)         (2,910)         (11,628)         (29,832)           or taxes         177         (2,595)         4,004         1,135         (48)         4,226         (1,272)         1,035         (1,408)         4,324         2,129         (1,512)         4,538           (37)         571         (797)         218         8         (746)         -         (324)         3,19         (376)         (1,212)         4,538           (1,322)         571         (797)         2,129         (1,272)         7,11         (1,089)         3,468         (3,718)         (3718)         (3718)         3,718           oniverticence (loss)         (1,182)         (1,571)         1,576         7,190         3,468         2,129         (3718)         3,718           oniverticence (loss)         (1,182)         (1,512)         4,534         7,11         (1,010)         3,468         2,129         (3718)         3,718           oniverticence (loss)         (1,182)         (1,512)         4,190         (1,212)         1,160         2,129         (973)         3,718           oniverticence (loss)		8,091	67,971	6,832	13,478	12,517	34,277	5,089	7,966	79,911	7,234	13,922	10,416	34,370	783
Tet taxes         177         (2,595)         4,004         1,135         (4)         4,226         (1,272)         1,035         (1,408)         4,324         2,129         (1,212)         4,538           (37)         571         (797)         218         8         (746)         -         (324)         319         (856)         -         239         (820)           140         (2,024)         3,207         1,353         (40)         3,480         (1,272)         711         (1,089)         3,468         2,129         (973)         3,718         -           answellcloss)         (1,322)         (151)         1,596         171         -         (100)         2,129         (973)         3,718         -         2,318           answellcloss)         (1,182)         (151)         1,596         1,90         3,209         (2,211)         1,169         7,19         7,19         7,19         2,308         2,308         2,308         2,308         2,308         2,308         2,318         -         2,318         -         2,318         -         2,318         -         2,318         -         2,318         -         2,318         -         2,318         -         2,318 <td></td> <td>(7,914)</td> <td>(70,566)</td> <td>(2,828)</td> <td>(12,343)</td> <td>(12,565)</td> <td>(30,051)</td> <td>(6,361)</td> <td>(6,931)</td> <td>(81,319)</td> <td>(2,910)</td> <td>(11,793)</td> <td>(11,628)</td> <td>(29,832)</td> <td>(677)</td>		(7,914)	(70,566)	(2,828)	(12,343)	(12,565)	(30,051)	(6,361)	(6,931)	(81,319)	(2,910)	(11,793)	(11,628)	(29,832)	(677)
(37)         571         (797)         218         8         (746)         -         (324)         319         (856)         -         239         (820)           ansive income (loss)         (1,322)         (1,512)         1,353         (40)         3,480         (1,272)         711         (1,089)         3,468         2,129         (973)         3,718         -           ansive income (loss)         (1,322)         (151)         1,556         171         -         (190)         (969)         (292)         (56)         -         (100)         2         (23)           nsive income (loss)         (1,182)         (2,175)         4,803         1,524         (40)         3,290         (2,241)         419         (1,145)         3,468         2,029         (971)         3,695	s) before taxes	177	(2,595)	4,004	1,135	(48)	4,226	(1,272)	1,035	(1,408)	4,324	2,129	(1,212)	4,538	106
140         (2,024)         3,207         (1,353)         (40)         3,480         (1,272)         711         (1,089)         3,468         2,129         (973)         3,718           ansive income (loss)         (1,322)         (151)         1,596         171         -         (190)         (969)         (292)         (56)         -         (100)         2         (23)           nsive income (loss)         (1,182)         (2,175)         4,803         1,524         (40)         3,290         (2,241)         419         (1,145)         3,468         2,029         (971)         3,695	xes	(37)	571	(262)	218	ω	(746)	1	(324)	319	(856)	·	239	(820)	ı
(1,322)         (151)         1,596         171         -         (190)         (969)         (292)         (56)         -         (100)         2         (23)           (1,182)         (2,175)         4,803         1,524         (40)         3,290         (2,241)         419         (1,145)         3,468         2,029         (971)         3,695	(Ioss)	140	(2,024)	3,207	1,353	(40)	3,480	(1,272)	711	(1,089)	3,468	2,129	(673)	3,718	106
(1,182) (2,175) 4,803 1,524 (40) 3,290 (2,241) 419 (1,145) 3,468 2,029 (971) 3,695	nprehensive income (loss)		(151)	1,596	171	I	(190)	(696)	(292)	(56)	1	(100)	2	(23)	1
	Total comprehensive income (loss)	(1,182)	(2,175)	4,803	1,524	(40)	3,290	(2,241)	419	(1,145)	3,468	2,029	(171)	3,695	106

During the year, the Group recognized share of profit (loss) from significant investments in associates as follows:

	1,217 27			- (8)
	(243)			<del></del>
	532			(25)
	1,724			ı
	(163)			(8)
	305			(125)
	(318)			(242)
	1,139			(62)
	(10)			•
	338			43
	1,595			794
	(304)			(23)
	60			(568)
Share of profit (loss) from investments	in associates during the year	Share of other comprehensive income	(loss) from investments in	associates during the year

\* Including gain (loss) on foreign exchange rate and derivatives.

14.9 Significant events during the year ended 31 December 2024

Significant events of subsidiaries of the Company

#### PTTGM

On 17 October 2024, the Company's Board of Directors meeting No. 10/2024, the PTTGM's Board of Directors meeting No. 11/2024 dated 28 October 2024, and the Extraordinary General Meeting of Shareholders of PTTGM No. 2/2024 dated 14 November 2024, approved the reduction in the registered capital by Baht 46,586 million by decreasing the number of shares by 465.86 million shares, resulting in a remaining capital of Baht 76,159 million. PTTGM completed the registration of the capital reduction with the Department of Business Development, Ministry of Commerce. The Company received a return of Baht 20,210 million from the capital reduction and recognized a loss from the capital reduction (net of the reversal of the impairment of investments) amounting to Baht 5,443 million.

#### PTTLNG

On 21 March 2024, the Company's Board of Directors Meeting No.3/2024 passed a resolution approving a joint investment between PTT LNG Company Limited (PTTLNG) and the Electricity Generating Authority of Thailand (EGAT) to operate LNG Receiving Terminal 2 (LMPT2). Subsequently, PTTLNG established a joint venture company named PE LNG Company Limited (PE LNG), which was initially wholly owned by PTTLNG. On 30 April 2024, PTTLNG sold 50% of its investment in PE LNG to EGAT for a total amount of Baht 14,400 million. As a result, PTTLNG's investment in PE LNG has been reclassified from a subsidiary to a joint venture company.

#### PTTAC

During the year ended 31 December 2024, PTT Asahi Chemical Co., Ltd. ("PTTAC") recorded impairment losses on assets, mainly due to a market slowdown leading to a long-term oversupply and high feedstock costs. As a result, PTTAC announced the cessation of the business operations. PTTGC Group therefore recorded its share of losses in proportion to its joint venture of Baht 9,450 million in the consolidated statement of income. As of 31 December 2024, PTTGC Group has no outstanding investment balance in PTTAC and recognized estimated liabilities for future expenses amounting to Baht 3,035 million.

14.9 Significant events during the year ended 31 December 2024 (Continued)

Significant events of subsidiaries of the Company (Continued)

#### Vencorex Group

On 6 September 2024, Vencorex France S.A.S.U. ("Vencorex France") and Vencorex TDI S.A.S.U. ("Vencorex TDI"), which are subsidiaries of PTTGC Group, filed petitions to enter into judicial reorganisation proceedings under Book VI of the French Commercial Code with the Commercial Court in Lyon. On 10 September 2024, the Commercial Court in Lyon issued an order accepting the petition for consideration and commencing a judicial collective proceeding in respect of Vencorex France and Vencorex TDI. The judicial reorganization proceedings are expected to be completed within 3 to 4 months. Subsequently, on 7 November 2024, the court extended the process until March 2025 because there have been only partial offers for the assets, and the unsold assets require sufficient time to clean the factory and equipment to ensure safety. However, the PTTGC Group has already recognized an estimated liability for the entire business restructuring process. As a result, this indicates that the PTTGC Group has indications of impairment as the recoverable amounts of the assets are less than their carrying amounts for Vencorex Group. Accordingly, the PTTGC Group has recognized impairment losses on assets amounting to Baht 7,898 million in the consolidated statements of income for the year ending 31 December 2024.



## 14.10 Material non-controlling interests

Financial information of subsidiaries that have material non-controlling interests are as follow:

		Non-control	ling interests
	Country of	Shareho	lding (%)
Company name	Incorporation	2024	2023
PTT Exploration and Production Public Co., Ltd. (PTTEP)	Thailand	34.71	34.71
Thai Oil Public Co., Ltd. (TOP)	Thailand	52.00	52.00
IRPC Public Co., Ltd. (IRPC)	Thailand	51.95	51.95
PTT Global Chemical Public Co., Ltd. (PTTGC)	Thailand	51.82	51.82
Global Power Synergy Public Co., Ltd. (GPSC)	Thailand	24.77	24.77
PTT Oil and Retail Business Public Co., Ltd. (OR)	Thailand	25.00	25.00

14.10 Material non-controlling interests (Continued)

Financial information of subsidiaries that have material non-controlling interests, after accounting policy adjustment, before eliminations:

Summary of financial position as at 31 December 2024 and 2023

			2024	4					2023	τ. Γ		
	PTTEP	TOP	IRPC	PTTGC	GPSC	OR	PTTEP	TOP	IRPC	PTTGC	GPSC	OR
Current assets	222,131	112,222	56,999	156,134	49,779	116,032	234,800	125,371	61,683	186,873	41,823	127,072
Non-current assets	743,170	296,635	127,556	489,710	238,357	91,460	668,021	294,468	130,978	532,131	239,880	93,164
Current liabilities	(105,502)	(67,663)	(53,844)	(114,131)	(23,126)	(60,673)	(88,590)	(73,501)	(58,944)	(125,841)	(38,667)	(67,679)
Non-current liabilities	(323,923)	(323,923) (175,163)	(60,603)	(263,120)	(145,868)	(37,858)	(314,788)	(178,180)	(57,595)	(296,982)	(125,511)	(43,049)
Net assets	535,876	166,031	70,108	268,593	119,142	108,961	499,443	168,158	76,122	296,181	117,525	109,508
The Group's share of net assets	349,675	78,386	33,622	117,905	80,918	81,673	325,996	79,405	36,479	139,197	79,893	82,082
Non-controlling interests	186,201	87,645	36,486	150,688	38,224	27,288	173,447	88,753	39,643	156,984	37,632	27,426

14. Investments in subsidiaries, joint ventures and associates (Continued)

14.10 Material non-controlling interests (Continued)

Financial information of subsidiaries that have material non-controlling interests, after accounting policy adjustment, before eliminations: (Continued)

Summary of comprehensive income or loss for the years ended 31 December 2024 and 2023

Unit: Million Baht		OR	774,969	(761,436)	13,533	(2,437)	11,096	(552)		10,544		8,320	2,776		1,200
Unit: N		GPSC	93,579	(88,263)	5,316	(207)	4,809	(546)		4,263		2,779	2,030		596
		PTTGC	632,984	(630,767)	2,217	(1,352)	865	(2,265)		(1,400)		481	384		726
	2023	IRPC	321,829	(325,513)	(3,684)	772	(2,912)	(2)		(2,919)		(1,405)	(1,507)		343
		TOP	468,848	(443,773)	25,075	(4,790)	20,285	(5,361)		14,924		9,670	10,615		2,747
		PTTEP	315,393	(175,437)	139,956	(63,530)	76,426	(5,777)		70,649		49,898	26,528		12,745
		OR	727,114	(717,664)	9,450	(1,801)	7,649	(1,930)		5,719		5,738	1,911		1,620
		GPSC	92,834	(87,763)	5,071	(300)	4,770	(130)		4,640		3,056	1,714		812
		PTTGC	606,708	(637,890)	(31,182)	1,168	(30,014)	(11,022)		(41,036)		(14,363)	(15,651)		1,873
	2024	IRPC	318,296	(324,999)	(6,703)	1,474	(5,229)	(139)		(5,368)		(2,495)	(2,734)		350
		TOP	470,916	(457,936)	12,980	(2,366)	10,613	(3,888)		6,726		5,084	5,529		4,617
		PTTEP	329,367	(192,700)	136,667	(57,436)	79,231	(4,248)		74,983		51,732	27,499		13,434
		I	Revenue*	Expenses	Profit (loss) before income taxes	Income taxes	Net profit (loss)	Other comprehensive loss	Total comprehensive income	(loss)	Net profit (loss) attributable to	The Group	Non-controlling interests	Total dividend paid to non-	controlling interests

\* Including gain (loss) on foreign exchange rate and derivatives.

14. Investments in subsidiaries, joint ventures and associates (Continued)

14.10 Material non-controlling interests (Continued)

Financial information of subsidiaries that have material non-controlling interests, after accounting policy adjustment, before eliminations: (Continued)

Summary of cash flows for the years ended 31 December 2024 and 2023

											Unit:	Unit: Million Baht
			2024	4					2023	c		
. 1	PTTEP	TOP	IRPC	PTTGC	GPSC	OR	PTTEP	TOP	IRPC	PTTGC	GPSC	OR
Net cash provided by operating												
activities	202,301	39,395	10,323	32,322	23,049	17,640	151,851	27,970	18,630	48,234	23,160	37,972
Net cash used in investing												
activities	(150,369)	(14,049)	(3,571)	(3,887)	(2,841)	(5,263)	(82,447)	(19,574)	(12,022)	(12,148)	(14,042)	(7,669)
Net cash used in financing												
activities	(54,367)	(24,627)	(3,048)	(33,739)	(8,108)	(16,275)	(51,416)	(23,072)	(3,618)	(25,123)	(10,195)	(16,802)
Others	(1,257)	(108)	'	731	25	(307)	(2,770)	(468)	ı	416	38	25
Net increase (decrease)												
in cash and cash equivalents	(3,692)	611	3,704	(4,573)	12,125	(4,205)	15,218	(15,144)	2,990	11,379	(1,039)	13,526

## 15. Investment properties

Details of investment properties are as follows:

Unit <sup>.</sup>	Million	Raht
Unit.	IVIIIIOII	Dan

		Сс	onsolidated fina	ancial stateme	nts	
	Land	Buildings	Other assets	Construction	Right-of-use	Total
		and building		in progress	assets	
		improvements				
As at 1 January 2023						
Cost	8,233	3,995	14	268	128	12,638
Less Accumulated depreciation	-	(1,818)	(3)	-	(34)	(1,855)
Allowance for impairment of						
assets	(47)	-	-			(47)
Net book value	8,186	2,177	11	268	94	10,736
For the year ended 31 December 2023						
Begining net book value	8,186	2,177	11	268	94	10,736
- Additions	-	29	-	463	-	492
- Reclassifications	1	611	2	(405)	-	209
- Depreciation for the year	-	(196)	(1)	-	(6)	(203)
Ending net book value	8,187	2,621	12	326	88	11,234
As at 31 December 2023						
Cost	8,234	4,644	16	326	128	13,348
Less Accumulated depreciation	-	(2,023)	(4)	-	(40)	(2,067)
Allowance for impairment of						
assets	(47)	-	-	-		(47)
Net book value	8,187	2,621	12	326	88	11,234



## 15. Investment properties (Continued)

Details of investment properties are as follows: (Continued)

Unit: Million Baht

		Сс	nsolidated fina	ancial stateme	nts	
	Land	Buildings	Other assets	Construction	Right-of-use	Total
		and building		in progress	assets	
		improvements				
For the year ended						
31 December 2024						
Begining net book value	8,187	2,621	12	326	88	11,234
- Additions	-	59	12	169	15	255
- Disposal and write-off - net	-	(7)	-	-	-	(7)
- Reclassifications	178	635	54	(477)	-	390
- Reversal on impairment of assets	14	-	-	-	-	14
- Depreciation for the year	-	(258)	(5)		(5)	(268)
Ending net book value	8,379	3,050	73	18	98	11,618
As at 31 December 2024						
Cost	8,412	5,322	82	18	143	13,977
Less Accumulated depreciation	-	(2,272)	(9)	-	(45)	(2,326)
Allowance for impairment of						
assets	(33)	-		-		(33)
Net book value	8,379	3,050	73	18	98	11,618

As at 31 December 2024 and 2023, the Group did not have pledged assets.

# 15. Investment properties (Continued)

Details of investment properties are as follows: (Continued)

Separate financial statements		
Land Buildings Construction Right-	of-use	Total
and building in progress ass	ets	
improvements		
As at 1 January 2023		
Cost 3,585 1,652 2	47	5,286
Less Accumulated depreciation - (1,344) -	(15)	(1,359)
Net book value         3,585         308         2	32	3,927
For the year ended 31 December 2023		
Beginning net book value 3,585 308 2	32	3,927
- Disposal and write-off - net - (1) -	-	(1)
- Reclassifications - 188 -	15	203
- Depreciation for the year - (38) -	(15)	(53)
Ending net book value3,5854572	32	4,076
As at 31 December 2023		
Cost 3,585 1,633 2	65	5,285
Less Accumulated depreciation - (1,176) -	(33)	(1,209)
Net book value         3,585         457         2	32	4,076
For the year ended 31 December 2024		
Beginning net book value3,5854572	32	4,076
- Reclassifications 3 1 -	14	18
- Depreciation for the year - (46) -	(10)	(56)
Ending net book value3,5884122	36	4,038
As at 31 December 2024		
Cost 3,588 1,634 2	79	5,303
Less Accumulated depreciation - (1,222) -	(43)	(1,265)
Net book value         3,588         412         2	36	4,038

### 15. Investment properties (Continued)

Fair value disclosed as at 31 December 2024 and 2023 using different levels of inputs as follows:

			l	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	statements	financial s	tatements
	2024	2023	2024	2023
Fair value hierarchy				
Level 2	13,591	13,313	4,650	4,666
Level 3	14,151	14,000	398	292
Total	27,742	27,313	5,048	4,958

### Fair value level 2

The fair values of land for rent categorized as investment property were determined by independent property appraisers under the market approach.

### Fair value level 3

The fair values of land and buildings for rent categorized as investment property were determined by using the income approach. The inputs used for the valuation consisted of the rate of return and finance costs

16. Property, plant and equipment

Details of property, plant and equipment are as follows:

							Unit: Million Baht
			Consol	Consolidated financial statements	ements		
	Land	Buildings	Machinery	Exploration and	Other assets	Construction	Total
		and building	and equipment	production		in progress	
		improvements		properties			
As at 1 January 2023							
Cost	58,600	354,577	1,298,178	1,233,095	26,429	255,542	3,226,421
Less Accumulated depreciation	ı	(202,118)	(663,980)	(823,510)	(19,456)	I	(1,709,064)
Allowance for impairment of							
assets	(73)	(2,054)	(3,539)	(9,630)	(65)	(2,666)	(18,027)
Net book value	58,527	150,405	630,659	399,955	6,908	252,876	1,499,330
a							

(Continued)
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Property,
16.

Details of property, plant and equipment are as follows: (Continued)

Unit: Million Baht

Consolidated financial statements

	Land	Buildings	Machinery	Exploration and	Other assets	Construction	Total
		and building	and equipment	production		in progress	
		improvements		properties			
For the year ended							
31 December 2023							
Beginning net book value	58,527	150,405	630,659	399,955	6,908	252,876	1,499,330
- Additions	699	1,720	5,378	104,693	929	76,154	189,543
- Borrowing costs		~	31	ı	ı	5,680	5,712
- Reclassifications	3,906	10,475	74,000	7,769	1,532	(90,590)	7,092
- Disposal and write-off - net	(2,616)	(1,152)	(2,775)	(508)	23	(1,312)	(8,340)
- Depreciation for the year		(12,520)	(52,961)	(78,575)	(1,935)	ı	(145,991)
- Reversal of (loss on) impairment of							
assets		18	(215)	I	I	(68)	(265)
- Reclassified to assets held for sale		(318)	36	I	(2)	(1,555)	(1,839)
- Exchange differences on							
translation of financial statements	115	76	1,547	(4,400)	125	(1,496)	(4,033)
Ending net book value	60,601	148,705	655,700	428,934	7,580	239,689	1,541,209

Details of property, plant and equipment are as follows: (Continued)

Baht	
Million	
Unit:	

			Consol	Consolidated financial statements	ements		
	Land	Buildings	Machinery	Exploration and	Other assets	Construction	Total
		and building	and equipment	production		in progress	
		improvements		properties			
As at 31 December 2023							
Cost	60,674	363,379	1,361,768	1,183,944	28,783	242,360	3,240,908
Less Accumulated depreciation	I	(212,729)	(702,995)	(745,474)	(21,138)	I	(1,682,336)
Allowance for impairment of							
assets	(73)	(1,945)	(3,073)	(9,536)	(65)	(2,671)	(17,363)
Net book value	60,601	148,705	655,700	428,934	7,580	239,689	1,541,209

Details of property, plant and equipment are as follows: (Continued)

			Consoli	Consolidated financial statements	ements		
Ι	Land	Buildings	Machinery	Exploration and	Other assets	Construction	Total
		and building	and equipment	production		in progress	
		improvements		properties			
For the year ended							
31 December 2024							
Beginning net book value	60,601	148,705	655,700	428,934	7,580	239,689	1,541,209
- Business acquisition	ı	17	I	I	~	ı	18
- Additions	223	1,814	6,309	140,083	1,619	50,997	201,045
- Borrowing costs	ı	~	89	I	ı	5,266	5,356
- Reclassifications	(139)	13,517	39,542	4,979	729	(58,919)	(291)
- Disposal and write-off - net	(1,397)	(673)	(35,784)	(1,202)	(101)	(377)	(39,534)
- Depreciation for the year	ı	(13,404)	(53,791)	(89,340)	(2,101)	ı	(158,636)
- Reversal of (loss on) impairment of							
assets (Note 21)	(229)	(1,294)	(4,607)	I	3	(761)	(6,888)
- Exchange differences on							
translation of financial statements	(395)	(655)	(1,587)	(4,705)	(32)	(248)	(7,622)
Ending net book value	58,664	148,028	605,871	478,749	7,698	235,647	1,534,657

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(Continued)
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Property,
16.

Details of property, plant and equipment are as follows: (Continued)

Unit: Million Baht

			Consoli	Consolidated financial statements	ements		
-	Land	Buildings	Machinery	Exploration and	Other assets	Construction	Total
		and building	and equipment	production		in progress	
		improvements		properties			
As at 31 December 2024							
Cost	58,957	376,167	1,361,922	1,300,017	30,072	239,024	3,366,159
Less Accumulated depreciation	ı	(224,963)	(748,638)	(811,937)	(22,312)	ı	(1,807,850)
Allowance for impairment of							
assets	(293)	(3,176)	(7,413)	(9,331)	(62)	(3,377)	(23,652)
Net book value	58,664	148,028	605,871	478,749	7,698	235,647	1,534,657

As at 31 December 2024, the Group had pledged assets amounting to Baht 53,652 million (31 December 2023: Baht 52,380 million)



Details of property, plant and equipment are as follows: (Continued)

Unit:	N / i I	lion	Daht
Unit.	IVIII	IIOH	Dan

			Separate finar	ncial statements	i	
-	Land	Buildings	Machinery	Other assets	Construction	Total
		and building	and		in progress	
		improvements	equipment			
As at 1 January 2023						
Cost	6,194	41,681	385,119	19,246	29,605	481,845
Less Accumulated depreciation	-	(19,112)	(195,985)	(14,144)	-	(229,241)
Allowance for impairment						
of assets	-	(1,336)	(2,927)	(65)	-	(4,328)
Net book value	6,194	21,233	186,207	5,037	29,605	248,276
For the year and d						
For the year ended 31 December 2023						
	C 104	01 000	100 007	F 007		040.070
Begining net book value	6,194	21,233	186,207	5,037	29,605	248,276
- Additions	17	152	291	77	15,378	15,915
- Borrowing costs	-	-	-	-	971	971
- Reclassifications	383	826	11,540	1,139	(14,848)	(960)
- Disposal and write-off - net	(6)	(53)	(195)	(2)	-	(256)
- Depreciation for the year	-	(1,574)	(13,075)	(1,345)	-	(15,994)
- Reversal on impairment of						
assets	-	39	65	1		105
Ending net book value	6,588	20,623	184,833	4,907	31,106	248,057
As at 31 December 2023						
Cost	6,588	41,895	392,915	19,902	31,106	492,406
	0,000	,			31,100	
Less Accumulated depreciation	-	(19,975)	(205,220)	(14,931)	-	(240,126)
Allowance for impairment			(0.000)	(0.1)		(4.000)
of assets	-	(1,297)	(2,862)	(64)		(4,223)
Net book value	6,588	20,623	184,833	4,907	31,106	248,057

Details of property, plant and equipment are as follows: (Continued)

Unit: Million Baht

			Separate finar	ncial statements		
	Land	Buildings	Machinery	Other assets	Construction	Total
		and building	and		in progress	
		improvements	equipment			
For the year ended		·				
31 December 2024						
Begining net book value	6,588	20,623	184,833	4,907	31,106	248,057
- Additions	-	111	148	59	16,647	16,965
- Borrowing costs	-	-	-	-	993	993
- Reclassifications	18	639	4,641	203	(5,878)	(377)
- Disposal and write-off - net	-	(16)	(5)	(2)	-	(23)
- Depreciation for the year	-	(1,578)	(13,214)	(1,291)	-	(16,083)
- Reversal on impairment of						
assets	-	57	48	3		108
Ending net book value	6,606	19,836	176,451	3,879	42,868	249,640
As at 31 December 2024						
Cost	6,606	42,309	396,707	19,365	42,868	507,855
Less Accumulated depreciation	-	(21,233)	(217,442)	(15,425)	-	(254,100)
Allowance for impairment						
of assets	-	(1,240)	(2,814)	(61)		(4,115)
Net book value	6,606	19,836	176,451	3,879	42,868	249,640

Borrowing costs were capitalized as a part of costs of property, plant and equipment. During the year, the Group used capitalization rates ranging from 2.30% - 6.71% per annum (2023: 2.00% - 7.00% per annum). The Company used capitalization rates at 3.21% per annum (2023: 3.40% per annum).

#### Investment in Clean Fuel Project of TOP

TOP entered into the Engineering, Procurement and Construction Contract (the "EPC Contract") with the main contractor for the construction of the Clean Fuel Project (CFP), which was approved at the Extraordinary General Meeting of Shareholders on 27 August 2018. The total investment value of the project is approximately USD 4,825 million, or equivalent to approximately Baht 160,279 million, including interest during construction of approximately USD 151 million, or equivalent to approximately Baht 5,016 million. The project cost also includes the investment in the Energy Recovery Unit (ERU), an electrical power plant with a designed generating capacity of 250 megawatts, which will supply electricity and steam to the production process of the CFP.

Due to the COVID-19 pandemic, which affected the CFP Project from the commencement of the engineering design stage, the procurement of equipment and materials and on-site construction, requiring compliance with COVID-19 prevention measures, operational plans had to be adjusted to reflect the prevailing circumstances and address problems to ensure the continued progress of the CFP Project. These factors led to an increase in the CFP Project costs and an extension of the construction timeline beyond the original schedule. Accordingly, the Board of Directors Meeting No. 9/2021 of TOP resolved to approve an increase in interest during construction of the CFP Project by an additional USD 422 million, or equivalent to approximately Baht 14,278 million. Subsequently, the Board of Directors Meeting No. 4/2022 of TOP approved an additional budget for the development of the CFP Project and the execution of an amendment agreement to the EPC Contract with the Main Contractor. This approval increased the budget of the CFP Project by approximately USD 550 million, or equivalent to approximately Baht 18,165 million, and extended the project completion timeline by 24 months under the EPC Contract to ensure the best interests of TOP and the successful completion of the CFP Project.

During 2024, the Main Contractor's failure to pay to its subcontractors working on the CFP Project resulted in work stoppages or workforce reductions. As a result, TOP had to explore various options to ensure the completion of the CFP Project. In this regard, TOP engaged a technical advisor to review and analyse the remaining construction work of the CFP Project and considered recommendations and opinions provided by TOP's technical advisor, legal advisor and independent financial advisor. At the Board of Directors Special Meeting No. 6/2024 of TOP, held on 19 December 2024, the Board of Directors approved an increase of the investment cost of the CFP Project and approved the convening of the Extraordinary General Meeting of Shareholders No. 1/2025 of TOP, scheduled for 21 February 2025, to propose an increase in the investment cost in the CFP Project by approximately USD 1,776 million, or equivalent to approximately Baht 63,028 million and an increase in interest during construction of approximately USD 505 million, or equivalent to approximately Baht 17,922 million. The additional investment will be used for the construction of the CFP Project, procurement of remaining equipment and materials and payment of other expenses related to the development of the CFP Project, including advisory fees, to support the completion of the CFP Project.

### The Enforcement of security in respect of the Clean Fuel Project (CFP)

TOP has enforced security provided under the EPC contract between TOP and the Consortium of PSS Netherlands B.V. (Offshore Contractor) and an unincorporated joint venture of Samsung E&A (Thailand) Co., Ltd., Petrofac South East Asia Pte. Ltd., and Saipem Singapore Pte. Ltd. (Onshore Contractor), in accordance with the contract and in the interest of TOP and its shareholders, in an amount of approximately USD 358 million, approximately equivalent to Baht 12,339 million. TOP received such enforcement proceeds in January 2025 and will record the transaction in the first quarter of 2025, deducting the cost of construction in progress of the CFP Project amounting to approximately Baht 12,241 million, and recording other income amounting to approximately Baht 98 million.

assets
Right-of-use
17.

Details of right-of-use assets are as follows:

			Consolid	Consolidated financial statements	atements		
	Land	Buildings	Machinery	Vehicles	Exploration and	Other	Total
		and building	and		production	assets	
		improvements	equipment		properties		
As at 1 January 2023							
Cost	72,539	5,218	31,571	6,570	41,476	13,196	170,570
Less Accumulated depreciation	(21,101)	(1,868)	(9,953)	(2,302)	(10,025)	(1,257)	(46,506)
Allowance for impairment of assets	(11)	ı	,		,	ı	(11)
Net book value	51,427	3,350	21,618	4,268	31,451	11,939	124,053

(Continued)	
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17	

Details of right-of-use assets are as follows: (Continued)

Unit: Million Baht

123

			Consolic	Consolidated financial statements	atements		
	Land	Buildings	Machinery	Vehicles	Exploration and	Other	Total
		and building	and		production	assets	
		improvements	equipment		properties		
For the year ended 31 December 2023							
Beginning net book value	51,427	3,350	21,618	4,268	31,451	11,939	124,053
- Additions	1,802	2,161	1,135	1,071	4,864	315	11,348
- Modification	64	44	772	ı	852	(14)	1,718
- Reclassifications	ı	ı	-	30	ı	ı	31
- Termination	(26)	(247)	(101)	(20)	(862)	~	(1,255)
- Depreciation for the year	(3,147)	(1,904)	(2,722)	(1,822)	(8,484)	(1,488)	(19,567)
- Classified to assets held for sale	I	(4)	I	ı	I	ı	(4)
- Exchange differences on translation of							
financial statements	-	(8)	9	21	(245)	ı	(225)
Ending net book value	50,121	3,392	20,709	3,548	27,576	10,753	116,099
As at 31 December 2023							
Cost	74,169	5,473	32,124	6,662	43,052	13,441	174,921
Less Accumulated depreciation	(24,037)	(2,081)	(11,415)	(3,114)	(15,476)	(2,688)	(58,811)
Allowance for impairment of assets	(11)	'	,		,	ı	(11)
Net book value	50,121	3,392	20,709	3,548	27,576	10,753	116,099

Unit: Million Baht

	Land	Buildings	Machinery	Vehicles	Exploration and	Other	Total
		and building	and equipment		production	assets	
		improvements			properties		
For the year ended 31 December 2024							
Beginning net book value	50,121	3,392	20,709	3,548	27,576	10,753	116,099
- Additions	5,923	1,552	1,405	1,890	13,390	394	24,554
- Modification	1,003	17	(10)	(15)	(519)	(469)	7
- Reclassifications	6	6	I	318	(305)	I	31
- Termination	(115)	(63)	(65)	(57)	,	(1)	(331)
- Depreciation for the year	(3,332)	(1,590)	(2,893)	(1,853)	(11,650)	(1,726)	(23,044)
- Loss on impairment	(191)	(42)	(52)	(11)	ı	I	(296)
- Exchange differences on translation of financial							
statements	(156)	(77)	(47)	(21)	(239)	(2)	(542)
Ending net book value	53,262	3,168	19,047	3,799	28,253	8,949	116,478
As at 31 December 2024							
Cost	79,355	5,469	32,173	7,650	51,019	13,236	188,902
Less Accumulated depreciation	(25,906)	(2,262)	(13,076)	(3,841)	(22,766)	(4,287)	(72,138)
Allowance for impairment of assets	(187)	(39)	(20)	(10)	,	1	(286)
Net book value	53,262	3,168	19,047	3,799	28,253	8,949	116,478

Details of right-of-use assets are as follows: (Continued)



## 17. Right-of-use assets (Continued)

Details of right-of-use assets are as follows: (Continued)

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Unit:	<b>IOIIIII</b>	ו Baht

	Separate financial statements					
-	Land	Buildings	Machinery	Vehicles	Other assets	Total
		and building	and			
		improvements	equipment			
- As at 1 January 2023		·				
Cost	29,888	39	11,397	3,611	214	45,149
Less Accumulated depreciation	(12,483)	(25)	(6,844)	(885)	(36)	(20,273)
Allowance for impairment						
of assets	(7)			-		(7)
Net book value	17,398	14	4,553	2,726	178	24,869
For the year ended						
31 December 2023						
Beginning net book value	17,398	14	4,553	2,726	178	24,869
- Additions	294	2	292	399	117	1,104
- Modification	5	-	2	(1)	(63)	(57)
- Reclassifications	(15)	-	-	-	-	(15)
- Depreciation for the year	(1,073)	(9)	(597)	(750)	(49)	(2,478)
Ending net book value	16,609	7	4,250	2,374	183	23,423
As at 31 December 2023						
Cost	30,161	38	11,686	3,657	267	45,809
Less Accumulated depreciation	(13,545)	(31)	(7,436)	(1,283)	(84)	(22,379)
Allowance for impairment						
of assets	(7)	-	-	-		(7)
Net book value	16,609	7	4,250	2,374	183	23,423



### 17. Right-of-use assets (Continued)

Details of right-of-use assets are as follows: (Continued)

	Separate financial statements					
	Land	Buildings	Machinery	Vehicles	Other assets	Total
		and building	and			
		improvements	equipment			
For the year ended						
31 December 2024						
Beginning net book value	16,609	7	4,250	2,374	183	23,423
- Additions	238	14	2,403	784	200	3,639
- Modification	(40)	9	8	(15)	(64)	(102)
- Reclassifications	(14)	-	-	15	36	37
- Termination	-	-	-	(7)	-	(7)
- Depreciation for the year	(1,033)	(14)	(667)	(1,024)	(93)	(2,831)
Ending net book value	15,760	16	5,994	2,127	262	24,159
As at 31 December 2024						
Cost	30,138	38	14,041	4,282	403	48,902
Less Accumulated depreciation	(14,371)	(22)	(8,047)	(2,155)	(141)	(24,736)
Allowance for impairment						
of assets	(7)			-		(7)
Net book value	15,760	16	5,994	2,127	262	24,159



## 18. Goodwill

Movements in goodwill are as follows:

	Consolidated	
	financial statements	
	2024	2023
Net book value as at 1 January	183,731	188,964
- Business acquisition	687	-
- Loss on impairment of assets	-	(4,255)
- Write-off	-	(2,623)
- Classified as assets held for sale	-	(236)
- Exchange differences on translation of financial statements	(5,511)	1,881
Net book value as at 31 December	178,907	183,731



## 19. Other intangible assets other than goodwill

Details of other intangible assets other than goodwill are as follows:

	Consolidated financial statements					
	Computer Customer Copyright,		Others	Total		
	software	contracts	license and			
			trademark			
As at 1 January 2023						
Cost	38,467	68,006	47,952	40,064	194,489	
Less Accumulated amortization	(25,071)	(13,029)	(9,329)	(9,788)	(57,217)	
Allowance for impairment						
of assets	(26)	-	(3)	(192)	(221)	
Net book value	13,370	54,977	38,620	30,084	137,051	
For the year ended						
31 December 2023						
Beginning net book value	13,370	54,977	38,620	30,084	137,051	
- Additions	2,608	-	1,900	1,129	5,637	
- Reclassifications	1,841	34	3,500	(4,028)	1,347	
- Disposal and write-off - net	(113)	-	(243)	(53)	(409)	
- Amortization for the year	(3,773)	(2,686)	(3,433)	(1,878)	(11,770)	
- Loss on impairment of assets	-	-	(103)	-	(103)	
- Business disposal	(88)	-	-	(28)	(116)	
- Classified as assets held for sale	(36)	-	(2,749)	-	(2,785)	
- Exchange differences on translation						
of financial statements	(93)	483	226	844	1,460	
Ending net book value	13,716	52,808	37,718	26,070	130,312	
As at 31 December 2023						
Cost	42,016	68,683	50,153	37,885	198,737	
Less Accumulated amortization	(28,274)	(15,875)	(12,159)	(11,793)	(68,101)	
Allowance for impairment		· · · - · · · · · · · · · · · · · · · ·	/	· · · · · /	/	
of assets	(26)	-	(276)	(22)	(324)	
Net book value	13,716	52,808	37,718	26,070	130,312	

# 19. Other intangible assets other than goodwill (Continued)

Details of other intangible assets other than goodwill are as follows: (Continued)

	Consolidated financial statements				
	Computer	Customer	Copyright,	Others	Total
	software	contracts	license and		
			trademark		
For the year ended					
31 December 2024					
Beginning net book value	13,716	52,808	37,718	26,070	130,312
- Business acquisitions	1	-	-	456	457
- Additions	3,594	-	1,281	1,183	6,058
- Borrowing costs	10	-	-	-	10
- Reclassifications	4,470	35	35	(652)	3,888
- Disposal and write-off - net	(98)	-	-	(90)	(188)
- Amortization for the year	(4,272)	(2,675)	(3,117)	(1,832)	(11,896)
- Loss on impairment of assets	(9)	-	(423)	(54)	(486)
- Business disposal	(13)	-	-	-	(13)
- Exchange differences on translation					
of financial statements	(44)	(1,108)	(914)	(1,538)	(3,604)
Ending net book value	17,355	49,060	34,580	23,543	124,538
			- <u> </u>		
As at 31 December 2024					
Cost	48,879	67,167	50,145	36,574	202,765
Less Accumulated amortization	(31,490)	(18,107)	(14,910)	(12,959)	(77,466)
Allowance for impairment					
of assets	(34)	_	(655)	(72)	(761)
Net book value	17,355	49,060	34,580	23,543	124,538



# 19. Other intangible assets other than goodwill (Continued)

Details of other intangible assets other than goodwill are as follows: (Continued)

			Unit: Million Baht		
	Separate financial statements				
	Computer	Others	Total		
	software				
As at 1 January 2023					
Cost	10,878	36	10,914		
Less Accumulated amortization	(8,188)	-	(8,188)		
Allowance for impairment of assets	(24)	-	(24)		
Beginning net book value	2,666	36	2,702		
For the year ended 31 December 2023					
Beginning net book value	2,666	36	2,702		
- Additions	157	-	157		
- Reclassifications	813	1	814		
- Disposal and write-off - net	(31)	-	(31)		
- Amortization for the year	(1,050)	-	(1,050)		
Ending net book value	2,555	37	2,592		
As at 31 December 2023					
Cost	11,510	37	11,547		
Less Accumulated amortization	(8,932)	-	(8,932)		
Allowance for impairment of assets	(23)	-	(23)		
Net book value	2,555	37	2,592		



## 19. Other intangible assets other than goodwill (Continued)

Details of other intangible assets other than goodwill are as follows: (Continued)

Unit:	Million	Baht
Orne.		Dun

	Separate financial statements				
	Computer Others		Total		
	software				
For the year ended 31 December 2024					
Beginning net book value	2,555	37	2,592		
- Additions	95	-	95		
- Reclassifications	412	-	412		
- Amortization for the year	(1,019)	-	(1,019)		
Ending net book value	2,043	37	2,080		
As at 31 December 2024					
Cost	11,886	37	11,923		
Less Accumulated amortization	(9,819)	-	(9,819)		
Allowance for impairment of assets	(24)	-	(24)		
Net book value	2,043	37	2,080		



# 20. Exploration and evaluation assets

Movements in petroleum exploration and evaluation assets are as follows:

	Unit: Million Baht	
	Consc	olidated
	financial s	statements
	2024	2023
Net book value as at 1 January	94,331	106,161
- Additions	5,148	5,531
- Reclassifications	(4,979)	(7,770)
- Disposal and write-off - net	(1,523)	(2,182)
- Business acquisitions	-	(6,542)
- Reclassified to assets held for sale	(2,066)	-
- Exchange differences on translation of financial statements	(527)	(867)
Net book value as at 31 December	90,384	94,331

### 21. Impairment of assets

The Group performs an impairment test on assets whenever events or circumstances suggest that the carrying amount of the assets may exceed its recoverable amount. For the intangible assets with indefinite useful lives or not yet available for use and goodwill from business combination, the Group perform impairment tests annually or when the indication exists. A loss on impairment is recognized when the recoverable amount of an asset is lower than its carrying amount. The recoverable amount is the higher of the asset's fair value less cost to sell and its value in use.

Losses on impairment of assets, excluding goodwill, may be reversed if the estimates and assumptions applied in determining the recoverable amount change.

In determining recoverable amounts, the Group applied significant estimates and assumptions related to various matters, such as the short-term forward oil price curve, e.g. Brent and Dubai, and the long-term oil price based on global supply and demand, estimates made by the project management team regarding the capital expenditure and operating expenditure approved by management using the constant inflation rate at rate of 2% for periods beyond five years, exchange rates, discount rates, and past industry performance. These estimates and assumptions were consistent with external information sources. The significant assumptions used in testing the value in use of assets were discount rates from 7.00% to 12.00%.

During the year ended 31 December 2024, the Group recognized loss on impairment of assets in statements of income as follows:

	Unit: Million Bah	
	Consolidated	
	financial statements	
Investments in joint ventures (Note 14)	516	
Investments in associates (Note 14)	500	
Property, plant and equipment (Note 16)	6,888	
Other assets	1,583	
Total	9,487	

# 22. Income taxes and deferred taxes

Applicable tax rates for the Group are as follows:

	<u>Rates (%)</u>
Petroleum income tax on petroleum business in Thailand	
pursuant to the Petroleum Income Tax Act, B.E. 2514 and B.E. 2532	50
pursuant to the Petroleum Income Tax Act, B.E. 2560	20
Corporate Income tax from the Petroleum business in the Thai-Malaysia	
co-development area under the Petroleum Income Tax Act (No.5) B.E. 2541 and	
Petroleum Income tax in Malaysia	10
Petroleum income tax in foreign countries	20 - 80
Petroleum resource rent tax in Australia	40
Income tax under the Revenue Code of the Company and its subsidiaries	Exempt, 3 - 20
Corporate income tax in foreign countries	5 - 80
Income tax from the profit distribution	10 - 20

22.1 Income taxes recognized in the statements of income for the years ended 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht	
	Conso	lidated	Separate		
	financial s	tatements	financial statements		
	2024	2023	2024	2023	
Current tax:					
Current tax	76,141	79,368	4,367	10,989	
Adjustments in respect of current tax of					
previous year	(1,019)	(1,413)	(245)	(375)	
	75,122 77,955		4,122	10,614	
Deferred tax:					
Change in temporary differences	(7,701)	3,054	57	(4,391)	
Tax effect of currency translation on tax base	(211) 30		-	-	
	(7,912)	3,358	57	(4,391)	
Total	67,210	81,313	4,179	6,223	



### 22. Income taxes and deferred taxes (Continued)

22.2 Reconciliations between income taxes and the accounting profit before income taxes multiplied by the applicable tax rate are as follows:

			L	Init: Million Baht
	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	tatements
	2024	2023	2024	2023
Accounting profit before income taxes	180,678	236,593	78,034	84,607
Appilcable tax rate at 20%	36,136	47,319	15,607	16,921
Tax effect of :				
Income not subject to tax	(4,132)	(2,011)	(12,321)	(7,240)
Non-deductible expenses	22,218	13,578	5,453	625
Expenses deductible at a greater amount	(1,275)	(979)	(117)	(105)
Loss from the entities not subject to tax	782	2,672	-	-
Adjustment in respect of prior year	(1,019)	(1,413)	(245)	(375)
Share of (profit) loss from investment in				
joint ventures and associates	951	(926)	-	-
Tax credit on petroleum royalty	(11,891)	(13,514)	-	-
Differences in tax rate	29,751	33,870	-	-
Deferred tax on functional currency	(211)	304	-	-
Previously deductible temporary differences				
and unrecognized tax losses that is used				
to reduce current tax expense	-	-	(4,186)	(3,608)
Others	(4,100)	2,413	(12)	5
Income taxes	67,210	81,313	4,179	6,223

### 22. Income taxes and deferred taxes (Continued)

#### Impact of international tax reform - Pillar Two model rules

The Group falls within the scope of the Pillar Two model rules published by the Organization for Economic Cooperation and Development (OECD). This includes the collection of top-up tax from large multinational corporations whose effective tax rates from operations in each country are lower than 15%. Accordingly, the Group has applied the mandatory exception requiring that entities shall neither recognize nor disclose information about deferred tax assets and liabilities related to Pillar Two income taxes.

The Group operates in several countries where Pillar Two legislation has already been enacted and became effective for fiscal years beginning on or after 1 January 2024. The Group's management believes that most of these countries have benefited from the "Transitional Safe Harbour" relief measures. Therefore, the Group has not recognized an additional provision for liabilities related to the top-up tax in the financial statements for the year ended 31 December 2024.

In addition, on 26 December 2024, Thailand enacted such law, which will be effective for fiscal years beginning on or after 1 January 2025. The Group's management is currently assessing the potential impact of the Pillar Two legislation on the Group's financial statements. The management expects that the legislation will not have a significant impact on the Group's financial statements for the year ended 31 December 2025.

### 22.3 Movements in deferred taxes

Deferred income tax assets are recognized for tax loss and carried forwards only to the extent that realization of the related tax benefit through the future taxable profits is probable. The Group does not recognize deferred tax asset from tax losses of Baht 33,720 million (2023: Baht 32,053 million) to carry forward against future taxable income. Some portions of tax losses could be carried forward against future taxable income without expiration invalid and some portions will be expired during 2025 to 2044.

Unit: Million Baht

Income taxes and deferred taxes (Continued)

22.

22.3 Movements in deferred taxes (Continued)

	Net balance	Profit (loss)	Other	Currency	Others	As	As at 31 December 2024	024
	as at		Comprehensive	translation		Net Balance	Deferred	Deferred tax
	1 January 2024		income (loss)	differences			tax assets	liabilities
Trade and other current receivables	(686)	89	1	(1)	,	(598)	744	(1,342)
Inventories	(404)	647	(1)	(17)	ı	225	349	(124)
Investments measured at fair value through								
other comprehensive income	(553)	9	1,602		53	1,108	4,052	(2,944)
Other investments in financial assets	(328)	(15)	ı	19	ı	(324)	109	(433)
Property, plant and equipment	(87,642)	129	I	880	(2,323)	(88,956)	12,974	(101,930)
Right-of-use assets	(3,002)	(442)	I	(639)	(1,655)	(5,738)	6,245	(11,983)
Intangible assets	(7,487)	511	I	991	(10,296)	(16,281)	5,711	(21,992)
Derivatives	1,550	(598)	230	(36)	(06)	1,056	1,411	(355)
Loans	(88)	(6)	I	I	ı	(86)	I	(88)
Lease liabilities	6,109	563	I	601	1,605	8,878	14,283	(5,405)
Provisions for employee benefits	6,844	314	293	(44)	N	7,409	7,409	1
Provision for decommissioning costs	31,445	4,336	I	(396)	12,205	47,590	47,592	(2)
Cumulative loss carried forward	9,563	1,976	I	(06)	ı	11,449	11,449	
Tax effect of currency translation on								
tax base	(851)	210	I	(6)	ı	(650)	I	(650)
Others	5,314	195	2	(177)	T	5,334	8,397	(3,063)
Total before set-off of taxes	(40,217)	7,912	2,126	1,082	(499)	(29,596)	120,725	(150,321)
Set-off of taxes						ı	(73,902)	73,902
Net deferred tax assets (liabilities)						(29 596)	46 823	(76 419)

Unit: Million Baht

Income taxes and deferred taxes (Continued)

22.

22.3 Movements in deferred taxes (Continued)

Nut balance         Porte         Cuencio					Consolidated financial statements	incial statements			
ael         Compension         Intension         Intension         Intension         Defende		Net balance	Profit (loss)	Other	Currency	Others	As	at 31 December 2	023
1 January 2023         norme (noss)         differences         i		as at		Comprehensive	translation		Net Balance	Deferred	Deferred tax
and other current receivables         (11,33)         11,144         -         -         -         (666)         770           refer         (242)         (192)         -         (5)         35         (404)         442           refer         (13,32)         (11,32)         (11,32)         (11,32)         2,577         442           refer         (3326)         9         3,373         -         (9)         (553)         2,677           recomprehensive income         (33,47)         (116)         -         (9)         (328)         11         1939         1           recomprehensive income         (33,47)         (342)         (117)		1 January 2023		income (loss)	differences			tax assets	liabilities
rie         (22)         (19)         -         (5)         35         (40)         42           rents measured at far value through         (320)         9         3,373         -         (9)         (553)         2,677           rents measured at far value through         (320)         9         3,373         -         (9)         (53)         2,677           rents measured at far value through         (3)         (1)         (1)         (1)         (10)         2,677           rents measured at far value through         (3)         (1)         (1)         (1)         2,677         2,677           rents in francial assets         (3)         (1)         (1)         (1)         (1)         1           value static         (3)         (1)         (1)         (1)         (1)         (1)         (1)           value static         (3)         (1)         (1)         (1)         (1)         (1)         (1)           value static         (6)         (1)         (1)         (1)         (1)         (1)         (1)           value static         (1)         (1)         (1)         (1)         (1)         (1)         (1)         (1) <td< td=""><td>Trade and other current receivables</td><td>(11,830)</td><td>11,144</td><td>1</td><td>1</td><td></td><td>(686)</td><td>270</td><td>(1,456)</td></td<>	Trade and other current receivables	(11,830)	11,144	1	1		(686)	270	(1,456)
memory is a start of the form o	Inventories	(242)	(192)	I	(5)	35	(404)	442	(846)
r comprehensive income         (3926)         9         3,373         -         (9)         (553)         2,677           rvestments in financial assets         (477)         (116)         -         2         233         (328)         1           vy plant and equipment         (73964)         (7729)         -         (87)         138         (87,642)         11399         (           vy plant and equipment         (7729)         345         -         (410)         (71)         7,487         6,426         11399         (           visual assets         (3347)         345         -         (410)         (411)         (7,487)         6,426         1,1329         (           visual assets         (5902)         (74)         7         (40)         (7,19)         7         (	Investments measured at fair value throug	dh							
westments in financial assets         (47)         (116)         -         2         263         (328)         1           y, plant and equipment         (79,964)         (7729)         -         (87)         138         (87,642)         11939         (87           r-use assets         (3,347)         345         -         (41)         (7,47)         782         (7           ble assets         (5902)         (74)         (74)         (7,47)         (7497)         6,424         (11           ble assets         (1303)         7         4         -         (11)         (13,02)         782         (1           ble assets         (150)         (16)         (16)         (16)         (17)         (17,12)         782         (17)           ble assets         (16,12)         (16)         (16)         (16)         (17)         (17,12)         782         (17)           ble assets         (15,12)         (16)         (16)         (16)         (16)         (17)         (17,12)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)         (17)	other comprehensive income	(3,926)	6	3,373	ı	(6)	(553)	2,677	(3,230)
V, plant and equipment         (79)         (7,72)         -         (87)         (138)         (87,642)         (1,939)         (39)           r-use assets         (3,347)         345         -         (1)         (1)         (3,002)         782         (3)           r-use assets         (3,347)         345         (7,4)         (7,4)         (7,4)         (7,4)         (7,2)         (72)         (73)         (74)         (74)         (73)         (73)         (73)         (73)         (74)         (74)         (71)         (73)         (7	Other investments in financial assets	(477)	(116)	I	2	263	(328)	~	(329)
i-luse assets         (3,37)         345         -         1         (1)         (3,02)         782         (6           bie assets         (6,902)         (74)         -         (40)         (47)         (7,48)         6,424         (1)           bie assets         (72)         (16)         -         (10)         (7,48)         6,424         (1)           bie assets         (72)         (16)         -         (10)         (7)         (7,93)         5,424         (1)           bie bilities         (72)         (16)         -         (10)         (7)         7         6,424         (1)           biblities         (73)         1         -         (13)         -         (13)         5,53         1,712         1,712           or for employee benefits         6,540         2.02         157         (16)         (13)         1,145         31,615         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,715         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         1,712         <	Property, plant and equipment	(79,964)	(7,729)	I	(87)	138	(87,642)	11,939	(99,581)
be assets (6.902) (74) - (40) (471) (7,487) (6,424 (17) (7,487) (1,487) (1,487) (1,487) (1,487) (1,487) (1,487) (1,487) (1,182) (1,19	Right-of-use assets	(3,347)	345	I	~	(1)	(3,002)	782	(3,784)
West         1,842         (303)         7         4         -         1,550         1,712 $(72)$ $(16)$ - $(16)$ - $(16)$	Intangible assets	(6,902)	(74)	I	(40)	(471)	(7,487)	6,424	(13,911)
	Derivatives	1,842	(303)	7	4	I	1,550	1,712	(162)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Loans	(72)	(16)	I	(1)	I	(88)	5	(94)
6,540 $202$ $157$ $(16)$ $(39)$ $6,844$ $6,879$ $34,572$ $(3,132)$ $ 5$ $ 31,445$ $31,615$ $31,615$ $14,489$ $(4,964)$ $ 20$ $18$ $9,563$ $9,564$ $14,489$ $(4,964)$ $ 20$ $18$ $9,563$ $9,564$ $16$ $26$ $(306)$ $ 20$ $18$ $9,563$ $9,564$ $10$ $(586)$ $(306)$ $ 20$ $18$ $9,563$ $ 4,997$ $323$ $ 33$ $(39)$ $5,314$ $8,475$ $(12)$ $(40,212)$ $(3,358)$ $3,537$ $(105)$ $(79)$ $(40,217)$ $87,394$ $(12)$ $(40,217)$ $(3,217)$ $(2,217)$ $(2,217)$ $(2,478)$ $(3,212)$	Lease liabilities	4,694	1,451	I	(37)	-	6,109	6,109	
sts       34,572       (3,132)       -       5       -       31,445       31,615       31,615         14,489       (4,964)       -       20       18       9,563       9,564       9,564         n       (586)       (306)       -       16       25       (851)       -       -         (586)       (306)       -       16       25       (851)       -       -         (4,997)       323       -       33       (39)       5,314       8,475       (37)         (40,212)       (3,358)       3,537       (105)       (79)       (40,217)       87,394       (12)         .       (40,217)       (3358)       3,537       (105)       (79)       (40,217)       42,478       (85)	Provisions for employee benefits	6,540	202	157	(16)	(39)	6,844	6,879	(35)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Provision for decommissioning costs	34,572	(3,132)	I	5	I	31,445	31,615	(170)
n (586) (306) - 16 25 (851) - 4,997 323 - 33 (39) 5,314 8,475 (3) (40,212) (3,358) 3,537 (105) (79) (40,217) 87,394 (127) - (44,916) 44 (40,217) 42,478 (8)	Cumulative loss carried forward	14,489	(4,964)	I	20	18	9,563	9,564	(1)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Tax effect of currency translation on								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	tax base	(586)	(306)	I	16	25	(851)	ı	(851)
(40,212) (3,358) 3,537 (105) (79) (40,217) 87,394 (1 - (44,916) (40,217) 42,478 (40,217) (42,478 (42,478 (40,217) (42,478 (40,2178 (40,2178 (40,2178) (42,478 (40,2178) (42,478 (40,2178 (40,2178 (40,2178) (42,47	Others	4,997	323	I	33	(39)	5,314	8,475	(3,161)
- (44,916) (40,217) 42,478	Total before set-off of taxes	(40,212)	(3,358)	3,537	(105)	(62)	(40,217)	87,394	(127,611)
(40,217) 42,478	Set-off of taxes						I	(44,916)	44,916
	Net deferred tax assets (liabilities)						(40,217)	42,478	(82,695)

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22.3 Movements in deferred taxes (Continued)

Unit: Million Baht

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			Separate financial statements	al statements		
	Net balance as at	Profit (loss)	Other comprehensive		As at 31 December 2024	
	1 January 2024		income (loss)	Net balance	Deferred tax assets	Deferred tax liabilities
Trade and other current receivables	31	10		41	69	(28)
Inventories	95	(82)	ı	13	13	ı
Investments measured at fair value through other						
comprehensive income - equity instruments	(470)	ı	230	(240)	I	(240)
Other investments in financial assets	(53)	6	ı	(44)	6	(53)
Property, plant and equipment	463	(62)		401	401	·
Right-of-use assets	(1,873)	(318)	,	(2,191)	I	(2,191)
Intangible assets	53	(11)		36	36	·
Derivatives	840	23	,	863	863	·
Lease liabilities	1,932	307	ı	2,239	2,239	I
Provisions for employee benefits	1,358	82	144	1,584	1,584	T
Provisions for decommissioning costs	2	26	ı	28	28	I
Others	1,007	(36)	ı	971	1,134	(163)
Total before set-off of taxes	3,385	(58)	374	3,701	6,376	(2,675)
Set-off of taxes				1	(2,675)	2,675
Net deferred tax assets (liabilities)				3,701	3,701	·

(Continued)
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22.3 Movements in deferred taxes (Continued)

			Separate financial statements	al statements		
	Net balance as at	Profit (loss)	Other comprehensive		As at 31 December 2023	3
	1 January 2023		income (loss)	Net balance	Deferred tax assets	Deferred tax liabilities
Trade and other current receivables	(5,017)	5,048		31	74	(43)
Inventories	41	54	ı	95	95	ı
Investments measured at fair value through other	er					
comprehensive income - equity instruments	(811)	ı	341	(470)	·	(470)
Other investments in financial assets	(80)	27		(53)	4	(54)
Property, plant and equipment	409	54		463	463	
Right-of-use assets	(2,015)	142		(1,873)	·	(1,873)
Intangible assets	72	(19)	ı	53	53	
Derivatives	1,178	(338)	ı	840	840	ı
Lease liabilities	2,080	(148)		1,932	1,932	
Provisions for employee benefits	1,200	67	91	1,358	1,358	
Provisions for decommissioning costs	ı	7	,	0	2	
Others	1,505	(498)	ı	1,007	1,023	(16)
Total before set-off of taxes	(1,438)	4,391	432	3,385	5,841	(2,456)
Set-off of taxes				I	(2,456)	2,456
Net deferred tax assets (liabilities)			I	3,385	3,385	

# 23. Other non-current assets

Details of other non-current assets as at 31 December 2024 and 2023 are as follows:

			Sint: Million Bant
Conso	lidated	Sepa	arate
financial s	statements	financial s	tatements
2024	2023	2024	2023
2,705	1,731	22	35
13,109	11,932	-	-
3,669	4,225	1,117	1,063
19,483	17,888	1,139	1,098
	financial s 2024 2,705 13,109 3,669	2,705         1,731           13,109         11,932           3,669         4,225	financial statements         financial statements           2024         2023         2024           2,705         1,731         22           13,109         11,932         -           3,669         4,225         1,117

### 24. Trade payables

Details of trade payables as at 31 December 2024 and 2023 are as follows:

			ι	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	tatements
	2024	2023	2024	2023
Trade payables - non-related parties	232,931	239,295	91,811	90,602
Oil fuel fund payable and excise tax payable	5,736	3,099	383	588
Trade payables - related parties				
(Note 9.4)	1,526	991	43,714	58,137
Total	240,193	243,385	135,908	149,327

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# 25. Other current payables

Details of other current payables as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Consc	lidated	Sepa	arate
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Other current payables - non-related parties	46,756	54,327	8,817	12,902
Accrued interest expenses	6,496	7,248	1,132	1,796
Advance received	8,218	7,973	438	327
Others	4,463	9,311	148	268
Other current payables - related parties				
(Note 9.5)	1,533	1,238	6,901	7,431
Total	67,466	80,097	17,436	22,724

### 26. Other current liabilities

Details of other current liabilities as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Conso	lidated	Sep	arate
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
Undue output VAT	4,613	4,996	3,411	3,770
Provision for remuneration for the renewal of				
petroleum production	1,842	1,950	-	-
Others	7,362	4,280	13	3
Total	13,817	11,226	3,424	3,773

27. Borrowings and lease liabilities

27.1 Details of borrowings and lease liabilities are as follows:

Consolidated financial statements

Unit: Million Baht

1		Cash flows fr	Cash flows from financing		Non-ca	Non-cash items		
	As at 1 January 2024	Additions	Repayments	Lease - Additions	(Gain) loss on exchange rates	Exchange differences on translation of financial statements	Others	As at 31 December 2024
Short-term borrowings from								
financial institutions	96,511	567,421	(560,721)	ı	10	(447)	ı	102,774
Short-term borrowings -								
related parties (Note 9.5)	6,500	1,679	(57)	1	134	(109)	I	8,147
Borrowings - Baht currency	199,904	49,223	(29,420)			ı	ı	219,707
Borrowings - foreign currencies*	65,398	7,434	(11,241)	1	34	(3,238)	407	58,794
Debentures - Baht currency	398,995	15,477	(66,354)		220	(220)	64	348,182
Debentures - foreign currencies**	296,405	I	(26,621)		60	(806)	(3,721)	265,317
Lease liabilities	97,729	I	(21,240)	25,754	(65)	(1,843)	2,940	103,275
Total	1,161,442	641,234	(715,654)	25,754	393	(6,663)	(310)	1,106,196

\* The borrowings of PTT Treasury Center Co., Ltd. is guaranteed by the Company which the maximum liability under the guarantee will be capped at an amount equal to 125% of the principal or equivalent to JPY 28,750 Million. \*\* The debentures of PTT Treasury Center Co., Ltd. is guaranteed by the Company which the maximum liability under the guarantee will be capped at an amount equal to 125% of the principal or equivalent to approximately USD 1,594 Million.

Borrowings and lease liabilities (Continued) 27.

Details of borrowings and lease liabilities are as follows: (Continued) 27.1

							Unit: Million Baht
			Separ	Separate financial statements	nents		
	As at	Cash flows from financing	om financing		Non-cash items		As at
	1 January	Additions	Repayments	Lease -	Gain on	Others	31 December
	2024			Additions	exchange rates		2024
Short-term borrowings -							
related parties (Note 9.5)	18,297	1,715	(3,193)	I	I	I	16,819
Borrowings - Baht currency	29,422	I	I	ı	I	28	29,450
Borrowings - foreign currencies	49,379	I	I	ı	(925)	Ċ	48,457
Debentures - Baht currency	143,281	499	(39,354)	I	I	14	104,440
Debentures - foreign currencies	9,997	I	I	ı	(02)	5	9,932
Lease liabilities	9,072	I	(1,772)	3,636	(37)	(240)	10,659
Total	259,448	2,214	(44,319)	3,636	(1,032)	(190)	219,757

### 27. Borrowings and lease liabilities (Continued)

27.2 Interest rates charged on borrowings and lease liabilities as at 31 December 2024 and 2023 are as follows:

### Unit: % per annum

	Conso	olidated	Sep	arate
	financial	statements	financial	statements
	2024	2023	2024	2023
Short-term borrowings from				
financial institutions	0.60 - 22.35	0.00 - 10.00	-	-
Loans - Baht currency	2.22 - 6.10	1.99 - 6.10	2.78 - 3.91	2.78 <b>-</b> 3.83
Loans - foreign currencies				
- USD	5.94 - 9.15	5.64 - 9.15	4.20 - 6.38	4.20 - 6.38
- EUR	1.00 - 7.42	1.00 - 5.71	-	-
- JPY	4.45	4.45	4.95	4.95
- Others	2.91 - 7.20	3.60 - 9.59	-	-
Debentures - Baht currency	1.31 - 5.90	0.96 - 6.80	1.31 - 5.90	0.96 - 6.80
Debentures - foreign currency				
- USD	2.50 - 5.88	2.50 - 6.35	4.50 - 5.88	4.50 - 5.88
Lease liabilities	0.09 - 23.06	0.18 - 23.06	0.98 - 9.05	0.72 - 9.05



### 27. Borrowings and lease liabilities (Continued)

27.3 Details of borrowings and lease liabilities as at 31 December 2024 and 2023 are as follows:

Current portion of borrowings and lease liabilities

			ι	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	statements	financial s	tatements
	2024	2023	2024	2023
Loans - Baht currency	51,029	27,428	7,492	-
Loans - foreign currencies	5,856	3,624	-	-
Debentures - Baht currency	20,396	66,347	12,497	39,352
Leases liabilities	20,601	16,077	2,031	1,511
Total	97,882	113,476	22,020	40,863

Long-term borrowings and lease liabilities

			I	Unit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	statements	financial s	statements
	2024	2023	2024	2023
Loans - Baht currency	168,678	172,476	21,958	29,422
Loans - foreign currencies	52,938	61,774	48,457	49,379
Debentures - Baht currency	327,786	332,648	91,943	103,929
Debentures - foreign currency	265,317	296,405	9,932	9,997
Lease liabilities	82,674	81,652	8,628	7,561
Total	897,393	944,955	180,918	200,288

27.4 Long-term loans can be classified by types of interest rate as follows:

			ι	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	tatements
	2024	2023	2024	2023
Floating interest rate	266,611	252,038	29,450	29,423
Fixed interest rate	728,664	806,393	173,488	211,728
Total	995,275	1,058,431	202,938	241,151

As at 31 December 2024, following the execution of an interest rate swap agreement, long-term loans bearing a fixed interest rate account for approximately 70.64% of the Group's total long-term borrowings, as presented in the consolidated financial statements (31 December 2023: 71.60%). In the separate financial statements, such loans account for approximately 66.82% of the Company's total long-term borrowings (31 December 2023: 67.05%).

27.5.1 Loans

### Loans - Baht currency

As at 31 December 2024, details of long-term loans from financial institutions in Baht currency of the Company are as follows:

Repayment terms		3M Compounded THOR plus margin Principal is repayable at the end of contract in July 2025.	6M Compounded THOR plus margin Principal is repayable at the end of contract in September 2026.	6M Compounded THOR plus margin Principal is repayable at the end of contract in June 2027.	Principal is repayable at the end of contract in June 2027.	6M Compounded THOR plus margin Principal is repayable at the end of contract in August 2028.
Interest rate	(percent per annum)	3M Compounded THOR plus margin	6M Compounded THOR plus margin	6M Compounded THOR plus margin	6M FDR plus margin	6M Compounded THOR plus margin
Principal	(unit: million Baht)	7,500	6,000	6,000	5,000	5,000
No.		-	7	c	4	£

Repayment terms		Principal is repayable every 3 months, totalling 16 instalments, commencing in October 2022.	Principal is repayable every 6 months, totalling 20 instalments, commencing in September 2020.	Principal is repayable every 6 months, totalling 19 instalments, commencing in September 2022.	Principal is repayable every 6 months, totalling 9 instalments, commencing in June 2027.	Principal is repayable every 6 months, totalling 12 instalments, commencing in December 2029.
Interest rate	(percent per annum)	THOR plus margin	Fixed rate	1M THOR plus margin	MLR minus discount	3M THOR plus margin
Principal	(unit: million Baht)	1,310	6,000	3,500	5,000	1,000
No.		-	7	С	4	£

27.5.1 Loans (Continued)

Loans - Baht currency (Continued)

Repayment terms		Principal is repayable at the end of contract in June 2026.	Principal is repayable every 6 months, totalling 24 instalments, commencing in June 2018.	Principal is repayable every 6 months, totalling 15 instalments, commencing in June 2018.	Principal is repayable every 6 months, totalling 16 instalments, commencing in September 2024.	Principal is repayable every 6 months, totalling 29 instalments, commencing in June 2017.	Principal is repayable every 3 months, totalling 51 instalments, commencing in October 2022.	Principal is repayable every 3 months, totalling 43 instalments, commencing in September 2024.	Principal is repayable every 6 months, totalling 25 instalments, commencing in April 2024.	Principal is repayable every 6 months, totalling 25 instalments, commencing in October 2023.	Principal is repayable every 6 months, totalling 12 instalments, commencing in October 2023.	Principal is repayable every 6 months, totalling 25 instalments, commencing in October 2023.	Principal is repayable every 6 months, totalling 15 instalments, commencing in May 2021.	Principal is repayable every 6 months, totalling 11 instalments, commencing in June 2021.
Interest rate	(percent per annum)	3M THOR plus margin	6M FDR plus margin	THOR plus margin	THOR plus margin	Fixed rate	Fixed rate	THOR plus margin	MLR minus discount	MLR minus discount	3M THOR plus margin	3M THOR plus margin	3M BIBOR plus margin	3M BIBOR plus margin
Principal	(unit: million Baht)	1,000	7,500	1,319	1,981	169	256	444	6,844	156	1,400	1,000	883	422
No.		9	7	Ø	6	10	1-	12	13	14	15	16	17	18

27.5.1 Loans (Continued)

Loans - Baht currency (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 22 instalments, commencing in October 2020.	Principal is repayable every 6 months, totalling 17 instalments, commencing in February 2022.	Principal is repayable every 6 months, totalling 16 instalments, commencing in January 2024.	Principal is repayable every 6 months, totalling 16 instalments, commencing in February 2024.	Principal is repayable every 6 months, totalling 19 instalments, commencing in September 2022.	Principal is repayable at the end of contract in January 2025.	Principal is repayable every 6 months, totalling 9 instalments, commencing in December 2025.	Principal is repayable at the end of contract in March 2030.	Principal is repayable at the end of contract in August 2030.	Principal is repayable every 6 months, totalling 11 instalments, commencing in March 2025.	Principal is repayable at the end of contract in August 2025.	Principal is repayable every 6 months, totalling 10 instalments, commencing in December 2022.
Interest rate	(percent per annum)	THOR plus margin	THOR plus margin	6M THOR plus margin	6M BIBOR plus margin	1M THOR plus margin	Fixed rate	THOR plus margin	6M FDR plus margin	3M BIBOR plus margin	3M THOR plus margin	6M THOR plus margin	6M FDR plus margin
Principal	(unit: million Baht)	3,185	6,000	1,500	3,000	6,500	3,000	2,000	2,000	2,000	5,000	2,000	1,500
No.		19	20	21	22	23	24	25	26	27	28	29	30

27.5.1 Loans (Continued)

### Loans - Baht currency (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 10 instalments, commencing in October 2023.	Principal is repayable every 3 months, totalling 14 instalments, commencing in April 2023.	Principal is repayable every 6 months, totalling 10 instalments, commencing in March 2022.	Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2023.	Principal is repayable every 6 months, totalling 10 instalments, commencing in October 2023.	Principal is repayable every 6 months, totalling 10 instalments, commencing in October 2023.	Principal is repayable every 6 months, totalling 10 instalments, commencing in November 2020.	Principal is repayable at the end of contract in March 2027.	Principal is repayable every 6 months, totalling 10 instalments, commencing in November 2027.	Principal is repayable every 6 months, totalling 8 instalments, commencing in November 2027.	Principal is repayable every 6 months, totalling 8 instalments, commencing in November 2027.	Principal is repayable every 6 months, totalling 11 instalments, commencing in June 2027.
Interest rate	(percent per annum)	6M FDR plus margin	6M THBFIX plus margin	6M FDR plus margin	6M FDR plus margin	6M FDR plus margin	6M FDR plus margin	6M FDR plus margin	6M FDR plus margin	3M THOR plus margin	1M THOR plus margin	1M THOR plus margin	3M THOR plus margin
Principal	(unit: million Baht)	1,085	275	1,000	1,800	2,450	700	1,500	500	1,500	2,000	3,000	2,000
No.		31	32	33	34	35	36	37	38	39	40	41	42

27.5.1 Loans (Continued)

Loans - Baht currency (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 10 instalments, commencing in April 2028.	Principal is repayable at the end of contract in June 2025.	Principal is repayable every 6 months, totalling 12 instalments, commencing in January 2022.	Principal is repayable every 3 months, totalling 12 instalments, commencing in January 2023.	Principal is repayable every 6 months, totalling 20 instalments, commencing in March 2023.	Principal is repayable every 3 months, totalling 12 instalments, commencing in December 2024.	Principal is repayable every 6 months, totalling 10 instalments, commencing in March 2026.	Principal is repayable every 6 months, totalling 10 instalments, commencing in March 2026.	Principal is repayable every 3 months, totalling 14 instalments, commencing in March 2026.	Principal is repayable every 6 months, totalling 6 instalments, commencing in June 2026.	Principal is repayable every 6 months, totalling 20 instalments, commencing in February 2021.	Principal is repayable every 6 months, totalling 20 instalments, commencing in April 2023.
Interest rate	(percent per annum)	6M FDR plus margin	THOR plus margin	THOR plus margin	MLR minus discount	THOR plus margin	MLR minus discount	THOR plus margin	THOR plus margin	MLR minus discount	Prime rate minus discount	THOR plus margin	THOR plus margin
Principal	(unit: million Baht)	3,000	10,000	10,000	10,000	12,799	10,000	2,000	2,000	15,000	1,000	6,004	1,250
No.		43	44	45	46	47	48	49	50	51	52	53	54

27.5.1 Loans (Continued)

### Loans - Baht currency (Continued)

As at 31 December 2024, details of long-term loans from financial institutions in Baht currency of the subsidiaries are as follows: (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2024.	Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2024.	Principal is repayable at the end of contract in December 2029.	Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2026.	Principal is repayable every 3 months, totalling 12 instalments, commencing in October 2022.	Principal is repayable every months, totalling 36 instalments, commencing in December 2023.	Principal is repayable every 6 months, totalling 17 instalments, commencing in September 2018.	Principal is repayable every 6 months, totalling 16 instalments, commencing in September 2018.	Principal is repayable every 6 months, totalling 12 instalments, commencing in September 2018.	Principal is repayable every 6 months, totalling 15 instalments, commencing in September 2018.	Principal is repayable every 6 months, totalling 15 instalments, commencing in March 2023.	Principal is repayable every 6 months, totalling 12 instalments, commencing in September 2022.
Interest rate	(percent per annum)	6M FDR plus margin	THOR plus margin	THOR plus margin	THOR plus margin	Average THOR plus margin	MLR minus discount	6M FDR plus margin	MLR minus discount	Average THOR plus margin	3M BIBOR plus margin	3M BIBOR plus margin	3M BIBOR plus margin
Principal	(unit: million Baht)	755	755	10,000	2,000	25	45	5,000	10,000	10,000	2,000	1,000	1,500
No.		55	56	57	58	59	60	61	62	63	64	65	66

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27.5.1 Loans (Continued)

### Loans - Baht currency (Continued)

As at 31 December 2024, details of long-term loans from financial institutions in Baht currency of the subsidiaries are as follows: (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 17 instalments, commencing in September 2022.	Principal is repayable every 6 months, totalling 8 instalments, commencing in June 2023.	Principal is repayable every 6 months, totalling 5 instalments, commencing in December 2023.	Principal is repayable every 6 months, totalling 20 instalments, commencing in June 2019.	Principal is repayable at the end of contract.	Principal is repayable every 3 months, totalling 20 instalments, commencing in March 2023.	Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2023.	Principal is repayable at the end of contract in March 2028.	Principal is repayable at the end of contract in March 2028.	Principal is repayable every 3 months, totalling 24 instalments, commencing in June 2025.	Principal is repayable every 6 months, totalling 12 instalments, commencing in June 2025.	Principal is repayable every 3 months, totalling 20 instalments, commencing in June 2025.
Interest rate	(percent per annum)	6M FDR plus margin	THOR plus margin	THOR plus margin	THOR plus margin	THOR plus margin	MLR minus discount	6M BIBOR plus margin	3M BIBOR plus margin	3M THOR plus margin	3M THOR plus margin	3M THOR plus margin	MLR minus discount
Principal	(unit: million Baht)	5,000	42	10	5,400	504	7,000	5,000	500	500	1,000	3,000	1,000
No.		67	68	69	70	71	72	73	74	75	76	77	78

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27.5.1 Loans (Continued)

Loans - Baht currency (Continued)

Repayment terms		Principal is repayable at the end of contract in March 2029.	Principal is repayable at the end of contract in March 2029.	Principal is repayable at the end of contract in March 2031.	Principal is repayable every 6 months, totalling 9 instalments, commencing in December 2026.
Interest rate	(percent per annum)	1M BIBOR plus margin	3M THOR plus margin	3M THOR plus margin	MLR minus discount
Principal	(unit: million Baht)	1,500	1,500	1,000	3,000
No.		79	80	81	82

27.5.1 Loans (Continued)

### Loans - foreign currency

As at 31 December 2024, details of long-term loans from financial institutions in foreign currency of the subsidiaries are as follows:

Repayment terms		Principal is repayable every 12 months, totalling 8 instalments, commencing in September 2025.	Principal is repayable every 6 months, totalling 33 instalments, commencing in March 2024.	Principal is repayable every 6 months, totalling 9 instalments, commencing in June 2020.	Principal is repayable every 6 months, totalling 10 instalments, commencing in December 2025.	Principal is repayable at the end of contract in October 2029.	Principal is repayable at the end of contract in October 2029.	Principal is repayable every December of 2025, 2026, 2028 and 2030.	Principal is repayable every 3 months, totalling 15 instalments, commencing in October 2023.	Principal is repayable every 12 months, totalling 3 instalments, commencing in October 2026.	Principal is repayable at the end of contract in May 2026.	Principal is repayable every 6 months, totalling 5 instalments, commencing in October 2026.	Principal is repayable every 6 months, totalling 5 instalments, commencing in October 2026.	Principal is repayable every 6 months, totalling 4 instalments, commencing in October 2026.
Interest rate	(percent per annum)	SOFR plus margin	TAIBOR	SOFR plus margin	LPR minus discount	EURIBOR plus margin	SOFR plus margin	SOFR plus margin	Fixed rate	Fixed rate	Fixed rate	Fixed rate	Fixed rate	Fixed rate
Currency		USD	NTD	USD	CNY	EUR	USD	USD	USD	KRW	KRW	NTD	USD	NTD
Principal	(million)	185	2,100	20	700	450	300	100	2	60,000	10,000	6,030	27	700
No.		~	2	ю	4	2	9	7	80	6	10	1-	12	13

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27.5.1 Loans (Continued)

### Loans - foreign currency (Continued)

As at 31 December 2024, details of long-term loans from financial institutions in foreign currency of the subsidiaries are as follows: (Continued)

Repayment terms		Principal is repayable every 6 months, totalling 4 instalments, commencing in October 2026.	Principal is repayable every 6 months, totalling 4 instalments, commencing in October 2026.	Principal is repayable at the end of contract in April 2036.	Principal is repayable every 6 months, totalling 18 instalments, commencing in July 2019.
Interest rate	(percent per annum)	Fixed rate	Fixed rate	Fixed rate	COF plus margin
Currency		NTD	NTD	γqι	NN
Principal	(million)	1,314	1,400	23,000*	310,791
No.		14	15	16	17

\* Guaranteed by the Company which the maximum liability under the guarantee will be capped at an amount equal to 125% of the principal or equivalent to JPY 28,750 Million.

The Group has entered into derivative contracts on long-term loans to cover foreign currency exchange rates risks and interest rates risks as mentioned in Note 38.2 and Note 38.4.

27.5.2 Debentures

### Debentures - Baht currency

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the Company are as follows:

Repayment terms		Interest is repayable every 6 months and mature in April 2025.	Interest is repayable every 6 months and mature in May 2025.	Interest is repayable every 6 months and mature in July 2025.	Interest is repayable every 6 months and mature in September 2025.	Interest is repayable every 6 months and mature in August 2026.	Interest is repayable every 6 months and mature in July 2027.	Interest is repayable every 6 months and mature in October 2027.		Interest is repayable every 6 months and mature in August 2028.	Interest is repayable every 6 months and mature in May 2029.	Interest is repayable every 6 months and mature in July 2030.
Interest rate	(percent per annum)	1.79	2.31	2.05	2.38	1.31	2.85	2.45		1.79	3.25	2.84
Period	(years)	σ	7	5	<del>.</del>	Ð	7	5 years	6 months	7	7	10
Par value	(per share)	1,000	1,000	1,000	1,000	1,000	1,000	1,000		1,000	1,000	1,000
Principal	(million Baht)	8,000	1,000	3,000	500	15,000	13,000	3,000		5,000	20,000	2,000
No.		~	2	Ċ	4	Ð	9	7		ω	6	10

27.5.2 Debentures (Continued)

Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the Company are as follows: (Continued)

Repayment terms	Interest is repayable every 6 months and mature in August 2031.	Interest is repayable every 6 months and mature in April 2034.	Interest is repayable every 6 months and mature in July 2035.	Interest is repayable every 6 months and mature in July 2045.
Interest rate (percent per annum)	2.37	3.47	3.20	3.74
Period (years)	10	12	15	25
Par value (per share)	1,000	1,000	1,000	1,000
Principal (million Baht)	8,000	9,000	6,000	7,000
No.	1	12	13	14

27. Borrowings and lease liabilities (Continued)

27.5 Detail of long-term loans and debentures are as follows: (Continued)

27.5.2 Debentures (Continued)

Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the Company in Baht currency are as follows:

Repayment terms		Interest is repayable every 6 months and mature in December 2110.	(The debenture holders can early redeem at the end of 50th and 75th year and	other cases specified in the regulations regarding the rights and obligations of	the issuer and the debenture holders.)
Interest rate		5.90			
Period	(years)	100			
-	(per silare) (years)	1,000			
Principal		4,000			
No.		~			

27.5.2 Debentures (Continued)

Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the subsidiaries are as follows:

Repayment terms	Interest is repayable every 6 months and mature in June 2025.	Interest is repayable every 6 months and mature in June 2027.	Interest is repayable every 6 months and mature in June 2030.	Interest is repayable every 6 months and mature in June 2032.	Interest is repayable every 6 months and mature in June 2037.	Interest is repayable every 6 months and mature in November 2026.	Interest is repayable every 6 months and mature in November 2029.	Interest is repayable every 6 months and mature in November 2031.	Interest is repayable every 6 months and mature in November 2034.	Interest is repayable every 6 months and mature in August 2025.	Interest is repayable every 6 months and mature in August 2030.	Interest is repayable every 6 months and mature in August 2035.	Interest is repayable every 6 months and mature in April 2035.
Interest rate (percent per annum)	2.55	3.04	3.56	3.75	4.40	2.52	2.86	3.15	3.25	2.11	2.94	3.24	3.78
Period (years)	с	Ð	œ	10	15	7	10	12	15	5	10	15	12
Par value (per share)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Principal (million Baht)	1,000	3,000	1,000	3,000	4,000	6,000	8,000	7,500	6,500	1,500	1,000	2,500	3,000
No.	-	N	σ	4	5	Q	7	ω	თ	10	11	12	13

27.5.2 Debentures (Continued)

# Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the subsidiaries are as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in March 2027.	Interest is repayable every 6 months and mature in May 2028.	Interest is repayable every 6 months and mature in March 2031.	Interest is repayable every 6 months and mature in March 2033.	Interest is repayable every 6 months and mature in March 2036.	Interest is repayable every 6 months and mature in September 2025.	Interest is repayable every 6 months and mature in September 2030.	Interest is repayable every 6 months and mature in September 2035.	Interest is repayable every 6 months and mature in May 2026.	Interest is repayable every 6 months and mature in May 2028.	Interest is repayable every 6 months and mature in May 2031.	Interest is repayable every 6 months and mature in May 2036.	Interest is repayable every 6 months and mature in May 2026.
Interest rate	(percent per annum)	2.69	2.86	3.17	3.46	3.70	3.50	3.93	4.40	3.00	2.91	3.38	4.10	3.03
Period	(years)	σ	4	7	0	12	5	10	15	5	7	10	15	4
Par value	(per share)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Principal	(million Baht)	1,000	6,000	4,500	2,300	1,200	4,000	1,300	2,700	4,000	2,000	2,000	2,000	500
No.		14	15	16	17	18	19	20	21	22	23	24	25	26

27.5.2 Debentures (Continued)

Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the subsidiaries are as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in May 2027.	Interest is repayable every 6 months and mature in May 2029.	Interest is repayable every 6 months and mature in May 2032.	Interest is repayable every 6 months and mature in May 2034.	Interest is repayable every 6 months and mature in May 2026.	Interest is repayable every 6 months and mature in May 2028.	Interest is repayable every 6 months and mature in May 2030	Interest is repayable every 6 months and mature in May 2033.	Interest is repayable every 6 months and mature in June 2029.	Interest is repayable every 6 months and mature in November 2026.	Interest is repayable every 6 months and mature in April 2027.	Interest is repayable every 6 months and mature in April 2029.	Interest is repayable every 6 months and mature in April 2032.
Interest rate	(percent per annum)	3.10	4.17	4.52	4.86	3.20	3.70	4.00	4.20	4.82	2.25	2.09	2.69	3.05
Period	(years)	5	7	10	12	Ċ	5	7	10	15	5	5	7	10
Par value	(per share)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Principal	(million Baht)	7,000	750	1,500	2,250	3,203	3,753	3,004	2,041	11,400	6,000	5,000	1,000	6,000
No.		27	28	29	30	31	32	33	34	35	36	37	38	39

27.5.2 Debentures (Continued)

# Debentures - Baht currency (Continued)

As at 31 December 2024, the details of unsecured, unsubordinated debentures in Baht currency of the subsidiaries are as follows: (Continued)

Repayment terms	Interest is repayable every 6 months and mature in May 2026.	Interest is repayable every 6 months and mature in September 2026.	Interest is repayable every 6 months and mature in September 2029.	Interest is repayable every 6 months and mature in April 2027.	Interest is repayable every 6 months and mature in April 2030.	Interest is repayable every 6 months and mature in April 2032.	Interest is repayable every 6 months and mature in April 2035.	Interest is repayable every 6 months and mature in January 2027.	Interest is repayable every 6 months and mature in January 2029.	Interest is repayable every 6 months and mature in January 2032.	Interest is repayable every 6 months and mature in January 2034.	Interest is repayable every 6 months and mature in June 2027.	Interest is repayable every 6 months and mature in June 2034.
Interest rate (percent per annum)	2.51	2.43	2.75	2.60	2.99	3.29	3.50	2.13	2.65	3.05	3.29	3.21	4.00
Period (years)	ю	7	10	7	10	12	15	5	7	10	12	5	12
Par value (per share)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Principal (million Baht)	1,500	7,000	1,500	1,530	3,310	4,360	5,800	14,000	2,000	2,000	12,000	5,000	3,000
No.	40	41	42	43	44	45	46	47	48	49	50	51	52

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27.5.2 Debentures (Continued)

## Debentures - Baht currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in Baht currency is as follows:

Repayment terms		Interest is repayable every 6 months and mature in June 2029.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the depenture holders.)	Interest is repayable every 6 months and mature in March 2027.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2025.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2027.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	3.50			5.05			2.99			3.64		
Period	(years)	7			15			с			5		
Par value	(per share) (years)	1,000			1,000			1,000			1,000		
Principal	(million Baht)	17,000			7,500			1,400			600		
No.		~			2			က			4		

27.5.2 Debentures (Continued)

## Debentures - Baht currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in Baht currency is as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in November 2029.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2032.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2034.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2037.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	4.13			4.49			4.79			5.09		
Period	(years)	7			10			12			15		
Par value	(per share)	1,000			1,000			1,000			1,000		
Principal	(million Baht)	2,000			1,700			3,100			3,200		
No.		5			9			7			8		

27.5.2 Debentures (Continued)

## Debentures - Baht currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in Baht currency is as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in May 2028.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in May 2033.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in May 2038.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	3.32			3.84			4.24		
Period	(years)	5			10			15		
Par value	(per share) (years)	1,000			1,000			1,000		
Principal	(million Baht)	2,800			2,300			4,900		
No.		6			10			-		

27.5.2 Debentures (Continued)

### Debentures - foreign currency

As at 31 December 2024, the details of unsecured, unsubordinated debentures in foreign currency with the debenture holders' early redemption right of the Company are as follows:

Repayment terms		Interest is repayable every 6 months and mature in August 2035.	(The debenture holders can early redeem at anytime regarding the rights and	obligations of the issuer and the debenture holders and other related documents.)	Interest is repayable every 6 months and mature in October 2042.	(The debenture holders can early redeem at anytime regarding the rights and	obligations of the issuer and the debenture holders and other related documents.)
Interest rate	(percent per annum)	5.88			4.50		
Period	(years)	30			30		
Principal Currency Par value	(per share)	1,000			1,000		
Currency		NSD			USD		
Principal	(million)	53			241		
No.		-			2		

27.5.2 Debentures (Continued)

# Debentures - foreign currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in foreign currency are as follows:

Repayment terms		Interest is repayable every 6 months and mature in January 2030.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in June 2042.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in December 2059.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in June 2027.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	2.99			6.35 lt	.)		3.90			2.59 h		
Period	(years)	10			30			40			7		
Principal Currency Par value	(per share) (years)	1,000			1,000			1,000			1,000		
Currency		USD			USD			USD			USD		
Principal	(million)	350			458			600			500		
No.		<del>.                                    </del>			2			с			4		

27.5.2 Debentures (Continued)

# Debentures - foreign currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in foreign currency are as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in March 2031.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in March 2051.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in March 2032.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in March 2052.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	2.98	)		4.30	)		4.40	)		5.20	)	
Period	(years)	10			30			10			30		
Principal Currency Par value	(per share) (years)	1,000			1,000			1,000			1,000		
Currency		USD			USD			USD			USD		
Principal	(million)	630			374			339			103		
No.		2			9			7			ω		

27.5.2 Debentures (Continued)

# Debentures - foreign currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in foreign currency are as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in January 2043.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in January 2043.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2028.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in November 2048.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	4.88	)		4.88	)		4.63	)		5.38		.52
Period	(years)	30			30			10			30		
Principal Currency Par value	(per share) (years)	1,000			1,000			1,000			1,000		
Currency		USD			USD			USD			USD		
	(million)	172			328			400			600		
No.		6			10			1			12		

27.5.2 Debentures (Continued)

Debentures - foreign currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in foreign currency are as follows: (Continued)

Repayment terms		Interest is repayable every 6 months and mature in October 2049.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in June 2030.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)	Interest is repayable every 6 months and mature in June 2050.	(The debenture holders can early redeem regarding the rights and obligations of the	issuer and the debenture holders.)
Interest rate	(percent per annum)	3.50	)		2.50	<u> </u>		3.75	)	
Period	(years)	30			10			30		
Currency Par value	(per sriare) (years)	1,000			1,000			1,000		
Currency		USD			USD			USD		
Principal		565			400			600		
No.		13			14			15		

27.5.2 Debentures (Continued)

# Debentures - foreign currency (Continued)

As at 31 December 2024, the detail of unsecured, unsubordinated debentures with the debenture holders' early redemption right of the subsidiaries in foreign currency are as follows: (Continued)

No.	Principal		Currency Par value	Period	Interest rate	Repayment terms
	(million)		(per share)	(years)	(percent per annum)	
16	245*	USD	1,000	16	5.88	Interest is repayable every 6 months and mature in August 2035.
						(The debenture holders can early redeem regarding the rights and obligations of the
						issuer and the debenture holders.)
17	330**	USD	1,000	23	4.50	Interest is repayable every 6 months and mature in October 2042.
						(The debenture holders can early redeem regarding the rights and obligations of the
						issuer and the debenture holders.)
18	700***	USD	1,000	50	3.70	Interest is repayable every 6 months and mature in July 2070.
						(The debenture holders can early redeem regarding the rights and obligations of the
						issuer and the debenture holders.)
* Guaranteed	d by the Company	which the maximu	* Guaranteed by the Company which the maximum liability under the guarantee will		e capped at an amount equal to	be capped at an amount equal to 125% of the principal or equivalent to approximately USD 306 Million.

\*\*\* Guaranteed by the Company which the maximum liability under the guarantee will be capped at an amount equal to 125% of the principal or equivalent to approximately USD 875 Million. \*\* Guaranteed by the Company which the maximum liability under the guarantee will be capped at an amount equal to 125% of the principal or equivalent to approximately USD 413 Million.

The Group has entered into derivative contracts on debentures to cover foreign currency exchange rates risks and interest rates risks as mentioned in Note 38.2 and Note 38.4.



### 27. Borrowings and lease liabilities (Continued)

27.5 Detail of long-term loans and debentures are as follows: (Continued)

The proceeds from these borrowings and debentures are to be used for working capital and general corporate purposes, repayment of borrowings, capital expenditure, and to provide loans to group companies.

Under the terms of the borrowings and debentures, The Group has to comply with certain conditions as stipulated, such as maintaining net debt to equity ratios, maintaining debt service coverage ratio, and maintaining the Company's shareholding proportion in the subsidiary, etc.

The Group has certain Sustainability-Linked Loan, where the interest rates will be adjusted upon the fulfillment of conditions specified in the agreements if the sustainability targets are achieved.

### 27.6 Lease liabilities

Details of lease liabilities as at 31 December 2024 and 2023 are as follows:

Consol	idated	Sepa	irate
financial s	tatements	financial st	tatements
2024	2023	2024	2023
130,421	121,524	13,062	10,593
(27,146)	(23,795)	(2,403)	(1,521)
103,275	97,729	10,659	9,072
(20,601)	(16,077)	(2,031)	(1,511)
82,674	81,652	8,628	7,561
	financial s 2024 130,421 (27,146) 103,275 (20,601)	130,421         121,524           (27,146)         (23,795)           103,275         97,729           (20,601)         (16,077)	Consolidated     Separation       financial statements     financial statements       2024     2023       130,421     121,524       130,421     (23,795)       (27,146)     (23,795)       103,275     97,729       10,659       (20,601)     (16,077)

### 28. Provision for employee benefits

Details of provision for employee benefits as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
Retirement benefits	32,956	30,807	7,577	6,547
Other long-term benefits	6,338	5,935	342	245
Fair value of plan assets	(2,844)	(2,926)	-	
Total	36,450	33,816	7,919	6,792

Movements in the present value of provision for employee benefits are as follows:

	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	statements
	2024	2023	2024	2023
As at 1 January	33,816	32,356	6,792	5,998
Current service cost	2,227	2,117	415	360
Past service cost	(161)	(10)	-	-
Interest cost	1,129	1,034	211	188
Actuarial loss from provision for				
post-employment benefits	1,757	515	721	460
Actuarial loss from provision for				
other long-term employee benefits	264	31	90	32
Actual payment	(2,369)	(1,862)	(310)	(246)
Return on plan assets	(148)	(23)	-	-
Business acquisition	15	-	-	-
Business disposal	(2)	(134)	-	-
Others	109	193	-	-
Exchange differences on translation				
of financial statements	(187)	(401)	-	
As at 31 December	36,450	33,816	7,919	6,792

The Group expects to pay for the long-term employee benefits within 1 year of Baht 1,754 million (the Company only: Baht 339 million).



### 28. Provision for employee benefits (Continued)

Details of actuarial gain from provision for post-employment benefits are as follows:

				Unit: Million Baht
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
(Gain) loss from experience adjustments	(303)	203	138	124
Loss from changes in financial assumptions	2,017	339	583	336
(Gain) loss from changes in demographic				
assumptions	43	(27)	-	
Total	1,757	515	721	460

Expenses recognized in the statements of income and comprehensive income for the years ended 31 December 2024 and 2023 are as follows:

	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Cost of sales and services	1,032	992	140	106
Selling and distribution expenses	335	266	40	33
Administrative expenses	2,055	1,889	534	439
Management remuneration	37	25	2	2
Other comprehensive loss	1,609	492	721	460
Total	5,068	3,664	1,437	1,040

Principal actuarial assumptions used in determining the present value of provision for post-employment benefits of the Group are as follows:

	Annual percentage rate		
	2024	2023	
Discount rate	1.35 - 7.04	0.66 - 7.30	
Inflation rate	0.00 - 8.00	0.00 - 8.00	
Employee turnover rate	0.00 - 60.00	0.00 - 60.00	
Mortality rate	based on the published	based on the published	
	statistics of each country	statistics of each country	



### 28. Provision for employee benefits (Continued)

Sensitivity analysis of significant actuarial assumption used in determining the present value of provision for postemployment benefits of the Group as at 31 December 2024 and 2023 are as follows:

Unit: Million Baht

Increase (decrease) in present value of the provisions

		·		
	2024	2023		
Discount rate				
Increase 1%	(3,945)	(3,502)		
Decrease 1%	4,820	4,296		

Weighted average duration of the provisions for post-employment benefits of the Group for the year ended 31 December 2024 is 15.23 years (31 December 2023: 15.57 years).

### 29. Provision for decommissioning costs

Movements in the provision for decommissioning costs which will occur in the future are as follows:

				Unit: Million Bant
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
As at 1 January	136,385	110,051	25	_
- Business acquisition	6	-	-	-
- Additional provision	17,108	36,461	112	25
- Finance costs	6,722	5,354	1	-
- Utilization during the year	(3,051)	(10,455)	-	-
- Reversal of non-occurred provision	(3,517)	(3,706)	-	-
- Exchange differences on translation of				
financial statements	(1,554)	(1,320)	-	-
As at 31 December	152,099	136,385	138	25
- Current portion	(3,458)	(2,107)	(26)	-
- Long-term portion	148,641	134,278	112	25

Notes to Financial Statements

### 30. Other non-current liabilities

Other non-current liabilities as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Provision for remuneration for				
the renewal of petroleum production*	4,522	5,441	-	-
Deferred revenue**	20,674	19,679	6,166	5,050
Others	4,885	3,740	-	-
Total	30,081	28,860	6,166	5,050

\* The Group recognized provision for remuneration for production bonus and the renewal of petroleum production which has to pay remuneration fee to the Ministry of Energy by using the discounted cash flows based on the significant assumptions, such as sales volume data, accumulate volume of total petroleum production, oil price and discounted rate, etc.

\*\* Deferred revenue in the consolidated financial statements include advance receipts of availability payments in relation to the availabilities of a subsidiary's power plant, as agreed with EGAT and in accordance with the terms of PPA, amounting to Baht 14,568 million. (2023 : Baht 14,439 million)

### 31. Reserves

### 31.1 Legal reserve

Under the Public Limited Companies Act B.E. 2535, the Company is required to appropriate not less than 5% of its annual net profit to a legal reserve until the reserve fund reaches 10% of the registered share capital. The reserve is non-distributable. The Company's reserve has already reached the 10% of registered share capital stipulated in the Act.

### 31.2 Reserve for self-insurance fund

The self-insurance fund was set up to provide insurance coverage for the Company's business. The Company appropriates net profit from operations and the returns of the fund each year as contributions to the fund.

### 32. Subordinated perpetual debentures

On 13 December 2024, PTT Global Chemical Public Company Limited (PTTGC) issued and offered its subordinated perpetual debentures No. 1/2024 (the "Debentures") for Baht 17,000 million at a par value with bullet payment upon its dissolution or upon the exercise of early redemption right in accordance with stipulated terms and conditions of the Debentures. The Debentures are unsecured and unconvertible. The Debentures bear interest at 5.25% per annum for the first five years and six months. Thereafter, the interest rate for the Debentures shall vary in accordance with the terms and conditions of the Debentures. The Debentures of the Debentures. The interest is paid on a six-month basis. However, PTTGC has the exclusive right to unconditionally defer interest and cumulative interest payments to the debenture holders without any time and outstanding amount limitations. If PTTGC exercises the right to defer interest and cumulative interest payments, it shall not perform the following:

- declare or pay any dividend; and
- pay interest or distribute any assets to the holders of securities issued by the debenture issuer with a legal status equivalent to the debentures, or to the holders of securities with a subordinate legal status.
- redeem, reduce, cancel, acquire or buy back any instruments or securities issued by PTTGC which rank pari passu or junior to these debentures.

Unit: Million Baht

### 33. Sales and service income

Details of sales and service income for the years ended 31 December 2024 and 2023 are as follows:

			Ont. Millon Dant		
	Conso	lidated	Sepa	arate	
	financial s	tatements	financial s	tatements	
	2024	2023	2024	2023	
Oil products	1,950,764	1,955,138	1,148,069	1,205,945	
Gas products	500,416	555,885	595,237	658,181	
Petrochemical products	496,838	492,658	23,207	25,441	
Pharmaceutical products	20,290	21,541	-	-	
Non-oil businesses	24,780	23,505	2	20	
Utilities	78,220	78,886	-	-	
Services	15,004	13,629	2,332	1,067	
Others	4,141	3,642	-		
Total	3,090,453	3,144,884	1,768,847	1,890,654	

Sales and service income for the years ended 31 December 2024 includes revenue from sales to government agencies and state enterprises amounting to Baht 144,035 million (2023 : Baht 168,028 million) in the consolidated financial statements, and Baht 95,065 million (2023 : Baht 121,518 million) in the separate financial statements.

On 19 December 2023, the cabinet meeting passed a resolution regarding the pass-through of natural gas prices in the Gulf of Thailand in case of shortfall (where producers are unable to deliver gas as per the gas sale and purchase agreement). This resolution is part of measures to lower electricity prices.

In this regard, the Energy Regulatory Commission (ERC) ordered the Company to include the shortfall amounting to Baht 4,300 million incurred during the period from October 2020 to December 2022 in the pool gas calculation for January 2024. Therefore, the Company appealed such order to the ERC since the Company believes that it has complied with applicable resolutions of the National Energy Policy Committee (NEPC) and relevant ERC notifications. Furthermore, the Company fulfilled the terms and conditions in accordance with the gas sales agreement. Subsequently, ERC decided to dismiss the Company's appeal, requiring the Company to comply with ERC's order immediately. If the Company disagrees with the ERC's decision, the Company is entitled to file a petition with the Administrative Court or the Office of the Attorney General. This is in accordance with the Rules of the Office of the Prime Minister on the determination of settlement disputes between government agencies and legal proceedings, B.E. 2561 within 90 days from the date of acknowledgement of the ERC's decision.

On 12 January 2024, the Board of Directors, at the special meeting No. 1/2567. passed a resolution approving the Company's compliance with the ERC's decision on the appeal. In response to this resolution, the Company will take into account necessary and appropriate legal measures or exercise its legal rights under applicable laws. The Company therefore included the shortfall in the pool gas calculation, which impacted the Company's sales income in January 2024.

Unit: Million Baht

### 34. Other income

Details of other income for the years ended 31 December 2024 and 2023 are as follows:

	Conso	lidated	Sepa	arate
	financial s	tatements	financial s	tatements
	2024	2023	2024	2023
Transportation income	842	996	7,620	7,094
Dividend income	1,864	2,190	60,925	36,251
Interest income	18,172	12,219	4,322	3,144
Gain (loss) on disposals of assets				
and investments	10,384	6,110	7	(33)
Gain (loss) on investment at fair value				
through profit and loss	544	355	(33)	(143)
Loss on capital decrement of subsidiary	-	-	(26,375)	-
Reverse of allowance on impairment of				
investment	-	-	20,932	18,040
Gain on change in status of investments	-	2,443	-	-
Gain on repurchase of debentures	3,959	2,160	-	-
Others	12,160	12,163	6,242	5,959
Total	47,925	38,636	73,640	70,312

### 35. Expenses by nature

Details of expenses by nature for the years ended 31 December 2024 and 2023 are as follows:

	-	lidated	Sepa	
	2024	statements 2023	2024	statements 2023
Changes in inventories decrease	2,462,553	2,501,373	1,694,627	1,813,697
Staff costs	81,872	80,455	11,160	10,439
Depreciation and amortization	185,918	173,065	19,794	19,459
Expenses related to short-term lease				
agreements	1,483	1,096	31	24
Expenses related to low-value assets				
lease agreements	348	370	104	106
Expenses related to variable rental	746	932	569	718
Loss on impairment of assets and				
investments	9,487	4,942	-	143
Loss from business closure and				
restructuring	5,248	-	-	-
Share of return from investment to				
General Partner	2,218	-	-	-

### 36. Finance costs

Details of finance costs for the years ended 31 December 2024 and 2023 are as follows:

			l	Jnit: Million Baht
	Conso	lidated	Sepa	arate
	financial	statements	financial	statements
	2024	2023	2024	2023
Interest expenses:				
Loans	13,743	12,195	4,203	3,445
Debentures	19,503	22,171	4,203	5,729
Finance leases liabilities	3,544	2,996	231	227
Derivative for cash flow hedge				
instruments	304	363	-	-
Provision for decommissioning costs	6,722	5,354	1	-
Others	1,100	225	-	-
Other finance costs	1,905	2,079	113	81
Total	46,821	45,383	8,751	9,482

### 37. Operating segments

These operating segments are consistent with the internal management reports provided to the Chief Operating Decision Maker (CODM), who makes decisions related to the allocation of resources to the segments and assesses their performance.

For management purposes, the Group is organized into business groups based on types of products and services. The major segments of the Group are as follows:

Upstream petroleum and Natural gas business group

1. Petroleum exploration and production business:

The Group conducts petroleum exploration and production business both domestically and overseas. The Group is the operator and jointly invests with leading petroleum exploration and production companies. Most domestic projects are located in the Gulf of Thailand, while overseas projects are located in Southeast Asia, Australia, America and Africa.

2. Natural gas business:

The Group conducts natural gas business including procurement, natural gas pipeline transmission, distribution, and natural gas separation. Products from the natural gas separation plants are used as feedstock for the petrochemical industry and as fuel in the household, transportation and industry sectors.

### Downstream petroleum business group

1. Oil and retail business:

The Group conducts marketing of petroleum products and lube oil in both domestic and overseas markets under an efficient operating system of procurement, storage, and distribution of products as well as the retail business at service stations.

2. International trading business:

The Group conducts international trading business including the import and export of petroleum and petrochemical products as well as other related products. This includes the price risk management and international chartering.

3. Petrochemical and Refining business:

The Group conducts refining business including the production and distribution of petroleum and petrochemicals products in both domestic and overseas markets.

### 37. Operating segments (Continued)

### New business and sustainability group

During the year, the Company restructured the corporate governance within the Group and renamed the operating segment from "New Business and Infrastructure" to "New Business and Sustainability" ("NBS") to align with the Company's strategy to focus on developing new businesses involving Non-Hydrocarbon sectors alongside the sustainability management of the Group. This includes an emphasis on decarbonization to achieve the Net Zero Emission target of the Group. The NBS Group aims to expand and develop various businesses, including the power business and non-hydrocarbon businesses such as electric vehicles, life sciences and logistics. The NBS Group is also exploring business opportunities in Carbon Capture and Storage and Carbon Capture and Utilization, as well as developing related technologies. In addition, it is exploring hydrogen-related opportunities to, including the development of hydrogen technology businesses to create added value for the organization.

Other operations of the Group are included in other segments, none of which constitutes a separately reportable segment.

# For the year ended 31 December 2024

	Upstream petroleum and natural gas	m and natural gas	Do	Downstream petroleum	шr	New business	Others	Elimination	Unit: Million Baht Total
	Petroleum	Natural gas	Oil and retail	International	Petrochemicals	and			
	exploration			trading	and	sustainability			
	and				refining				
	production								
Sales - others	76,849	410,301	692,500	996,452	819,988	93,387	976	•	3,090,453
- related parties	235,461	169,289	34,533	944,452	532,336	20,815	11,898	(1,948,784)	
Net sales	312,310	579,590	727,033	1,940,904	1,352,324	114,202	12,874	(1,948,784)	3,090,453
Gross profit (loss)*	261,951	71,896	35,036	8,489	91,574	33,667	1,079	(4,909)	498,783
EBITDA	234,368	62,844	18,240	3,095	53,499	25,248	(646)	(111)	396,234
Depreciation and amortization expenses	(94,822)	(19,655)	(7,242)	(1,400)	(46,988)	(13,482)	(2,329)	ı	(185,918)
Segment operating profit (loss)	139,546	43,189	10,998	1,695	6,511	11,766	(3,278)	(111)	210,316
Share of profit (loss) from investments in									
joint ventures and associates	973	2,279	370	I	(10,587)	325	(28)	I	(6,668)
Others	(2,008)	5,603	(985)		(9,874)	4,620	20		(2,624)
Unallocated revenue and expenses:									
Interest income									18,172
Loss on derivatives									(6,933)
Gain on foreign exchange rate									15,235
EBIT									227,498
Profit for the year									113,468

\* Gross profit (loss) excludes depreciation and amortization expenses in cost of sales.

### As at 31 December 2024

									Unit: Million Baht
	Upstream petroler	Upstream petroleum and natural gas	Do	Downstream petroleum	m	New business	Others	Elimination	Total
	Petroleum	Natural gas	Oil and retail	International	Petrochemicals	and			
	exploration			trading	and	sustainability			
	and				refining				
	production								
Segment assets	910,880	394,091	189,908	135,311	1,078,916	319,665	191,915	1	3,220,686
Inter-company assets	22,059	17,569	2,980	61,575	39,258	9,393	5,208	(158,042)	I
Investments in joint ventures and associates	8,631	16,613	9,265		81,375	55,149	242	ſ	171,275
Total segment assets	941,570	428,273	202,153	196,886	1,199,549	384,207	197,365	(158,042)	3,391,961
Non-allocated assets									46,823
Total assets									3,438,784
Segment liabilities	377,509	57,761	67,349	138,261	662,024	182,236	220,348	I	1,705,488
Inter-company liabilities	1,412	13,165	30,329	24,715	55,919	4,686	27,634	(157,860)	ı
Total segment liabilities	378,921	70,926	97,678	162,976	717,943	186,922	247,982	(157,860)	1,705,488
Non-allocated liabilities									76,419
Total liabilities									1,781,907
Capital expenditure	163,320	20,412	9,474	1,138	39,036	11,288	2,777	(3,857)	243,588

									Unit: Million Baht
	Upstream petroleum and natural gas	m and natural gas	Do	Downstream petroleum	m	New business	Others	Elimination	Total
	Petroleum	Natural gas	Oil and retail	International	Petrochemicals	and			
	exploration			trading	and	sustainability			
	and				refining				
	production								
Sales - others	76,241	471,875	737,138	979,240	785,755	91,938	2,697		3,144,884
- related parties	224,453	183,884	34,277	1,052,823	557,795	21,702	10,758	(2,085,692)	
Net sales	300,694	655,759	771,415	2,032,063	1,343,550	113,640	13,455	(2,085,692)	3,144,884
Gross profit (loss)*	259,686	75,796	40,695	8,836	112,749	29,529	4,232	(4,337)	527,186
EBITDA	231,301	66,024	21,403	4,325	80,640	23,336	(362)	228	426,895
Depreciation and amortization expenses	(84,729)	(20,144)	(6,521)	(1,282)	(45,177)	(13,417)	(1,795)		(173,065)
Segment operating profit (loss)	146,572	45,880	14,882	3,043	35,463	9,919	(2,157)	228	253,830
Share of profit (loss) from investments in									
joint ventures and associates	1,069	825	696	ı	(639)	1,367	(2)	I	3,013
Others	(2,414)	1,481	(642)	I	5,131	308	(41)	I	3,823
Unallocated revenue and expenses:									
Interest income									12,219
Loss on derivatives									(13,194)
Gain on foreign exchange rate									22,285
EBIT									281,976
Profit for the year								·	155,280

**Operating segments** (Continued)

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For the year ended 31 December 2023

\* Gross profit (loss) excludes depreciation and amortization expenses in cost of sales.

(Continued)
ng segments
Operatir
37.

As at 31 December 2023

									Unit: Million Baht
	Upstream petroleu	Upstream petroleum and natural gas	Dc	Downstream petroleum	ш	New business	Others	Elimination	Total
	Petroleum	Natural gas	Oil and retail	International	Petrochemicals	and			
	exploration			trading	and	sustainability			
	and				refining				
	production								
Segment assets	843,938	437,627	199,173	140,370	1,142,906	312,719	168,929	ı	3,245,662
Inter-company assets	30,702	18,474	6,029	72,353	46,851	12,806	40,950	(228,165)	
Investments in joint ventures and associates	6,438	5,165	9,513	·	94,343	56,695	168	ı	172,322
Total segment assets	881,078	461,266	214,715	212,723	1,284,100	382,220	210,047	(228,165)	3,417,984
Non-allocated assets									42,478
Total assets									3,460,462
Segment liabilities	349,599	53,180	77,623	159,872	696,941	157,258	258,319	I	1,752,792
Inter-company liabilities	1,361	40,109	32,476	33,684	69,664	22,304	28,550	(228,148)	ı
Total segment liabilities	350,960	93,289	110,099	193,556	766,605	179,562	286,869	(228,148)	1,752,792
Non-allocated liabilities									82,694
Total liabilities									1,835,486
Capital expenditure	117,907	23,654	11,578	718	50,592	12,925	2,695	(1,804)	218,265



### 37. Operating segments (Continued)

### Geographical information

Sales and service income are presented in respect of the geographical location of customers for the years ended 31 December 2024 and 2023 are as follows:

		Unit: Million Baht
	Conso	lidated
	financial s	tatements
	2024	2023
Thailand	1,679,266	1,744,359
Asia	1,178,289	1,167,335
Europe	81,604	66,270
America	83,957	103,986
Others	67,337	62,934
Total	3,090,453	3,144,884

Non-current assets are presented in respect of the geographical location of the assets as at 31 December 2024 and 2023 are as follows:

### Unit: Million Baht

	Conso	idated
	financial s	tatements
	2024	2023
Thailand	1,542,531	1,591,029
Asia	418,197	367,899
Europe	139,474	159,339
America	19,247	22,165
Others	127,892	126,693
Total	2,247,341	2,267,125

Major customers

For the years 2024 and 2023, the Group has no major customer with revenue of 10% or more of the entity's revenues.

# 38.1 Classification of financial assets and liabilities

Unit: Million Baht

Consolidated financial statements

			31 Decen	31 December 2024		
	Measured at	Measured at	Measured at	Measured at	Measured at	Total
	fair value	fair value through	fair value through	fair value through	amortized cost	
	- using hedge	profit or loss	other comprehensive	other comprehensive other comprehensive		
	accounting		income	income		
			- debt instruments	- equity instruments		
Financial assets						
Cash and cash equivalents	ı	I	5	ı	405,134	405,139
Short-term investments in financial assets	ı	N	353	ı	42,829	43,184
Trade receivables	ı	I	I	ı	251,391	251,391
Other current receivables	ı	I	I	ı	28,328	28,328
Short-term lending	ı	I	I	ı	947	947
Long-term investments in financial assets	ı	4,826	523	43,958	5,794	55,101
(include current portion)						
Long-term lending (include current portion)	ı	I	I	ı	44,926	44,926
Derivatives	1,870	8,850	I	ı	ı	10,720
Other current financial assets	I	I	I	ı	728	728
Other non-current financial assets		2,741		I	14,415	17,156
Total financial assets	1,870	16,419	881	43,958	794,492	857,620

(Continued)
instruments
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Unit: Million Baht Consolidated financial statements

1	1					
	Total				102,774	234,457
oer 2024	Measured at	amortized cost			102,774	234,457
31 December 2024	Measured at	fair value through	profit or loss		,	
	Measured at	fair value	- using hedge	accounting	I	,

	102,774	234,457	53,326	8,147	892,000	103,275	13,187	12,615	1,721	4,468	1,425,970	
	102,774	234,457	53,326	8,147	892,000	103,275	13,187	ı	1,721	4,468	1,413,355	
	I	ı	ı	ı	ı	ı	ı	10,189	ı	ı	10,189	
	I	ı	ı	ı	ı	ı	ı	2,426	ı	ı	2,426	

### Financial liabilities

Bank overdrafts and short-term loans from financial institutions

Trade payables

Other current payables

Short-term borrowings

Long-term borrowings (include current portion)

Lease liabilities (include current portion)

Deposits on LPG cylinders

Derivatives

Other current financial liabilities

Other non-current financial liabilities

Total financial liabilities

(Continued)
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Unit: Million Baht

Consolidated financial statements 31 December 2023

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	Measured at	Measured at	Measured at	Measured at	Measured at	Total
	fair value	fair value through	fair value through	fair value through	amortized cost	
	- using hedge	profit or loss	other comprehensive	other comprehensive other comprehensive		
	accounting		income	income		
			- debt instruments	- equity instruments		
Financial assets						
Cash and cash equivalents	ı	I	1	ı	417,133	417,134
Short-term investments in financial assets	ı	I	797	ı	25,684	26,481
Trade receivables	ı	I	ı	ı	259,813	259,813
Other current receivables	ı	I	I	ı	40,271	40,271
Short-term lending	ı	I	I	ı	275	275
Long-term investments in financial assets	ı	4,675	842	40,215	5,910	51,642
(include current portion)						
Long-term lending (include current portion)	ı	I	I	I	8,884	8,884
Derivatives	46	9,556	I	I	I	9,602
Other current financial assets	ı	I	I	ı	878	878
Other non-current financial assets	ı	2,372	I	I	13,261	15,633
Total financial assets	46	16,603	1,640	40,215	772,109	830,613

(Continued)
instruments
Financial
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				Unit: Million Baht
		Consolidated financial statements	ncial statements	
		31 December 2023	ber 2023	
	Measured at	Measured at	Measured at	Total
	fair value	fair value through	amortized cost	
	- using hedge	profit or loss		
	accounting			
Financial liabilities				
Bank overdrafts and short-term loans from financial institutions			96,511	96,511
Trade payables			240,286	240,286
Other current payables		·	67,344	67,344
Short-term barrowings			6,500	6,500
Long-term borrowings (include current portion)		·	960,702	960,702
Lease liabilities (include current portion)			97,729	97,729
Deposits on LPG cylinders			12,952	12,952
Derivatives	1,168	8,793	ı	9,961
Other current financial liabilities	ı	ı	524	524
Other non-current financial liabilities	I	26	4,966	4,992
Fotal financial liabilities	1,168	8,819	1,487,514	1,497,501

(Continued)
instruments
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1,340	ı	ı	1,340
36,557	36,557	·	I
11,162	5,794	5,092	276
3,053	3,053		
5,763	5,763		·
162,012	162,012	ı	I
20,926	20,924	I	2
78,862	78,862	I	I
		- equity instruments	
		income	
		other comprehensive	profit or loss
	amortized cost	fair value through	fair value through
Total	Measured at	Measured at	Measured at
	oer 2024	31 December 2024	
	ial statements	Separate financial statements	
Unit: Million Baht			

### Financial assets

Cash and cash equivalents

Short-term investments in financial assets

Trade receivables

Other current receivables

Short-term lending

Long-term investments in financial assets (include current portion)

Long-term lending (include current portion)

Derivatives

Other current financial assets

Other non-current financial assets

Total financial assets

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320,219

313,509

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- Other current payables
- Short-term borrowings
- Long-term borrowings (include current portion)
- Lease liabilities (include current portion)
  - .
    - Derivatives
- Other current financial liabilities
- Other non-current financial liabilities
- Total financial liabilities

Baht	
Million	
Unit:	

Separate financial statements

	Total			135,525	13,205	16,819	192,279	10,659	4,488	1,041	1,425	375,441
31 December 2024	Measured at	amortized cost		135,525	13,205	16,819	192,279	10,659	I	1,041	1,425	370,953
	Measured at	fair value through	profit or loss	ı	I	I	I	I	4,488	I	ı	4,488

(Continued)
instruments
Financial
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				Unit: Million Baht
		Separate financial statements	ial statements	
		31 December 2023	oer 2023	
	Measured at	Measured at	Measured at	Total
	fair value through	fair value through	amortized cost	
	profit or loss	other comprehensive		
		income		
		- equity instruments		
Financial assets				
Cash and cash equivalents	ı	'	87,570	87,570
Short-term investments in financial assets	I	ı	1,344	1,344
Trade receivables	I	ı	164,397	164,397
Other current receivables	I	ı	8,697	8,697
Short-term lending	I	ı	481	481
Long-term investments in financial assets (include current portion)	448	6,124	5,910	12,482
Long-term lending (include current portion)	I	ı	56,553	56,553
Derivatives	1,361	I	ı	1,361
Other current financial assets	I	I	297	297
Other non-current financial assets	I	I	209	209
Total financial assets	1,809	6,124	325,458	333,391

(Continued)
instruments
Financial
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		Unit: Million Baht
Sep	Separate financial statements	S
	31 December 2023	
Measured at	Measured at	Total
fair value through	amortized cost	
profit or loss		
	148,739	148,739
ı	18,679	18,679
ı	18,297	18,297
ı	232,079	232,079
ı	9,072	9,072
4,358	I	4,358
ı	211	211
ı	1,487	1,487
4,358	428,564	432,922

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Other	

Short-term borrowings

Long-term borrowings (include current portion)

Lease liabilities (include current portion)

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Derivatives

Other current financial liabilities

Other non-current financial liabilities

Total financial liabilities



### 38.2 Disclosure of financial instruments and financial risk managements

Financial instruments of the Group consist of cash and cash equivalents, trade receivables, lending loans, investments, loans and debentures. The Group has financial risks associated with those financial instruments and has risk managements policys as follows

- Credit risks refer to the risks of customers defaulting on payment
- Market risks refer to risks related to exchange rate fluctuations, interest rate changes and oil price fluctuations
- Liquidity risk

### 38.2.1 Credit risk

Credit risk arises when customers do not comply with the terms of agreements or the conditions of credit agreements, causing financial losses to the Group. However, the Group has managed risk by adjusting its credit policies according to the current economic situation, focusing on using financial instruments, such as the bank guarantee, letter of guarantee or standby letter of credit, making payment by using letter of credit (L/C), trade credit insurance. The Group also manages credit risk in various ways, such as cash collateral and advanced payment in order to reduce credit risk and to determine procedures for risk prevention and mitigation, including credit rating for all trading partners. In addition, the Group reviews their credit ratings regularly to be standardized and be effective for credit consideration process.

### 38.2.2 Market risk

The Group faces three significant market risks: fluctuations in exchange rates, changes in interest rates, and fluctuations in global oil market prices. The Group also has certain portions of sales, purchases and loans for operations nominated in foreign currencies which are paid in both fixed and floating interest rates. Accordingly, the management has entered into derivative contracts to cover these risks. The financial instruments used for hedging risks are forward foreign exchange contracts, interest rate swap contracts, cross-currency swap contracts, participating swap contracts etc. Some contracts relate to sustainability operations.

Risk exposure relating to global oil market prices is managed by derivatives such as swap oil price contracts, forward oil contracts and commodity option contracts. These has to report details of the costs and market prices of all financial instruments to management, including outstanding forward foreign exchange contracts and forward oil contracts to management as well. Moreover, the Group has established structures and processes for governance and risk management consistent with international standards and has set Value at Risk (VaR) in commercial transactions. The Group also regularly prepared a risk status report to management and relvent departments.



38.2 Disclosure of financial instruments and financial risk managements (Continued)

38.2.2 Market risk (Continued)

### Foreign exchange rate risk

The Group has entered into forward foreign exchange contracts. The contract prices and exchange rates under the forward foreign exchange contracts as at 31 December 2024 and 2023 are as follows:

### Unit: Million Baht

Consolidated financial statements

	2024	2023
Forward foreign exchange purchase contracts		
Rate 31.7000 - 35.9500 Baht = 1 USD	102,358	-
Rate 32.8475 - 36.2000 Baht = 1 USD	-	95,808
Rate 3.3530 - 3.5073 Baht = 1 SEK	-	382
Rate 15,787.0000 - 16,210.0000 IDR = 1 USD	626	-
Rate 15,435.0000 - 15,538.0000 IDR = 1 USD	-	144
Rate 7.1073 - 7.3180 CNY = 1 USD	839	-
Rate 7.0962 - 7.3790 CNY = 1 USD	-	569
Rate 1.4640 USD = 1 EUR		246
Rate 0.0901 - 0.1038 USD = 1 NOK	-	1,477
Rate 0.2558 - 0.2575 Baht = 1 JPY	98	-
Rate 0.2455 - 0.2575 Baht = 1 JPY	-	195
Rate 0.0064 - 0.0073 USD = 1 JPY	204	-
Rate 0.0068 - 0.0081 USD = 1 JPY	-	202
Rate 10.1669 - 11.0954 NOK = 1 USD	715	-
Rate 11.6538 - 12.0315 NOK = 1 EUR	284	-
Rate 0.0001 USD = 1 IDR	37	-
Rate 0.0116 - 0.1118 USD = 1 INR	510	-

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Unit: Million Baht

### 38. Financial instruments (Continued)

38.2 Disclosure of financial instruments and financial risk managements (Continued)

### 38.2.2 Market risk (Continued)

### Foreign exchange rate risk (Continued)

	Consolidated fina	ancial statements
	2024	2023
Forward foreign exchange sale contracts		
Rate 32.2751 - 36.0115 Baht = 1 USD	65,566	-
Rate 34.3400 - 36.7925 Baht = 1 USD	-	43,105
Rate 37.3500 - 38.1200 Baht = 1 EUR	-	51
Rate 0.1267 - 0.1304 EUR = 1 CNY	142	-
Rate 0.1261 - 0.1295 EUR = 1 CNY	-	133
Rate 4.7009 - 4.8490 Baht = 1 CNY	-	15
Rate 0.2210 - 0.2258 Baht = 1 JPY	6,522	-
Rate 0.2412 - 0.2486 Baht = 1 JPY	-	2,449
Rate 0.5908 - 0.6363 AUD = 1 Baht	-	833
Rate 1.1697 - 1.1799 EUR = 1 GBP	150	-
Rate 1.1417 - 1.1606 EUR = 1 GBP	-	110
Rate 0.5470 - 0.5584 EUR = 1 NZD	96	-
Rate 0.5378 - 0.5851 EUR = 1 NZD	-	229
Rate 0.2065 - 0.2170 CNY = 1 Baht	24	-
Rate 0.5936 - 0.6196 EUR = 1 AUD	887	-
Rate 0.1380 - 0.1387 USD = 1 CNY	63	-

### Unit: Million Baht

Separate financial statements

	2024	2023
Forward foreign exchange purchase contracts		
Rate 31.8600 - 34.9041 Baht = 1 USD	27,633	-
Rate 34.0733 - 36.0892 Baht = 1 USD	-	41,797
Forward foreign exchange sale contracts		
Rate 32.2751 - 36.0115 Baht = 1 USD	59,149	-
Rate 34.3500 - 35.9868 Baht = 1 USD	-	34,624
Rate 0.2210 - 0.2258 Baht = 1 JPY	6,522	-
Rate 0.2412 - 0.2486 Baht = 1 JPY	-	2,449



### 38.2 Disclosure of financial instruments and financial risk managements (Continued)

### 38.2.2 Market risk (Continued)

### Foreign exchange rate risk (Continued)

The Group has entered into a cross-currency swap contract of a long-term loan in the form of a participating swap contracts. The term of such contract as at 31 December 2024 and 2023 is as follows:

### Unit: Million Baht Consolidated and separate financial statements 2024 2023 JPY 23,000 million/USD 197 million 5,034 5,652

This contract has a maturity more than five years.

### Currency and interest rate risks

The Group has entered into cross-currency swap contracts of other long-term investments, long-term loans and debentures. The terms of the outstanding cross-currency swap contracts as at 31 December 2024 and 2023 are as follows:

				onit. Million Bant		
	Consc	lidated	Separate			
	financial	statements	financial s	tatements		
	2024	2023	2024	2023		
Baht 42,236 million/USD 1,270 million	42,236	-	-			
Baht 58,991 million/USD 1,770 million	-	58,991	-	-		
USD 940 million/Baht 29,878 million	30,578	-	-	-		
USD 1,092 million/Baht 34,465 million	-	35,847	-	-		
CNY 1 million/Baht 4 million	-	4	-	-		
GBP 443 million/USD 564 million	24,111	-	-	-		
USD 298 million/Baht 9,466 million	-	-	10,165	-		
USD 448 million/Baht 13,963 million	-	-	-	15,344		
Total	96,925	94,842	10,165	15,344		

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### 38. Financial instruments (Continued)

### 38.2 Disclosure of financial instruments and financial risk managements (Continued)

### 38.2.2 Market risk (Continued)

Currency and interest rate risks (Continued)

The maturity periods of contracts are as follows:

	l			Unit: Million Baht	
	Consolidated		Separate		
	financial statements		financial s	statements	
	2024 2023		2024	2023	
Due within 1 year	3,449	5,202	-	5,108	
Over 1 year and up to 5 years	57,809	41,502	-	-	
Over 5 years	35,667	48,138	10,165	10,236	
Total	96,925	94,842	10,165	15,344	

- 38.2 Disclosure of financial instruments and financial risk managements (Continued)
- 38.2.2 Market risk (Continued)

### Interest rate risk

The Group has entered into interest rate swap contracts of long-term loans and debentures. The terms of the outstanding interest rate swap contracts as at 31 December 2024 and 2023 are as follows:

				Unit: Million Baht
	Consolidated		Sep	arate
	financial	statements	financial s	statements
	2024	2023	2024	2023
Interest rate swap contracts to swap floating				
for fixed rate in USD currency	680	-	-	-
Interest rate swap contracts to swap fixed for				
floating rate in USD currency	14,943	15,060	14,943	15,060
Interest rate swap contracts to swap floating				
for fixed rate in Baht currency	11,500	16,736	-	-
Interest rate swap contracts to swap fixed for				
floating rate in Baht currency	17,991	29,988	17,991	29,988
Interest rate swap contracts to swap fixed for				
lower fixed rate in Baht currency	1,998	1,998	1,998	1,998
Interest rate swap contracts to swap fixed for				
fixed rate in Baht currency	4,000	-	4,000	-
Interest rate swap contracts to swap floating				
for fixed rate in EUR currency	1,771	1,902	-	-
Total	52,883	65,684	38,932	47,046



### 38.2 Disclosure of financial instruments and financial risk managements (Continued)

### 38.2.2 Market risk (Continued)

### Interest rate risk (Continued)

The maturity periods of contracts are as follows:

		Unit: Million Baht				
	Consolidated		Separate			
	financial statements		financial statements		financial s	statements
	2024 2023		2024	2023		
Due within 1 year	680	15,000	-	8,000		
Over 1 year and up to 5 years	31,262	29,626	17,991	17,988		
Over 5 years	20,941	21,058	20,941	21,058		
Total	52,883	65,684	38,932	47,046		

### Sensitivity analysis

Sensitivity analysis of financial instruments in consolidated financial statements as at 31 December 2024 and 2023 are as follows:

### • Foreign exchange rate

The following tables demonstrates the sensitivity of the Group's profit before tax and equity to a reasonably possible change in the USD exchange rates, with all other variables held constant. The Group's exposure to foreign currency changes for all other currencies is not material.

Unit: Million Baht

Other components of

shareholders' equity -

	Profit before tax		currency translation difference			
Foreign exchange rate effects	Increase (decrease)		Increase (decrease)		Increase (	(decrease)
	2024	2023	2024	2023		
USD currency appreciate by 10% against by						
Baht currency	(3,725)	(5,464)	53,790	49,214		
USD currency depreciate by 10% against by						
Baht currency	3,956	5,338	(53,790)	(49,214)		

38.2 Disclosure of financial instruments and financial risk managements (Continued)

38.2.2 Market risk (Continued)

### Sensitivity analysis (Continued)

Sensitivity analysis of financial instruments in consolidated financial statements as at 31 December 2024 and 2023 are as follows: (Continued)

### • Interest rate

The following table demonstrates the sensitivity of the Group's profit before tax to a reasonably possible change in interest rates on floating rate loans as at 31 December 2024 and 2023, with all other variables held constant.

	Unit: Million Baht		
	Financial costs		
Interest rate effects	Increase (	decrease)	
	2024	2023	
Interest rate increase by 1%	2,013	2,203	
Interest rate decrease by 1%	(2,012)	(2,204)	

### • Commodity price

The following table demonstrates the sensitivity of the Group's profit before tax to a reasonably possible change in commodity price as at 31 December 2024 and 2023, with all other variables held constant.

	Unit: Million Baht	
	Profit before tax	
Commodity price effects	increase (decrease)	
	2024	2023
Increase in commodity price of USD 1 per Barrel	(257)	(159)
Decrease in commodity price of USD 1 per Barrel	253	159



- 38.2 Disclosure of financial instruments and financial risk managements (Continued)
- 38.2.3 Liquidity risk

The Group has liquidity risk management by maintaining the level of cash and cash equivalents and having the ability to access a variety of funding sources to ensure sufficient for the operation of the Group.

The details of maturity of financial liabilities of the Group as at 31 December 2024 and 2023 considering from cash flow of contract which are not discounted as follows:

Unit:	Million	Baht
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Consolidated	financial	statements	
Consolidated	manciai	SIGIEITIETIIS	

	31 December 2024			
	Less than	1- 5 years	Over 5 years	Total
	1 year			
Trade payables	234,457	-	-	234,457
Other current payables	46,810	-	-	46,810
Other current financial liabilities	1,721	-	-	1,721
Bank overdrafts and borrowings:				
Bank overdrafts and short-term loans from				
financial institutions	102,774	-	-	102,774
Short-term borrowings	8,147	-	-	8,147
Long-term borrowings	77,377	396,044	420,649	894,070
Interest paid	26,472	81,653	199,936	308,061
Lease liabilities	23,903	45,292	61,226	130,421
Deposits on LPG cylinders	-	-	13,187	13187
Other non-current financial liabilities	-	2,406	986	3,392
Cash outflow from derivatives	120,084	28,660	36,801	185,545
Cash inflow from derivatives	120,211	28,273	38,907	187,391
Cash outflow from commodity derivatives	2,945	-	-	2,945
Cash inflow from commodity derivatives	262	-	-	262
Cash outflow from commodity contracts	13,426	-	-	13,426
Cash inflow from commodity contracts	11,941	-	-	11,941



- 38.2 Disclosure of financial instruments and financial risk managements (Continued)
- 38.2.3 Liquidity risk (Continued)

The details of maturity of financial liabilities of the Group as at 31 December 2024 and 2023 considering from cash flow of contract which are not discounted as follows: (Continued)

	Consolidated financial statements				
	31 December 2023				
	Less than	1- 5 years	Over 5 years	Total	
	1 year				
Trade payables	240,286	-	-	240,286	
Other current payables	60,097	-	-	60,097	
Other current financial liabilities	524	-	-	524	
Bank overdrafts and borrowings:					
Bank overdrafts and short-term loans from					
financial institutions	96,511	-	-	96,511	
Short-term borrowings	6,500	-	-	6,500	
Long-term borrowings	97,435	360,671	504,583	962,689	
Interest paid	29,501	94,351	231,172	355,024	
Lease liabilities	18,548	44,208	58,768	121,524	
Deposits on LPG cylinders	-	-	12,952	12,952	
Other non-current financial liabilities	-	2,992	831	3,823	
Cash outflow from derivatives	155,447	45,945	42,566	243,958	
Cash inflow from derivatives	153,562	45,586	44,427	243,575	
Cash outflow from commodity derivatives	58	-	-	58	
Cash inflow from commodity derivatives	2,519	-	-	2,519	
Cash outflow from commodity contracts	9,404	-	-	9,404	
Cash inflow from commodity contracts	6,348	-	-	6,348	



- 38.2 Disclosure of financial instruments and financial risk managements (Continued)
- 38.2.3 Liquidity risk (Continued)

The details of maturity of financial liabilities of the Group as at 31 December 2024 and 2023 considering from cash flow of contract which are not discounted as follows: (Continued)

	Separate financial statements				
		31 Decer	mber 2024		
	Less than	1- 5 years	Over 5 years	Total	
	1 year				
Trade payables	135,525	-	-	135,525	
Other current payables	11,029	-	-	11,029	
Other current financial liabilities	1,041	-	-	1,041	
Borrowings:					
Short-term borrowings	16,819	-	-	16,819	
Long-term borrowings	20,000	78,000	94,263	192,263	
Interest paid	6,662	21,583	85,071	113,316	
Lease liabilities	2,338	4,709	6,015	13,062	
Other non-current financial liabilities	-	266	91	357	
Cash outflow from derivatives	98,220	7,973	15,047	121,240	
Cash inflow from derivatives	98,137	6,721	15,346	120,204	
Cash outflow from commodity derivatives	887	-	-	887	
Cash inflow from commodity derivatives	42	-	-	42	
Cash outflow from commodity contracts	9,458	-	-	9,458	
Cash inflow from commodity contracts	9,549	-	-	9,549	



- 38.2 Disclosure of financial instruments and financial risk managements (Continued)
- 38.2.3 Liquidity risk (Continued)

The details of maturity of financial liabilities of the Group as at 31 December 2024 and 2023 considering from cash flow of contract which are not discounted as follows: (Continued)

	Separate financial statements			
		31 Decer	mber 2023	
	Less than	1- 5 years	Over 5 years	Total
	1 year			
Trade payables	148,739	-	-	148,739
Other current payables	16,002	-	-	16,002
Other current financial liabilities	211	-	-	211
Borrowings:				
Short-term borrowings	18,297	-	-	18,297
Long-term borrowings	39,354	77,500	115,248	232,102
Interest paid	7,934	23,396	89,966	121,296
Lease liabilities	1,744	5,106	3,743	10,593
Other non-current financial liabilities	-	220	98	318
Cash outflow from derivatives	86,360	8,941	16,508	111,809
Cash inflow from derivatives	86,150	7,569	16,590	110,309
Cash outflow from commodity derivatives	19	-	-	19
Cash inflow from commodity derivatives	160	-	-	160
Cash outflow from commodity contracts	8,890	-	-	8,890
Cash inflow from commodity contracts	8,960	-	-	8,960



38.2 Disclosure of financial instruments and financial risk managements (Continued)

### 38.2.3 Liquidity risk (Continued)

Principal and undrawn amount of short-term bank credit facilities as at 31 December 2024 and 2023 are as follows:

### Unit: Million Baht

	Consolidated financial statements			
	Credit limit		Undrawr	n amount
	2024	2023	2024	2023
Short-term committed bank credit facility	75,209	71,049	42,342	31,133
Short-term uncommitted bank credit facility	429,542	316,146	323,601	221,087

Unit: Million Baht

	Separate financial statements			
	Cred	it limit	Undrawr	n amount
	2024	2023	2024	2023
Short-term committed bank credit facility	4,365	4,365	4,365	4,365
Short-term uncommitted bank credit facility	87,569	91,952	70,750	73,655

Principal and undrawn amount of long-term bank credit facilities as at 31 December 2024 and 2023 are as follows:

	Consolidated financial statements				
	Long-term committed bank credit facility				
	Credit limit Undrawn ar			amount	
	2024	2023	2024	2023	
Credit facility in Baht (Million Baht)	231,023	144,394	59,434	48,605	
Credit facility in USD (Million USD)	4,160	17,112	762	17,112	
Credit facility in EUR (Million EUR)	33,892	43,658	4,889	5,683	
Credit facility in VND (Million VND)	709	99	110	99	



### 38.3 Fair value measurement of financial instruments

As at 31 December 2024 and 2023, the Group had financial assets and financial liabilities measured at fair value as follows:

	Consolidated financial statements			
		31 Decem	ıber 2024	
	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value				
Cash and cash equivalents	-	5	-	5
Investments in short-term financial assets	-	353	2	355
Investments measured at fair value				
through other comprehensive income	10,618	523	33,340	44,481
Investments measured at fair value				
through profit or loss	826	-	4,000	4,826
Derivatives	-	10,720	-	10,720
Other non-current financial assets	2,741	-	-	2,741
Financial liabilities measured at fair value				
Derivatives	2,818	9,797	-	12,615



### 38.3 Fair value measurement of financial instruments (Continued)

As at 31 December 2024 and 2023, the Group had financial assets and financial liabilities measured at fair value as follows: (Continued)

	Consolidated financial statements			
		31 Decem	ber 2023	
	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value				
Cash and cash equivalents	-	1	-	1
Investments in short-term financial assets	-	797	-	797
Investments measured at fair value				
through other comprehensive income	3,897	842	36,318	41,057
Investments measured at fair value				
through profit or loss	970	-	3,705	4,675
Derivatives	3,856	5,746	-	9,602
Other non-current financial assets	2,372	-	-	2,372
Financial liabilities measured at fair value				
Derivatives	-	9,961	-	9,961
Other non-current financial liabilities	-	-	26	26



### 38.3 Fair value measurement of financial instruments (Continued)

As at 31 December 2024 and 2023, the Group had financial assets and financial liabilities measured at fair value as follows: (Continued)

Unit: Million Baht

Separate financial statements		
31 December 2024		
Level 2	Level 3	Total
-	2	2
-	3,425	5,092
-	-	275
1,340	-	1,340
4,488	-	4,488
	31 Decen Level 2 - - 1,340	31 December 2024         Level 2       Level 3         -       2         -       3,425         -       -         1,340       -

	Separate financial statements			
-	31 December 2023			
_	Level 1	Level 2	Level 3	Total
- Financial assets measured at fair value				
Investments measured at fair value through				
other comprehensive income	2,349	-	3,775	6,124
Investments measured at fair value				
through profit or loss	328	-	120	448
Derivatives	-	1,361	-	1,361
Financial liabilities measured at fair value				
Derivatives	-	4,358	-	4,358



### 38.3 Fair value measurement of financial instruments (Continued)

As at 31 December 2024 and 2023, the Group had financial assets and financial liabilities that were not measured at fair value, though the fair values approximate their carrying value, except financial assets and liabilities as follows:

### Unit: Million Baht

	Consolidated financial statements			
		31 Decem	ber 2024	
	Level 1	Level 2	Level 3	Total
Financial assets disclosed at fair value				
Amortized cost investments	-	5,811	-	5,811
Financial liabilities disclosed at fair value				
Long-term borrowings	-	251,427	33,233	284,660
Debentures	-	567,233	-	567,233

	Consolidated financial statements				
		31 Decem	ber 2023		
	Level 1	Level 2	Level 3	Total	-
Financial assets disclosed at fair value					
Amortized cost investments	-	5,299	-	5,299	
Financial liabilities disclosed at fair value					
Long-term borrowings	-	237,613	33,198	270,811	
Debentures	-	651,492	-	651,492	

### 38.3 Fair value measurement of financial instruments (Continued)

As at 31 December 2024 and 2023, the Group had financial assets and financial liabilities that were not measured at fair value, though the fair values approximate their carrying value, except financial assets and liabilities as follows: (Continued)

### Unit: Million Baht

	Separate financial statements			
	31 December 2024			
	Level 1	Level 2	Level 3	Total
Financial assets disclosed at fair value				
Amortized cost investments	-	5,811	-	5,811
Financial liabilities disclosed at fair value				
Long-term borrowings	-	-	74,032	74,032
Debentures	-	109,646	-	109,646

### Unit: Million Baht

	Separate financial statements 31 December 2023			
	Level 1	Level 2	Level 3	Total
Financial assets disclosed at fair value				
Amortized cost investments	-	5,299	-	5,299
Financial liabilities disclosed at fair value				
Long-term borrowings	-	-	77,547	77,547
Debentures	-	150,311	-	150,311

During the year, there were no transfers of items within the fair value hierarchy.

### 38.3 Fair value measurement of financial instruments (Continued)

### Fair value valuation techniques and inputs for level 2 valuation

The fair values of debt securities were determined based on the latest bid price or the yield rate quoted by the Thai Bond Market Association or other relevant markets. They were also calculated based on the contractual cash flows, discounted using the market reference rate of other debt securities that have observable prices.

In determining the fair values of derivatives, most of the inputs used for the valuations are observable in the relevant markets, adjusted by appropriate risk factors, such as market price, price volatility, foreign exchange rate volatility, spot rates of foreign currencies, yield curves of the respective currencies, the market value of swap price, timing of exercise and commodity price yield curves. Discounting was applied if there was a significant impact to the fair value of the derivative instruments.

The fair values of long-term loans were determined based on the present values of future cash flows, discounted using the market interest rate for similar instruments. The fair values of debentures were based on the latest closing price or the reference interest rate quoted by the bond or other market or ask prices or latest price of comparable market securities. They were also calculated using the reference price in the secondary market of bond or other market that are quoted in an active market.

### Fair value valuation techniques and inputs for level 3 valuation

The significant unobservable input for level 3 valuation is the risk-adjusted discount rate. This is estimated based on public companies' weighted average cost of capital and cost of equity that are, in the opinion of the Group, in a comparable financial position with the counterparties to the contract.

The fair values of debt instruments measured at fair value through profit or loss are as follows:

- For investments in startup companies, the fair values are based on the valuation made during the latest round of fundraising.

- For investments in non-marketable securities, the fair values are based on the discounted present value of the future cash flows, estimated based on available performance indicators and an appropriate interest rate, or the fair values are based on the net asset method whereby the information is reasonably available.

38.3 Fair value measurement of financial instruments (Continued)

Fair value valuation techniques and inputs for level 3 valuation (Continued)

The fair values of equity instruments measured at fair value through other comprehensive income are as follows:

- For investments in startup companies, the fair values are based on the valuation made during the latest round of fundraising.

- For investments in non-marketable securities, the fair values are based on cost which is treated as an estimate of fair value unless there are significant changes in the operations of the investee, or the fair values are based on the discounted present value of the future cash flows, estimanted based on an incremental borrowing rate and likely assumptions related to the conditions in the Share Purchase Agreement, or the fair values are based on the net asset method whereby the information is reasonably available.

- For investments in funds, the fair values are referred to the net asset value of the funds.

The fair values of long-term loans were determined based on discounted future cash flows and valuation model techniques, using an appropriate risk-adjusted discount rate. Most of the inputs used for the valuation are observable in the relevant markets, such as spot rates of foreign currencies, interest rate yield curves and bonds yield curves.

The fair value of other non-current financial liabilities that are categorized as contingent considerations from business acquisition and contingent considerations from interest acquisition in joint venture were determined by discounted cash flow. Significant unobservable input of fair value hierarchy level 3 is risk adjusted discount rate. It is estimated based on the Group's cost of debt and assumptions about related probability according to specified conditions in Sales and Purchase Agreement (SPA).

(Continued)
instruments
Financial
38.

# 38.3 Fair value measurement of financial instruments (Continued)

The reconciliation of financial assets and liabilities regularly measured fair value and categorized as level 3 as follows:

		Cons	Consolidated financial statements	nents	
	Investments in	Investments	Investments	Contingent	Total
	short-term	measured at	measured at fair	considerations	
	financial assets	fair value	value through profit	from business	
		through other	and loss	acquisition	
		comprehensive			
		income			
Balance as at 1 January 2024	I	36,318	3,705	26	40,049
- Increase (Decrease)	I	495	(92)	(27)	376
- Reclassification	I	(7,960)	(02)	I	27
- Net gain on profit and loss	2	ı	655	I	657
- Net gain on other comprehensive income	I	4,768	I	I	4,768
- Exchange differences on translation		(281)	(198)	4	(477)
Balance as at 31 December 2024	2	33,340	4,000		45,400

38.3 Fair value measurement of financial instruments (Continued)

The reconciliation of financial assets and liabilities regularly measured fair value and categorized as level 3 as follows: (Continued)

		Cons	Consolidated financial statements	nents	
	Investments in	Investments	Investments	Contingent	Total
	short-term	measured at	measured at fair	considerations	
	financial assets	fair value	value through profit	from business	
		through other	and loss	acquisition	
		comprehensive			
		income			
Balance as at 1 January 2023	72	36,750	2,863	50	39,735
- Increase (Decrease)	ı	942	257	(25)	1,174
- Net gain (loss) on profit and loss	(72)		602	-	531
- Net loss on other comprehensive income	ı	(1,201)	I	ı	(1,201)
- Exchange differences on translation	ı	(173)	(17)	ı	(190)
Balance as at 31 December 2023		36,318	3,705	26	40,049

38.3 Fair value measurement of financial instruments (Continued)

The reconciliation of financial assets and liabilities regularly measured fair value and categorized as level 3 as follows: (Continued)

		Separate financial statements	cial statements	
	Investments in	Investments	Investments	Total
	short-term	measured at fair	measured at fair	
	financial assets	value through other value through profit	value through profit	
		comprehensive	and loss	
		income		
Balance as at 1 January 2024	I	3,775	120	3,895
- Increases (Decrease)	I	119	(125)	(9)
- Net gain on profit and loss	N	I	5	7
- Net loss on other comprehensive income	I	(469)	I	(469)
Balance as at 31 December 2024	2	3,425		3,427
Balance as at 1 January 2023	72	3,325	ı	3,397
- Increases	I	621	125	746
- Net loss on profit and loss	(72)	I	(5)	(77)
- Net loss on other comprehensive income	I	(171)	ı	(171)
Balance as at 31 December 2023	I	3,775	120	3,895

### 38.4 Cash flow hedge

The Group uses derivatives as hedging instruments as at 31 December 2024 and 2023 as follows:

Interest rate swap contracts (for loans)Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans)17,93517,935Notional amount (Unit: Million Baht)17,93517,935Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28		Consolidated financial statements							
Less than1 - 5Over 5Total1 yeayearsyearsyearsForeign currency forward contracts (for highly probable forecast purchases)4040Average forward rate (Baht : USD)33.72 - 34.1133.72 - 34.11Interest rate swap contracts (for loans) Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans) Notional amount (Unit: Million Baht)17,93517,935Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.503.50Notional amount (Unit: Million Baht)24,111-24,111Average fixed rate (%)-1.27 - 1.28-1.27 - 1.28-1.27 - 1.28			31 Dece	mber 2024					
1 yeayearsyearsForeign currency forward contracts (for highly probable forecast purchases)4040Notional amount (Unit: Million Baht)4040Average forward rate (Baht : USD)33.72 - 34.1133.72 - 34.11Interest rate swap contracts (for loans) Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-1,906-4.304.30Cross-currency swap contracts (for loans) Notional amount (Unit: Million Baht)17,93517,935Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.503.50Notional amount (Unit: Million Baht)3.503.50Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (WS) : GBP)-1.27 - 1.28-1.27 - 1.28			Ма	turity					
Foreign currency forward contracts (for highly probable forecast purchases)4040Average forward rate (Baht : USD)33.72 - 34.1133.72 - 34.11Interest rate swap contracts (for loans) Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans) Notional amount (Unit: Million Baht)17,93517,935Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.0030.76 - 32.00Cross-currency swap contracts (for loans) Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.00Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28		Less than	1 - 5	Over 5	Total				
forecast purchases)40-40Average forward rate (Baht : USD)33.72 - 34.1140Average forward rate (Baht : USD)33.72 - 34.1133.72 - 34.11Interest rate swap contracts (for loans)-1,906-1,906Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans)17,93517,935Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.00Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28		1 yea	years	years					
Notional amount (Unit: Million Baht)4040Average forward rate (Baht : USD)33.72 - 34.1140Interest rate swap contracts (for loans)-1,906-1,906Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans)17,93517,935Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.00Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.00Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)4.111Average forward rate (Baht : USD)3.503.50Average fixed rate (%)-24.111-24.111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28	Foreign currency forward contracts (for highly probable								
Average forward rate (Baht : USD)       33.72 - 34.11       -       -       33.72 - 34.11         Interest rate swap contracts (for loans)       -       1,906       -       1,906         Notional amount (Unit: Million Baht)       -       1,906       -       1,906         Average fixed rate (%)       -       4.30       -       4.30         Cross-currency swap contracts (for loans)       -       -       17,935       17,935         Notional amount (Unit: Million Baht)       -       -       30.76 - 32.00       30.76 - 32.00         Average forward rate (Baht : USD)       -       -       35.00       35.00         Average fixed rate (%)       -       -       3.50       3.50         Notional amount (Unit: Million Baht)       -       24,111       -       24,111         Average forward rate (USD : GBP)       -       1.27 - 1.28       -       1.27 - 1.28	forecast purchases)								
Interest rate swap contracts (for loans)Notional amount (Unit: Million Baht)-1,906-1,906Average fixed rate (%)-4.30-4.30Cross-currency swap contracts (for loans)17,93517,935Notional amount (Unit: Million Baht)17,93517,935Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28	Notional amount (Unit: Million Baht)	40	-	-	40				
Notional amount (Unit: Million Baht) Average fixed rate (%)-1,906 4.30-1,906 4.30Cross-currency swap contracts (for loans)-4.30-4.30Notional amount (Unit: Million Baht)17,93517,935Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.50Notional amount (Unit: Million Baht)24,111-Average fixed rate (%)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28	Average forward rate (Baht : USD)	33.72 - 34.11	-	-	33.72 - 34.11				
Average fixed rate (%)       -       4.30       -       4.30         Crosss-currency swap contracts (for loans)       -	Interest rate swap contracts (for loans)								
Cross-currency swap contracts (for loans)17,93517,935Notional amount (Unit: Million Baht)30.76 - 32.0030.76 - 32.0030.76 - 32.00Average forward rate (Baht : USD)30.76 - 32.0030.76 - 32.0030.76 - 32.00Average fixed rate (%)3.503.503.50Notional amount (Unit: Million Baht)-24,111-24,111Average forward rate (USD : GBP)-1.27 - 1.28-1.27 - 1.28	Notional amount (Unit: Million Baht)	-	1,906	-	1,906				
Notional amount (Unit: Million Baht)       -       -       17,935       17,935         Average forward rate (Baht : USD)       -       -       30.76 - 32.00       30.76 - 32.00       30.76 - 32.00         Average fixed rate (%)       -       -       3.50       3.50       3.50         Notional amount (Unit: Million Baht)       -       24,111       -       24,111         Average forward rate (USD : GBP)       -       1.27 - 1.28       -       1.27 - 1.28	Average fixed rate (%)	-	4.30	-	4.30				
Average forward rate (Baht : USD)       -       -       30.76 - 32.00	Cross-currency swap contracts (for loans)								
Average fixed rate (%)       -       -       3.50       3.50         Notional amount (Unit: Million Baht)       -       24,111       -       24,111         Average forward rate (USD : GBP)       -       1.27 - 1.28       -       1.27 - 1.28	Notional amount (Unit: Million Baht)	-	-	17,935	17,935				
Notional amount (Unit: Million Baht)         -         24,111         -         24,111           Average forward rate (USD : GBP)         -         1.27 - 1.28         -         1.27 - 1.28	Average forward rate (Baht : USD)	-	-	30.76 - 32.00	30.76 - 32.00				
Average forward rate (USD : GBP) - 1.27 - 1.28 - 1.27 - 1.28	Average fixed rate (%)	-	-	3.50	3.50				
	Notional amount (Unit: Million Baht)	-	24,111	-	24,111				
Average fixed rate $(\%)$ = 6.08 = 6.08	Average forward rate (USD : GBP)	-	1.27 - 1.28	-	1.27 - 1.28				
	Average fixed rate (%)	-	6.08	-	6.08				
Cross-currency swap contracts (for debentures)	Cross-currency swap contracts (for debentures)								
Notional amount (Unit: Million Baht) - 23,400 7,567 30,967	Notional amount (Unit: Million Baht)	-	23,400	7,567	30,967				
Average forward rate (Baht : USD) - 32.66 - 33.75 30.72 - 33.50 30.72 - 33.7	Average forward rate (Baht : USD)	-	32.66 - 33.75	30.72 - 33.50	30.72 - 33.75				
Average fixed rate (%) - 2.09 - 4.82 2.69 - 4.99 2.09 - 4.99	Average fixed rate (%)	-	2.09 - 4.82	2.69 - 4.99	2.09 - 4.99				



### 38.4 Cash flow hedge (Continued)

The Group uses derivatives as hedging instruments as at 31 December 2024 and 20223 as follows: (Continued)

	Consolidated financial statements					
		31 Dece	mber 2023			
		Ma	aturity			
	Less than	1 - 5	Over 5	Total		
	1 yea	years	years			
Foreign currency forward contracts (for highly probable						
forecast sale)						
Notional amount (Unit: Million Baht)	916	-	-	916		
Average forward rate (Baht : USD)	34.34 - 36.79	-	-	34.34 - 36.79		
Foreign currency forward contracts (for highly probable						
forecast purchases)						
Notional amount (Unit: Million Baht)	360	-	-	360		
Average forward rate (Baht : USD)	32.85 - 35.34	-	-	32.85 - 35.34		
Notional amount (Unit: Million Baht)	382	-	-	382		
Average forward rate (Baht : SEK)	3.35 - 3.51	-	-	3.35 - 3.51		
Interest rate swap contracts (for loans)						
Notional amount (Unit: Million Baht)	-	2,236	-	2,236		
Average fixed rate (%)	-	4.30	-	4.30		
Cross-currency swap contracts (for loans)						
Notional amount (Unit: Million Baht)	-	-	17,935	17,935		
Average forward rate (Baht : USD)	-	-	30.76 - 32.00	30.76 - 32.00		
Average fixed rate (%)	-	-	3.50	3.50		
Cross-currency swap contracts (for debentures)						
Notional amount (Unit: Million Baht)	-	11,000	19,967	30,967		
Average forward rate (Baht : USD)	-	33.00 - 33.75	30.72 - 33.60	30.72 - 33.75		
Average fixed rate (%)	-	2.00 - 3.26	2.69 - 4.99	2.00 - 4.99		

(Continued)
instruments
Financial
38.

### 38.4 Cash flow hedge (Continued)

The impact of the derivatives on the statement of financial position as at 31 December 2024 and 2023 as follows:

Unit: Million Baht

### Consolidated financial statements

	Provision for	cost of hedging	(1,156)	18
31 December 2024	sh flow hedge	Hedge termination	I	I
	Provision of cash flow hedge	Continuous hedging	(1,553)	1,583

Unit: Million Baht

### Consolidated financial statements

	Provision for	cost of hedging	ı	5	(610)	455
31 December 2023	sh flow hedge	Hedge termination	I	ı	ı	
	Provision of cash flow hedge	Continuous hedging	27	(1)	(1,311)	685

Debentures

Loans

Highly probable forecast sale

Highly probable forecast purchases

Loans

Debentures

### 38.4 Cash flow hedge (Continued)

The impact of the hedging instruments on the statement of financial position as at 31 December 2024 and 2023 and the impact of cash flow hedge on the statement of income for the year ended 31 December 2024 and 2023 as follows:

Baht	
Million	
Unit:	

atements	24	Provision of Line item	cash flow in the statement of incomes	hedge or non-financial assets	classified to	profit and loss	25 Finance cost	(214) Gain (loss) on foreign exchange rates	(199) Gain (loss) on foreign exchange rates	
Consolidated financial statements	31 December 2024	Change in fair Cost of hedging Provision of	recognized in	shareholders'	equity		(9)	1,257	(248)	
Conso		Change in fair	value used for	measuring	effectiveness	for the period	20	2,068	1,206	
		Carrying	amount				(128)	(1,842)	1,020	
		Notional	amount				1,906	42,047	30,967	
							Interest rate swap contracts - for loans	Cross-currency swap contracts - for loans	Cross-currency swap contracts - for debentures	

(Continued)
instruments
Financial
38.

## 38.4 Cash flow hedge (Continued)

The impact of the hedging instruments on the statement of financial position as at 31 December 2024 and 2023 and the impact of cash flow hedge on the statement of income for the year ended 31 December 2024 and 2023 as follows: (Continued)

<b>1</b> illion	
Jnit: N	
_	

Baht

			Consc	Consolidated financial statements	tatements	
				31 December 2023	23	
	Notional	Carrying	Change in fair	Change in fair Cost of hedging	Provision of	Line item
	amount	amount	value used for	recognized in	cash flow	in the statement of incomes
			measuring	shareholders'	hedge	or non-financial assets
			effectiveness	equity	classified to	
			for the period		profit and loss	
Foreign currency forward contracts						
- for highly probable forecast sale	916	34	ı	ı	ı	ı
Foreign currency forward contracts						
- for highly probable forecast purchases	742	5	22	5	ı	
Interest rate swap contracts - for loans	2,236	(81)	(63)	ı	76	Finance cost
Cross-currency swap contracts - for loans	17,935	(649)	1,230	610	ı	·
Cross-currency swap contracts - for debentures	30,967	333	186	(386)	(289)	Gain (loss) on foreign exchange rates



### 38.4 Cash flow hedge (Continued)

Movement of other components of shareholders' equity and other comprehensive income analysis as follows:

Unit: Million Baht

	Consolidated financial statements		
	Provision of Provision f		
	cash flow hedge	cost of hedging	
As at 1 January 2024	(600)	(150)	
- Change in fair value of hedging instruments	981	(1,105)	
- Classification to profit and loss	(456)	(6)	
- Effect of taxes	104	123	
As at 31 December 2024	29	(1,138)	

	Consolidated financial statements		
	Provision of	Provision for	
	cash flow hedge	cost of hedging	
As at 1 January 2023	(1,197)	258	
- Change in fair value of hedging instruments	818	(432)	
- Classification to profit and loss	(214)	-	
- Effect of taxes	(7)	24	
As at 31 December 2023	(600)	(150)	

### 39. Dividend payment

Dividend	Approved by	Dividend	Number of shares	Total	Payment date
		payment rate	(shares)	dividend	
		(Baht/share)		(Million	
				Baht)	
For the year	The 2024 Annual General	1.20	28,562,589,041	34,275	30 April
2023	Shareholders' Meeting of				2024
	the Company on 12 April 2024				
Interim	The Board of Directors Meeting	0.80	28,561,982,046	22,850	13 September
2024	of the Company on				2024
	15 August 2024				
				57,125	

### 40. Promotional privileges

The Company has been granted promotional privileges for the following activities from the Board of Investment (BOI) under the Investment Promotion Act, B.E. 2520 for the energy and environmental efficiency improvement project for the Natural Gas Separation Plant, Unit 5.

The promotional privileges include:

- an exemption from import duties on machinery approved by the BOI
- an exemption from corporate income tax on net income from certain promoted businesses at a rate of 50% of the investment in efficiency improvements, excluding land and working capital for a periods of three years, starting from the date on which the income is first derived from such operations.

During the year 2024, the Company has exercised the privileges for the energy and environmental efficiency improvement project for the Natural Gas Separation Plant, Unit 5.

The Company's sales and service income from the promoted and non-promoted businesses for the years ended 31 December 2024 and 2023 are as follows:

		Unit: Million Baht
	Separate finan	cial statements
	2024	2023
Promoted businesses	50,621	-
Non-promoted businesses	1,718,226	1,890,654
Total	1,768,847	1,890,654

### 40. Promotional privileges (Continued)

Certain subsidiaries have been granted promotional privileges by the BOI under the Investment Promotion Act B.E. 2520, as summarized below:

TOP Group has been granted promotion certificates from the BOI for its finished oil products, power and steam generation, petrochemical product production, and chemical product production. The promotional privileges include exemption from import duties and tax on the machinery and equipment approved by the BOI, exemption from corporate income tax on the net income from the promoted business for 3 to 8 years starting from the date on which income is first derived from such operations or eight years from the date on which the income is received subsequent to when the promotional privileges were granted, and a 50% reduction of corporate income tax on the net income from the expiry date of the corporate income tax exemption.

PTTGC Group has been granted promotion certificates privileges from the BOI for its production of upstream, intermediate and downstream petrochemical, utility production, port terminal services for liquid cargo and liquid cargo storage, marine freight transportation services, and the production of chemical products from petroleum. As a result, PTTGC Group is entitled to various privileges, including exemption and/or reduction of corporate income tax on net profits derived from these promoted operations.

GPSC Group has been granted promotional privileges for its production of electricity, steam, water, chilled water, and refuse-derived fuel. The promotional privileges include exemption from various duties and taxes and exemption from corporate income tax on the net income from the promoted business for four or eight years starting from the date on which income is first derived from such operations.

IRPC Group has been granted promotional privileges for its manufacture of Compounded Plastic, the cogeneration and steam power plant project (CHP), Propylene project (PRP), EBSM Upgrading for ABS Specialties project (EBSM), Polypropylene Resin (PPE) project, Polypropylene Compound project (PPC), High Pressure HDPE Compound project, Upstream project for Hygiene&Value Added Products (UHV), Floating Solar project, and PP Melt Blown project. The promotional privileges include exemption from import duties and tax on materials essential supplies and machinery approved by the BOI, exemption from corporate income tax on the net income from the promoted business for three to eight years starting from the date on which income is first derived from such operations, a 50% reduction of corporate income tax on the net income from the promoted business for five years starting from the expiry date of the corporate income tax exemption, and double deduction of logistics, electricity and water expenses for a period of ten years from the date the income is first derived from such operations.

OR Group has received investment promotion certificates granting promotional privileges for the manufacture of quality roasted coffee beans and one investment promotion certificate granting promotional privileges for the electricity generated from solar energy. Under certain imposed conditions, such promotional privileges include exemptions from corporate income tax.

PTT TANK Group has been granted promotional privileges for its loading/unloading facilities for sea transport Category 7.1: Public utilities and basic services. The promotional privileges include exemption from import duties on the machinery approved by the BOI, exemption from corporate income tax on the net income from the promoted business for eight years starting from the date on which income is first derived from such operations, and a 50% reduction of corporate income tax on the net income from the promoted business for five years starting from the expiry date of the corporate income tax exemption. Moreover, PTT TANK Group has been granted promotional privileges for its loading/unloading facilities for sea transport, Category 7.1.4 Loading/unloading facilities for sea transport. The promotional privileges include exemption from import duties on the machinery approved by the BOI and exemption from corporate income tax on the net income from the promoted business for six years starting from the date on which income is first derived for six years starting from the date on which income is first derived from such operations.

### 40. Promotional privileges (Continued)

Certain subsidiaries have been granted promotional privileges by the BOI under the Investment Promotion Act B.E. 2520, as summarized below:(Continued)

PTTLNG has been granted promotional privileges, for its liquefied natural gas transportation business, Category 7.1 Public utilities and basic services, in accordance with Investment Promotion Certificates No. 1581(2)/2551 and No. 1836(2)/2557. The promotional privileges include exemption from import duties on machinery approved by the BOI, exemption from corporate income tax on the net income from the promoted business for 8 years starting from the date on which income is first derived from such operations, and a 50% reduction of corporate income tax on the net income from the promoted business for 5 years starting from the expiry date of the corporate income tax exemption. The tax privileges under Investment Promotion Certificate No. 1581(2)/2551, which grants a 50% reduction of corporate income tax for the promoted business, expired on 5 September 2024. Moreover, PTTLNG has been granted promotional privileges for its loading facilities for sea transport, Category 7.1.4., under Investment Promotion Certificate No. 61-1297-1-00-1-0. under certain imposed conditions, the promotional privileges include exemption from corporate income tax on the net income from the promoted business for 5 years starting from the aforementioned income is first derived from such operations. On 30 April 2024, the promotional privileges granted under the aforementioned Investment Promotion Certificate were transferred to PE LNG Co., Ltd,

PTTGM Group has been granted promotional privileges for its production of Li-ion batteries. These privileges include exemption from import duties on machinery approved by the BOI and exemption from corporate income tax on the net income from the promoted business (up to 100% of the investment amount, excluding land and working capital) for 8 years starting from the date on which income is first derived from such operations. In the event of a business loss during the period of corporate income tax exemption, the promoted entity will be allowed to carry forward the annual losses incurred during that period to offset against net profits generated after the expiration of the corporate income tax exemption period, with a time limit of no more than 5 years from the date the exemption period expires.

PTTEP Group has been granted an investment promotion certificate from the BOI for its solar power generation business. Under this certificate, PTTEP Group is entitled to various tax exemptions and privileges as specified in the investment promotion certificate.

The Group must comply with certain terms and conditions prescribed in the promotional certificates.

### 41. Commitments and contingent liabilities

Details of significant changes in commitments and contingent liabilities are as follows:

- 41.1 Details of commitments to related parties are as follows:
  - 41.1.1 The Company has provided loans to its subsidiaries through PTT Treasury Center Company Limited (PTTTCC) (a subsidiary of the Company) with credit limits totalling Baht 91,964 million. As at 31 December 2024, the remaining credit limits were Baht 53,309 million.

Details of significant changes in commitments and contingent liabilities are as follows: (Continued)

- 41.1 Details of commitments to related parties are as follows: (Continued)
  - 41.1.2 As at 31 December 2024, the Group entered into the Sponsor Support Agreements with their related parties totalling Baht 3,098 million, and USD 1,267 million with credit limits based on the Group's participating interest in those related parties.

The Company has commitments arising from issuing Parent Company Guarantees (PCG) on behalf of a subsidiary, providing guarantees for purchases of goods. However, the subsidiary has established risk management measures for such transactions. Therefore, the Company bears very low risk of assuming responsibility for the above obligations.

The Company has commitments for guarantee of the subsidiaries' loans and debentures as mentioned in Note 27.

41.1.3 As at 31 December 2024, the Group had obligations not exceeding USD 270 million in respect of the purchase of shares in the associates under the share purchase agreements.

The Company had obligations under the Shareholder Agreements to pay for ordinary shares in proportion to its shareholding. As at 31 December 2024, the Company had remaining obligations amounting to Baht 9,499 million.

41.2 Commitments under leases - the Group as a lessee, the future minimum lease payments under uncancellable leases as at 31 December 2024 are as follows:

		Unit: Million Baht
	Consolidated	Separate
	financial statements	financial statements
Due date		
- Within 1 year	1,350	145
- Over 1 year and up to 5 years	638	108
- Over 5 years	825	52
Total	2,813	305

41.3 As at 31 December 2024, the Group had capital commitments of Baht 121,382 million in the consolidated financial statements and Baht 19,200 million in the separate financial statements.

Details of significant changes in commitments and contingent liabilities are as follows: (Continued)

- 41.4 As at 31 December 2024, the Group had outstanding letters of credit of Baht 65,032 million in the consolidated financial statements and Baht 887 million in the separate financial statements.
- 41.5 As at 31 December 2024, the Group had contingent liabilities in the form of letter of guarantee amounting to Baht 80,167 million in the consolidated financial statements and Baht 563 million in the separate financial statements.
- 41.6 On 25 February 2014, the contractor for an onshore natural gas pipeline project (the contractor) filed a lawsuit against the Company in the Civil Court, alleging that the Company unlawfully terminated the contract and breached the agreement. The contractor demanded the Company to pay outstanding wages and damages. The Company preserved that its actions were in accordance with the contract and referred this matter to the Office of the Attorney General for defense, The prosecutor submitted a statement to the Civil Court. However, the Civil Court ordered the case to be transferred to the Central Administrative Court, for consideration and judgement, as both courts agreed that the case falls under administrative jurisdiction. The case is currently under consideration by the Central Administrative Court.

After the Company terminated the contract with the contractor, it proceeded to complete the natural gas pipeline project. Subsequently, on 20 June 2018, the Company filed a lawsuit with the Central Administrative Court, seeking damages from the construction contractor for breach of contract and work abandonment. Subsequently, the Central Administrative Court ordered the consolidation of this case with the previously filed lawsuit by the contractor against the Company.

On 25 September 2019, the contractor informed the Central Administrative Court that on 8 March 2019, the National Company Law Tribunal of India ordered the contractor to enter into a corporate insolvency resolution process and appointed a Resolution Professional in accordance with Indian law. The Company examined this information and verified it. Subsequently, on 26 November 2019, the Company submitted a claim for debt repayment to the Resolution Professional in India. However, the contractor was not granted business rehabilitation and was therefore required to undergo bankruptcy and liquidation proceedings in accordance with Indian law. The Company has also submitted a claim for debt repayment.

On 27 December 2023, the Central Administrative Court rendered a judgment in the case filed by the contractor, dismissing the case. In the case filed by the Company, the court ordered the contractor to pay damages amounting to approximately Baht 6,400 million, along with legal interest. Which, the payment must be completed within 60 days from the date of the judgment. It was subsequently discovered that the contractor did not file an appeal within the prescribed time frame and failed to settle the debt as ruled by the Central Administrative Court

Details of significant changes in commitments and contingent liabilities are as follows: (Continued)

On 13 February 2024, the Central Administrative Court issued a Certification of case finalization to the Company, as the contractor did not appeal the judgment of the Central Administrative Court. On 14 May 2024, the Central Administrative Court ordered the appointment of an executing officer to seize and attach the contractor's assets for debt repayment in accordance with the court's judgment. The process of locating the contractor's assets for debt settlement in accordance with the final judgment is currently underway.

Regarding legal proceedings in India, where the contractor's headquarters is located, the liquidator appointed under the Indian's bankruptcy process has ordered that the Company be entitled to debt repayment from the contractor's asset pool in the amount determined by the final judgment of the Central Administrative Court of Thailand. Presently, the process of distributing assets to creditors on a pro-rata basis is currently underway.

41.7 During the third quarter of 2014, the number of people in Rayong filed several lawsuits with the Civil Court and the Rayong Provincial Court against PTT Global Chemical Public Co., Ltd. (PTTGC) to claim the extra compensation from oil spill incident and to perform the rehabilitation of the sea and natural environmental recovery. Some cases have been dismissed and some cases have been passed a judgment by the Civil Court on 25 August 2016 ordered PTTGC to compensate for damages including interest and rehabilitation of approximately Baht 11 million. PTTGC has appealed on 17 February 2017. Subsequently, on 11 May 2018, PTTGC made compromise agreements with majority plaintiffs at the Civil Court. On 20 December 2018, the Court of Appeal has passed the judgment according to the compromise contracts which PTTGC has already paid compensation in full amount. For the remaining plaintiffs, the Court of Appeal orders PTTGC to pay compensation with its interest according to the judgment of the Court of First Instance and reduced the amount of interest. PTTGC has paid compensation to all plaintiff completely and no petition is submitted to Supreme Court by any of plaintiff. This case has become final.

For the case at Rayong Provincial Court, on 28 September 2018, the Court has made the judgement ordering PTTGC to pay damage cost with its interest approximately Baht 38 million by deducting the remedy payment paid to the plaintiffs of Baht 24 million. PTTGC deposited the remaining damage cost with its interest to the Rayong Provincial Court on 25 February 2019. Some plaintiffs filed an appeal with the Rayong Provincial Court and PTTGC has filed an answer to the appeal with the Rayong Provincial Court on 2 October 2019. Subsequently, on 1 September 2020, the Court of Appeal Region 2 has made the judgement ordering PTTGC to pay damage cost with its interest to the plaintiffs. PTTGC deposited the amount of Baht 25 million to the Rayong Provincial Court on 30 September 2020, which is to cover the additional damages ordered under the judgement. Afterwards, on 14 October 2020, the Rayong Provincial Court sent an appointment to hear the judgement or the order of the Court of Appeal Region 2 on 26 November 2020. Then, the plaintiffs have filed the Dika appeal period on 1 March 2021. The Supreme Court has issued an order accepting the Dika appeal of the plaintiffs on 2 March 2022 and sent a copy of Dika appeal to PTTGC on 19 March 2022. PTTGC filed a petition to the Dika appeal on 13 September 2022. The case is currently under the trial by the Supreme Court.

Details of significant changes in commitments and contingent liabilities are as follows: (Continued)

Subsequently, on 28 July 2023, PTTGC received a summons and a copy of the civil plaint, which the Department of National Parks, Wildlife and Plant Conservation filed against the Company with Rayong Provincial Court regarding the wrongful act causing damage to natural resources and claim for damages. The plaintiff claimed that the oil spill incident in 2013 caused damage to the plaintiff. However, PTTGC and its legal advisor of PTTGC considered relevant facts, evidence and applicable laws and are of the opinion that PTTGC has taken appropriate measures to provide remedy and compensation for the damage, and the natural resources and environment have been restored since the incident. Therefore, PTTGC is not liable for the damages as claimed, and no provision for any losses resulting from this case has been recorded.

- 41.8 On 8 April 2023, PTTGC received a summons and a copy of the civil plaint which the Local Fisheries Association, fishermen and merchants ("Plaintiffs") filed against Star Petroleum Refining Public Company Limited as the first defendant and the PTTGC as the second defendant with Rayong Provincial Court regarding the wrongful act, claim for damages and request for marine resources restoration. The Plaintiffs claimed that the oil spill incident caused the Plaintiffs' loss of income. However, PTTGC and its legal advisor considered relevant facts, evidence and applicable laws and are of the opinion that PTTGC did not commit a wrongful act against the Plaintiffs as claimed. Therefore, it is not liable for the damages as claimed. PTTGC submitted the statement of defense to the Rayong Provincial Court on 8 June 2023 and the case is under the consideration by the Rayong Provincial Court. Accordingly, no provision for any losses resulting from this case has been recorded.
- 41.9 In September 2024, IRPC Public Company Limited (IRPC) received a Value Added Tax (VAT) assessment notification (Por.Por. 73.1) and a VAT refund notification letter (Por.Por. 72.1) from the Revenue Department. These notifications pertained to a VAT assessment for VAT underpayment related to export sales to an overseas customer during the period from August 2019 to September 2020, amounting to Baht 538 million. This amount includes additional fines and surcharges as required by VAT law. Currently, IRPC is appealing the tax assessment with the Appeal Committee in accordance with the Revenue Code. The management is confident that IRPC has no obligation to pay the VAT underpayment, fines and surcharges as assessed since the export sales were conducted through the standard export process, as is customary with its customers. Therefore, as at 31 December 2024, IRPC has not recorded a provision for the liability.



### 42. Reclassification

A subsidiary of the Company has reclassified items to align with the presentation of financial information for the current year. The reclassification has no impact on the total net profit, as presented below.

Unit: Million Baht

	Consolidated financial statements		
	For the year ended 31 December 2023		
	Before Reclassification After		
	reclassification		reclassification
Statement of income			
Sales and service income	3,144,551	333	3,144,884
Cost of sales and services	2,767,102	2,395	2,769,497
Other income	40,705	(2,069)	38,636
Selling and distribution expenses	45,404	714	46,118
Administrative expenses	86,889	(4,845)	82,044

### 43. Events after the reporting period

43.1 On 20 February 2025, at the Board of Directors Meeting No. 2/2025 of the Company, the Board passed a resolution to propose to the Annual General Meeting of the Company's shareholders for the approval of dividend payment of Baht 2.10 per share for the year 2024. On 13 September 2024, the Company paid an interim dividend of Baht 0.80 per share as described in Note 39. Accordingly, the remaining dividend of Baht 1.30 per share or approximately Baht 37,132 million will be proposed for approval by the Annual General Meeting of the Company's shareholders for the year 2025.

43.2 The Board of Directors of the Company approved these financial statements for public issuance on 20 February 2025.

### Audit Fee

### Audit Fee

In the fiscal year 2024, the company and its subsidiaries incurred a total audit fee of THB 344,240,280 which includes fees paid to the auditing firm, EY, as well as individuals or entities related to the auditor. This amount consists of THB 54,271,796 paid to the aforementioned auditing firm and THB 289,968,484 paid to other auditing firms.

### Non-Audit Fee

In the fiscal year 2024, PTT and its subsidiaries paid a total of THB 119,396,598 for other services to EY, including persons or entities related to the auditor and the auditing firm, mainly for consulting services in various area.

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