

IRPC Public Company Limited and its subsidiaries
Report and consolidated and separate financial statements
31 December 2024

Independent Auditor's Report

To the Shareholders of IRPC Public Company Limited

Opinion

I have audited the accompanying consolidated financial statements of IRPC 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 a summary of significant accounting policies, and have also audited the separate financial statements of IRPC 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 IRPC Public Company Limited and its subsidiaries and of IRPC 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 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 Group in accordance with the Code of Ethics for Professional Accountants including Independence Standards as 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 Code of Ethics for Professional Accountants. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

Emphasis of Matter

I draw attention to Note 35.7 to the financial statements regarding the contingent liabilities. The Company 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, the Company is appealing the tax assessment with the Appeal Committee in accordance with the Revenue Code. The management is confident that the Company 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, the Company has not recorded a provision for this liability in the consolidated and separate financial statements. My opinion is not modified in respect of this matter.

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 matter and how audit procedures respond for are described below.

Allowance for diminution in value of inventories

As mentioned in Note 9 to the consolidated financial statements, regarding inventories as at 31 December 2024, the Group's cost of inventories amounted to Baht 29,377 million and the recorded allowance for diminution in value of inventories was Baht 586 million. I focused on consideration of allowance for diminution in value of inventories to net realisable value because the Group's inventories are mainly raw materials and finished goods that are commodities of which prices are volatile. This may affect the value of inventories at the end of the reporting period and the inventory balance is material to the financial statements. Inventories are measured at the lower of cost or net realisable value and this, together with determination of the related allowance for diminution in value of inventories, requires the management to consider the reasonableness of the market price used, by comparing it to the expected selling price of the commodities to measure the value of inventories and record an allowance for diminution in value of inventories.

The procedures I performed to assess the determination of allowance for diminution in value of inventories included:

- Gaining an understanding and performing tests of the design and operating effectiveness of the controls relevant to the inventory valuation process.
- Assessing the appropriateness of the methodology used to calculate the net realisable value of inventories at the end of the reporting period, through considering the reasonableness of the market prices used by comparing them to the expected selling prices of commodities and testing the accuracy of the calculations.
- Assessing the completeness of the adjustments of allowance for diminution in value of inventories in the consolidated and separate financial statements and the adequacy of the disclosures made in relation to the estimation of allowance for diminution in value of inventories in the notes to the financial statements.

Other Information

Management is responsible for the other information. The other information comprises the information included in annual report of the Group, but does not include the financial statements and my auditor's report thereon.

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. If, based on the work I have performed, I conclude that there is a material misstatement of this other information, I am required to report that fact. I have nothing to report in this regard.

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

Management is responsible for the preparation and fairly 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 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 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 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.



Vorapoj Amnauypanit
Certified Public Accountant (Thailand) No. 4640

EY Office Limited
Bangkok: 10 February 2025

IRPC Public Company Limited and its subsidiaries

Statement of financial position

As at 31 December 2024

(Unit: Baht)

	Note	Consolidated financial statements		Separate financial statements	
		2024	2023	2024	2023
Assets					
Current assets					
Cash and cash equivalents	7	9,923,955,013	6,220,330,819	9,682,506,343	5,885,820,066
Trade receivables	6, 8	13,269,325,855	15,596,585,496	13,355,188,696	15,692,768,398
Other receivables	8	991,465,880	1,360,507,061	982,448,674	1,346,524,031
Amounts due from related parties	6, 8	1,018,264,157	1,619,205,408	1,037,814,722	1,647,202,567
Short-term loans and interest receivable					
from a related party	6	-	-	18,007,678	20,009,958
Inventories	9	28,791,220,542	32,413,185,205	28,488,423,519	32,063,676,109
Refundable value-added tax		498,072,021	2,200,339,271	495,222,751	2,199,332,990
Prepaid excise tax		352,161,801	144,285,443	352,161,802	144,285,443
Current derivative assets	37.1	29,928,980	74,832,606	29,928,980	74,832,606
Other current assets		2,124,820,691	2,053,515,409	2,114,595,639	2,034,279,045
Total current assets		56,999,214,940	61,682,786,718	56,556,298,804	61,108,731,213
Non-current assets					
Other non-current financial assets	10	1,442,318,198	1,671,791,647	1,441,718,199	1,671,191,649
Investments in subsidiaries	11	-	-	2,287,190,087	2,456,389,987
Investments in joint ventures	12	854,469,177	753,455,309	718,999,790	718,999,790
Investments in associates	13	8,840,510,851	9,012,557,590	5,536,536,374	6,032,785,574
Long-term loans to related parties	6	-	-	56,935,938	66,935,938
Investment properties	14	966,500,776	938,988,819	923,139,842	903,122,010
Property, plant and equipment	15	109,789,479,237	114,362,281,923	108,007,504,954	112,448,772,590
Right-of-use assets	20.1	232,039,699	253,133,973	220,378,517	235,010,349
Intangible assets	16	671,653,820	726,492,290	657,914,014	691,899,907
Deferred tax assets	29	4,704,028,353	3,141,622,030	4,903,881,388	3,284,000,384
Non-current derivative assets	37.1	-	66,767,013	-	66,767,013
Other non-current assets		54,979,333	51,275,224	53,489,541	49,093,648
Total non-current assets		127,555,979,444	130,978,365,818	124,807,688,644	128,624,968,839
Total assets		184,555,194,384	192,661,152,536	181,363,987,448	189,733,700,052

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

IRPC Public Company Limited and its subsidiaries

Statement of financial position (continued)

As at 31 December 2024

(Unit: Baht)

		Consolidated financial statements		Separate financial statements	
	Note	2024	2023	2024	2023
Liabilities and shareholders' equity					
Current liabilities					
Short-term borrowings from					
financial institutions	17	6,800,000,000	7,200,000,000	6,800,000,000	7,200,000,000
Trade payables	6, 18	29,589,435,041	34,304,687,170	29,556,742,797	34,270,357,631
Other payables	18	5,658,590,524	3,801,336,346	5,603,703,398	3,731,154,958
Amounts due to related parties	6, 18	591,623,950	258,284,418	608,275,655	268,108,909
Interest payables		253,927,961	249,334,914	253,927,961	249,334,914
Advance receipts for goods		1,021,778,559	1,387,688,616	876,917,876	1,156,064,992
Current portion of long-term borrowings					
from a related party	6	6,330,625	-	-	-
Current portion of long-term borrowings					
from financial institutions	19.1	5,191,521,844	8,881,797,070	5,191,521,844	8,881,797,070
Current portion of debentures	19.2	3,999,180,708	1,999,642,565	3,999,180,708	1,999,642,565
Current portion of lease liabilities	6, 20.1	109,013,059	106,826,672	104,202,919	100,735,754
Short-term borrowings and interest payable					
from a related party	6	-	-	558,281,017	328,503,675
Income tax payable		20,293,261	14,686,190	-	-
Current derivative liabilities	37.1	-	137,253,350	-	137,253,350
Other current liabilities		602,254,676	602,226,722	597,286,174	598,146,126
Total current liabilities		53,843,950,208	58,943,764,033	54,150,040,349	58,921,099,944
Non-current liabilities					
Long-term borrowings from financial institutions					
- net of current portion	19.1	17,761,256,612	10,990,578,947	17,761,256,612	10,990,578,947
Debentures - net of current portion	19.2	37,966,056,135	41,954,814,917	37,966,056,135	41,954,814,917
Long-term lease liabilities					
- net of current portion	6, 20.1	147,175,708	141,205,117	139,677,130	128,860,190
Long-term borrowings from a related party					
- net of current portion	6	24,960,000	31,290,625	-	-
Provision for long-term employee benefits	21	4,503,309,052	4,461,161,463	4,450,542,893	4,408,673,749
Non-current derivative liabilities	37.1	6,119,321	-	6,119,321	-
Other non-current liabilities		193,827,602	16,605,728	185,576,969	11,190,503
Total non-current liabilities		60,602,704,430	57,595,656,797	60,509,229,060	57,494,118,306
Total liabilities		114,446,654,638	116,539,420,830	114,659,269,409	116,415,218,250

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

IRPC Public Company Limited and its subsidiaries

Statement of financial position (continued)

As at 31 December 2024

(Unit: Baht)

	Note	Consolidated financial statements		Separate financial statements	
		2024	2023	2024	2023
Shareholders' equity					
Share capital					
Registered share capital					
20,475,000,000 ordinary shares					
of Baht 1 each		20,475,000,000	20,475,000,000	20,475,000,000	20,475,000,000
Issued and paid-up share capital					
20,434,419,246 ordinary shares					
of Baht 1 each		20,434,419,246	20,434,419,246	20,434,419,246	20,434,419,246
Share premium		28,554,212,397	28,554,212,397	28,554,212,397	28,554,212,397
Treasury stock - ordinary shares					
held by a subsidiary	22	(124,282,649)	(124,282,649)	-	-
Premium on treasury stock - ordinary shares					
held by a subsidiary		15,177,080	15,177,080	-	-
Retained earnings					
Appropriated - statutory reserve	23	2,047,500,000	2,047,500,000	2,047,500,000	2,047,500,000
Unappropriated		19,237,769,428	24,998,669,301	15,867,348,251	22,297,533,254
Other components of shareholders' equity		(198,761,855)	(15,183,095)	(198,761,855)	(15,183,095)
Equity attributable to owners of the Company		69,966,033,647	75,910,512,280	66,704,718,039	73,318,481,802
Non-controlling interests of the subsidiaries	11	142,506,099	211,219,426	-	-
Total shareholders' equity		70,108,539,746	76,121,731,706	66,704,718,039	73,318,481,802
Total liabilities and shareholders' equity		184,555,194,384	192,661,152,536	181,363,987,448	189,733,700,052

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

Directors

IRPC Public Company Limited and its subsidiaries

Income statement

For the year ended 31 December 2024

(Unit: Baht)

	Note	Consolidated financial statements		Separate financial statements	
		2024	2023	2024	2023
Revenues					
Revenue from sales and services		314,833,225,450	319,047,082,363	313,904,203,336	318,016,221,365
Other income	24	817,956,541	852,961,918	1,489,555,087	956,823,002
Total revenues		<u>315,651,181,991</u>	<u>319,900,044,281</u>	<u>315,393,758,423</u>	<u>318,973,044,367</u>
Expenses					
Cost of sales and services		313,372,168,357	315,498,579,998	312,833,931,430	314,800,450,801
Selling and distribution expenses		1,587,952,395	1,405,491,761	1,644,085,646	1,455,824,688
Administrative expenses	25	6,239,381,572	5,371,997,340	6,041,539,301	5,221,745,805
Loss on impairment of investments in a subsidiary and associates	11, 13	500,000,000	-	669,199,900	1,020,361,359
Net derivative gain	26	(873,313,667)	(514,613,438)	(873,313,667)	(514,613,438)
Total expenses		<u>320,826,188,657</u>	<u>321,761,455,661</u>	<u>320,315,442,610</u>	<u>321,983,769,215</u>
Operating loss		<u>(5,175,006,666)</u>	<u>(1,861,411,380)</u>	<u>(4,921,684,187)</u>	<u>(3,010,724,848)</u>
Share of profit from investments in joint ventures and associates	12, 13	981,708,722	254,057,120	-	-
Finance cost	27	(2,509,690,260)	(2,076,892,126)	(2,517,649,089)	(2,080,357,565)
Loss before income tax revenues		<u>(6,702,988,204)</u>	<u>(3,684,246,386)</u>	<u>(7,439,333,276)</u>	<u>(5,091,082,413)</u>
Income tax revenues	29	1,473,808,640	771,892,957	1,583,614,747	1,029,216,428
Loss for the year		<u>(5,229,179,564)</u>	<u>(2,912,353,429)</u>	<u>(5,855,718,529)</u>	<u>(4,061,865,985)</u>
Profit (loss) attributable to					
Equity holders of the Company		(5,193,032,262)	(2,923,167,490)	(5,855,718,529)	(4,061,865,985)
Non-controlling interests of the subsidiaries		(36,147,302)	10,814,061		
		<u>(5,229,179,564)</u>	<u>(2,912,353,429)</u>		
Basic loss per share	31				
Loss attributable to equity holders of the Company		<u>(0.25)</u>	<u>(0.14)</u>	<u>(0.29)</u>	<u>(0.20)</u>

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

IRPC Public Company Limited and its subsidiaries
Statement of comprehensive income
For the year ended 31 December 2024

(Unit: Baht)

	Note	Consolidated financial statements		Separate financial statements	
		2024	2023	2024	2023
Loss for the year		<u>(5,229,179,564)</u>	<u>(2,912,353,429)</u>	<u>(5,855,718,529)</u>	<u>(4,061,865,985)</u>
Other comprehensive income:					
<i>Other comprehensive income not to be reclassified to profit or loss in subsequent periods</i>					
Actuarial gain	21	48,356,163	-	48,142,165	-
Less: Income tax effect	29	<u>(9,676,464)</u>	<u>-</u>	<u>(9,628,433)</u>	<u>-</u>
		38,679,699	-	38,513,732	-
Loss on investments in equity instruments designated at fair value through other comprehensive income		(229,473,450)	(10,710,455)	(229,473,450)	(10,710,455)
Less: Income tax effect	29	<u>45,894,690</u>	<u>2,142,091</u>	<u>45,894,690</u>	<u>2,142,091</u>
		(183,578,760)	(8,568,364)	(183,578,760)	(8,568,364)
Share of other comprehensive income on investment in associates	13.2	<u>5,718,070</u>	<u>2,080,833</u>	<u>-</u>	<u>-</u>
Other comprehensive loss for the year		<u>(139,180,991)</u>	<u>(6,487,531)</u>	<u>(145,065,028)</u>	<u>(8,568,364)</u>
Total comprehensive loss for the year		<u><u>(5,368,360,555)</u></u>	<u><u>(2,918,840,960)</u></u>	<u><u>(6,000,783,557)</u></u>	<u><u>(4,070,434,349)</u></u>
Total comprehensive income attributable to					
Equity holders of the Company		<u>(5,332,213,253)</u>	<u>(2,929,655,021)</u>	<u>(6,000,783,557)</u>	<u>(4,070,434,349)</u>
Non-controlling interests of the subsidiaries		<u>(36,147,302)</u>	<u>10,814,061</u>		
		<u><u>(5,368,360,555)</u></u>	<u><u>(2,918,840,960)</u></u>		

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

IRPC Public Company Limited and its subsidiaries

Statement of changes in shareholders' equity

For the year ended 31 December 2024

(Unit: Baht)

Consolidated financial statements

	Equity attributable to owners of the Company												
	Other components of shareholders' equity												
	Other												
	comprehensive income												
	Loss on investments in equity instruments												
Issued and paid-up share capital	Share premium	Treasury stock - ordinary shares held by a subsidiary	Premium on treasury stock - ordinary shares held by a subsidiary	Retained earnings		Unappropriated - statutory reserve	comprehensive income	Total equity attributable to owners of the Company	Non-controlling interests of the subsidiaries	Total shareholders' equity			
				Appropriated	Unappropriated								
Balance as at 1 January 2023	20,434,419,246	28,554,212,397	(124,282,649)	15,177,080	2,047,500,000	28,531,873,203	(6,614,731)	79,452,284,546	225,492,122	79,677,776,668			
Profit (loss) for the year	-	-	-	-	-	(2,923,167,490)	-	(2,923,167,490)	10,814,061	(2,912,353,429)			
Other comprehensive income for the year	-	-	-	-	-	2,080,833	(8,568,364)	(6,487,531)	-	(6,487,531)			
Total comprehensive income for the year	-	-	-	-	-	(2,921,086,657)	(8,568,364)	(2,929,655,021)	10,814,061	(2,918,840,960)			
Dividends paid	-	-	-	-	-	(612,117,245)	-	(612,117,245)	(25,086,757)	(637,204,002)			
Balance as at 31 December 2023	20,434,419,246	28,554,212,397	(124,282,649)	15,177,080	2,047,500,000	24,998,669,301	(15,183,095)	75,910,512,280	211,219,426	76,121,731,706			
Balance as at 1 January 2024	20,434,419,246	28,554,212,397	(124,282,649)	15,177,080	2,047,500,000	24,998,669,301	(15,183,095)	75,910,512,280	211,219,426	76,121,731,706			
Loss for the year	-	-	-	-	-	(5,193,032,262)	-	(5,193,032,262)	(36,147,302)	(5,229,179,564)			
Other comprehensive income for the year	-	-	-	-	-	44,397,769	(183,578,760)	(139,180,991)	-	(139,180,991)			
Total comprehensive income for the year	-	-	-	-	-	(5,148,634,493)	(183,578,760)	(5,332,213,253)	(36,147,302)	(5,368,360,555)			
Dividends paid	-	-	-	-	-	(612,265,380)	-	(612,265,380)	(32,566,025)	(644,831,405)			
Balance as at 31 December 2024	20,434,419,246	28,554,212,397	(124,282,649)	15,177,080	2,047,500,000	19,237,769,428	(198,761,855)	69,966,033,647	142,506,099	70,108,539,746			

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

IRPC Public Company Limited and its subsidiaries

Statement of changes in shareholders' equity

For the year ended 31 December 2024

(Unit: Baht)

Separate financial statements

	Issued and paid-up share capital	Share premium	Retained earnings		Other components of shareholders' equity	Total Shareholders' equity
			Appropriated - statutory reserve	Unappropriated	Other comprehensive income Loss on investments in equity instruments designated at fair value through other comprehensive income	
Balance as at 1 January 2023	20,434,419,246	28,554,212,397	2,047,500,000	26,972,231,336	(6,614,731)	78,001,748,248
Loss for the year	-	-	-	(4,061,865,985)	-	(4,061,865,985)
Other comprehensive loss for the year	-	-	-	-	(8,568,364)	(8,568,364)
Total comprehensive loss for the year	-	-	-	(4,061,865,985)	(8,568,364)	(4,070,434,349)
Dividends paid (Note 34)	-	-	-	(612,832,097)	-	(612,832,097)
Balance as at 31 December 2023	20,434,419,246	28,554,212,397	2,047,500,000	22,297,533,254	(15,183,095)	73,318,481,802
Balance as at 1 January 2024	20,434,419,246	28,554,212,397	2,047,500,000	22,297,533,254	(15,183,095)	73,318,481,802
Loss for the year	-	-	-	(5,855,718,529)	-	(5,855,718,529)
Other comprehensive income for the year	-	-	-	38,513,732	(183,578,760)	(145,065,028)
Total comprehensive loss for the year	-	-	-	(5,817,204,797)	(183,578,760)	(6,000,783,557)
Dividends paid (Note 34)	-	-	-	(612,980,206)	-	(612,980,206)
Balance as at 31 December 2024	20,434,419,246	28,554,212,397	2,047,500,000	15,867,348,251	(198,761,855)	66,704,718,039

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

IRPC Public Company Limited and its subsidiaries

Cash flow statement

For the year ended 31 December 2024

(Unit: Baht)

	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Cash flows from operating activities				
Loss before tax	(6,702,988,204)	(3,684,246,386)	(7,439,333,276)	(5,091,082,413)
Adjustments to reconcile loss before tax to net cash provided by (paid from) operating activities				
Depreciation and amortisation	9,139,686,528	8,666,309,961	9,140,688,741	8,666,687,433
Share of profit from investments in joint ventures and associates	(981,708,722)	(254,057,120)	-	-
(Reversal) expected credit losses	(13,275,827)	14,088,169	(13,615,498)	13,684,940
Reversal of loss on reduction of inventory to net realisable value	(1,019,586,501)	(1,904,692,250)	(1,019,586,501)	(1,904,692,250)
Unrealised loss (gain) on exchange rate	98,387,936	(60,019,529)	98,971,901	(60,202,093)
Unrealised (gain) loss on hedge accounting	(19,463,390)	1,344,964	(19,463,390)	1,344,964
Gain on disposal of equipment	(20,208,713)	(5,916,518)	(20,716,991)	(5,990,253)
Loss on write-off of equipment	9,634,782	-	-	-
(Reversal) loss on impairment of an assets	38,243,073	-	(20,017,832)	-
Loss on impairment of investments in subsidiaries and associates	500,000,000	-	669,199,900	1,020,361,359
Provision for long-term employee benefits	370,447,282	293,291,704	366,550,644	288,726,185
Interest income	(82,531,435)	(56,329,961)	(80,774,700)	(55,985,730)
Dividend income	(7,137,251)	(7,391,484)	(643,371,562)	(59,568,626)
Finance cost	2,509,690,260	2,076,892,126	2,517,649,089	2,080,357,565
Profit from operating activities before changes in operating assets and liabilities	3,819,189,818	5,079,273,676	3,536,180,525	4,893,641,081
Operating assets (increase) decrease				
Trade receivables	2,322,952,231	(677,438,430)	2,333,604,975	(733,390,442)
Other receivables	369,685,472	5,183,877,937	364,633,794	5,190,135,772
Amounts due from related parties	584,021,748	(345,525,261)	592,468,341	(357,499,321)
Inventories	4,641,551,164	8,867,554,794	4,594,839,091	8,792,395,112
Refundable value-added tax	1,702,267,250	1,140,037,034	1,704,110,239	1,140,849,937
Prepaid excise tax	(207,876,358)	(31,502,628)	(207,876,359)	(31,502,628)
Other current assets	4,355,751	62,396,212	1,582,662	61,389,580
Other non-current assets	(1,292,460)	1,115,411	(1,984,244)	1,064,896
Operating liabilities increase (decrease)				
Trade payables	(4,713,333,320)	(157,688,696)	(4,712,187,146)	(172,107,176)
Other payables	2,058,780,928	(574,817,755)	2,074,043,283	(562,834,046)
Amounts due to related parties	333,339,532	(59,494,626)	340,166,746	(62,455,674)
Advanced receipts for goods	(365,910,057)	178,162,837	(279,147,116)	(15,662,555)
Other current liabilities	27,953	290,968,908	(859,952)	291,752,214
Provision for long-term employee benefits	(279,943,531)	(78,101,627)	(276,539,335)	(76,815,730)
Other non-current liabilities	177,221,874	(79,236,814)	174,386,466	(77,420,036)
Cash flows from operating activities	10,445,037,995	18,799,580,972	10,237,421,970	18,281,540,984
Cash paid for corporate income tax	(131,515,508)	(171,300,292)	(81,899,256)	(134,908,812)
Cash receipt from withholding tax	9,037,662	1,686,991	-	-
Net cash flows from operating activities	10,322,560,149	18,629,967,671	10,155,522,714	18,146,632,172

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

IRPC Public Company Limited and its subsidiaries

Cash flow statement (continued)

For the year ended 31 December 2024

(Unit: Baht)

	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Cash flows from investing activities				
Proceed from short-term loans to related parties	-	-	2,000,000	114,637,873
Proceed from long-term loan to a related party	-	-	10,000,000	10,000,000
Increase in investments in joint venture and associate	(3,750,800)	(56,000,000)	(3,750,800)	(56,000,000)
Dividend received from subsidiaries, joint ventures and associate	562,210,462	18,264,000	636,234,311	52,177,142
Acquisitions of plant and equipment	(4,311,688,894)	(11,869,847,645)	(4,266,694,212)	(11,813,445,486)
Proceed from disposal of equipment	23,389,307	21,219,582	23,262,403	19,212,811
Acquisitions of intangible assets	(141,323,767)	(199,093,654)	(155,923,768)	(192,653,474)
Interest received	82,531,435	56,329,961	80,776,980	56,182,327
Dividend received	7,137,251	7,391,484	7,137,251	7,391,484
Net cash flows used in investing activities	(3,781,495,006)	(12,021,736,272)	(3,666,957,835)	(11,802,497,323)
Cash flows from financing activities				
Cash receipt (paid) on settlements of financial derivative contracts	(24,936,178)	177,031,490	(24,936,178)	177,031,490
Repayment of lease liabilities	(100,055,105)	(111,202,419)	(209,228,049)	(219,335,338)
Cash receipt from short-term borrowings from a related party	-	-	229,300,313	328,225,654
Cash paid on short-term borrowings from financial institutions	(400,000,000)	(1,800,000,000)	(400,000,000)	(1,800,000,000)
Cash paid on long-term borrowings from a related party	-	(539,367)	-	-
Cash receipt from long-term borrowings from financial institutions	11,945,944,994	-	11,945,944,994	-
Cash receipt from debentures issuance	-	11,981,199,765	-	11,981,199,765
Repayment of long-term borrowings from financial institutions	(8,933,400,000)	(8,786,434,000)	(8,933,400,000)	(8,786,434,000)
Repayment of debentures	(2,000,000,000)	(2,000,000,000)	(2,000,000,000)	(2,000,000,000)
Dividend paid	(612,265,380)	(612,117,245)	(612,980,207)	(612,832,097)
Dividend paid to non-controlling interest of subsidiaries	(32,566,025)	(25,086,757)	-	-
Interest paid	(2,680,163,255)	(2,441,201,856)	(2,686,579,475)	(2,443,861,337)
Net cash flows used in financing activities	(2,837,440,949)	(3,618,350,389)	(2,691,878,602)	(3,376,005,863)
Net increase in cash and cash equivalents	3,703,624,194	2,989,881,010	3,796,686,277	2,968,128,986
Cash and cash equivalents at beginning of year	6,220,330,819	3,230,449,809	5,885,820,066	2,917,691,080
Cash and cash equivalents at end of year	9,923,955,013	6,220,330,819	9,682,506,343	5,885,820,066

Supplemental cash flows information

Non-cash item consist of

Increase in right-of-use assets and lease liabilities from

additional lease agreements	111,158,489	123,582,356	223,512,154	112,070,518
Accounts payable from purchases of fixed assets	157,053,104	357,025,971	157,054,362	356,995,324

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

IRPC Public Company Limited and its subsidiaries

Notes to financial statements

For the year ended 31 December 2024

1. General information

IRPC Public Company Limited (“the Company”) is a public company incorporated and domiciled in Thailand. Its parent company is PTT Public Company Limited, which was incorporated in Thailand. The Company is principally engaged in petroleum and petrochemical business with its products being refinery, lubricant, olefins, aromatics, plastic resins and other petrochemical products. The address of the Company’s registered office is 299 Moo 5, Sukhumvit Road, Choengnuean District, Aumthur Muang, Rayong Province. The Company’s office is located at 555/2 Energy Complex, Building B, 6th floor, Vibhavadi Rangsit Road, Chatuchak, Chatuchak, Bangkok 10900.

2. Basis of preparation

- 2.1 The financial statements have been prepared in accordance with Thai Financial Reporting Standards enunciated under the Accounting Professions Act B.E. 2547 and their presentation 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 financial statements in Thai language are the official statutory financial statements of the Company. The financial statements in English language have been translated from the Thai language financial statements.

The financial statements have been prepared on a historical cost basis except where otherwise disclosed in the accounting policies.

2.2 Basis of consolidation

- a) The consolidated financial statements include the financial statements of IRPC Public Company Limited (“the Company”) and the following subsidiary companies (“the subsidiaries”) (collectively as “the Group”).

Company's name	Nature of business	Country of incorporation	Percentage of shareholding	
			2024	2023
			(%)	(%)
<u>Subsidiaries held by the Company</u>				
IRPC Oil Company Limited	Sales of oil products and gas	Thailand	99.99	99.99
IRPC Technology Co., Ltd.	Vocational school	Thailand	99.99	99.99
Innopolymed Co., Ltd.	Manufacturing and sales of non-woven fabric products and medical consumables	Thailand	60.00	60.00
IRPC A&L Company Limited	Distributing of petrochemical products	Thailand	57.48	57.48
iPolymer Company Limited	In the process of liquidation (2023: Distributing of plastic resin and chemical products via E-Commerce system)	Thailand	55.00	55.00
<u>A subsidiary held by IRPC Oil Company Limited</u>				
Rakpasak Co., Ltd.	Oil vessel renting and producing and distributing of fertilizer products	Thailand	99.99	99.99

- b) The Company is deemed to have control over an investee or subsidiaries if it has rights, or is exposed, to variable returns from its involvement with the investee, and it has the ability to direct the activities that affect the amount of its returns.
- c) Subsidiaries are fully consolidated, being the date on which the Company obtains control, and continue to be consolidated until the date when such control ceases.
- d) The financial statements of the subsidiaries are prepared using the same significant accounting policies as the Company.
- e) Material balances and transactions between the Group have been eliminated from the consolidated financial statements.
- f) Non-controlling interests represent the portion of profit or loss and net assets of the subsidiaries that are not held by the Company and are presented separately in the consolidated profit or loss and within equity in the consolidated statement of financial position.

2.3 The separate financial statements present investments in subsidiaries, joint ventures and associates under the cost method.

3. New financial reporting standards

3.1 Financial reporting standards that became effective in the 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 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 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 management of the Group believes that adoption of these amendments will not have any significant impact on the Group's financial statements.

4. Accounting policies

4.1 Revenue and expense recognition

Revenue from sales and services

Revenue comprises the fair value of the consideration received or receivable for the sale of goods and service in the ordinary course of the Group's activities including excise tax, municipal tax and oil fund. Revenue is shown net of returns, rebates and discounts, and after eliminating sales within the Group. Revenue from sales of goods is recognised when control of the goods has transferred to the customer, being at the point the goods are delivered to the customer. Revenues from rendering of services is recognised as a performance obligation satisfied over time when services underlying the particular performance obligation is transferred to the customer.

Interest income

Interest income is calculated using the effective interest method and recognised on an accrual basis. The effective interest rate is applied to the gross carrying amount of a financial asset, unless the financial assets subsequently become credit-impaired when it is applied to the net carrying amount of the financial asset (net of the expected credit loss allowance).

Finance cost

Interest expense from financial liabilities at amortised cost is calculated using the effective interest method and recognised on an accrual basis.

Dividends

Dividends are recognised when the right to receive the dividends is established.

Other income

Other income is recognised in the statement of income on an accrual basis.

4.2 Cash and cash equivalents

Cash and cash equivalents consist of cash in hand and at banks, and all highly liquid investments with an original maturity of 3 months or less and not subject to withdrawal restrictions.

4.3 Inventories

Finished goods and work in process are valued at the lower of cost (under the weighted average method) and net realisable value. The cost of inventories is measured using the standard cost method, which approximates actual cost and includes all production costs and attributable factory overheads.

Raw materials, chemicals and fuel oil, spare parts and repair materials are valued at the lower of average cost or net realisable value and are charged to production costs whenever consumed.

The cost of purchase comprises both the purchase price and costs directly attributable to the acquisition of the inventory, such as import duties and transportation charges, less all attributable discounts or rebates.

Net realisable value is calculated based on the estimated selling price in the ordinary course of business less the estimated costs of completion and the necessary costs to make the sale.

Allowance for obsolescence, slow moving or defective inventories is recorded based on the consideration of its actual condition, future use of those inventories and the aging analysis at the end of each reporting year.

4.4 Investments in subsidiaries, joint ventures and associates

Investments in joint ventures and associates are accounted for in the consolidated financial statements using the equity method and allowance for loss on impairment (if any).

Investments in subsidiaries, joint ventures and associates are accounted for in the separate financial statements using the cost method and allowance for loss on impairment (if any).

4.5 Investment properties

Investment properties are measured initially at cost, including transaction costs. Subsequent to initial recognition, investment properties are stated at cost less accumulated depreciation and allowance for loss on impairment (if any).

No depreciation is provided on land. Depreciation of other investment properties, which are buildings, is calculated by reference to their costs on the straight-line basis over estimated useful lives of 20 years. Depreciation of the investment properties is included in determining income.

On disposal of investment properties, the difference between the net disposal proceeds and the carrying amount of the asset is recognised in profit or loss in the period when the asset is derecognised.

4.6 Property, plant and equipment and depreciation

Land and land improvement is stated at cost. Buildings and equipment are stated at cost less accumulated depreciation and allowance for loss on impairment of assets (if any).

Depreciation of plant and equipment is calculated by reference to their costs, on the straight-line basis over the following estimated useful lives.

Buildings and building improvements	-	20 - 40 years
Machinery and pipes	-	20 - 30 years
Other machinery	-	Unit of production
Tools and factory equipment	-	10 years
Furniture, fixtures and office equipment	-	5 - 10 years
Vehicles	-	5 - 10 years

Depreciation is included in determining income.

No depreciation is provided on land, land improvement and assets under installation and construction.

An item of property, plant and equipment is derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss arising on disposal of an asset is included in profit or loss when the asset is derecognised.

4.7 Borrowing costs

Borrowing costs directly attributable to the acquisition, construction or production of an asset that necessarily takes a substantial period of time to get ready for its intended use or sale are capitalised as part of the cost of the respective assets. All other borrowing costs are expensed in the period they are incurred. Borrowing costs consist of interest and other costs that an entity incurs in connection with the borrowing of funds.

4.8 Intangible assets

Intangible assets are initially recognised at cost. Following the initial recognition, the intangible assets are carried at cost less any accumulated amortisation and any accumulated impairment losses (if any).

Intangible assets with finite lives are amortised on the straight-line basis over the economic useful life and tested for impairment whenever there is an indication that the intangible asset may be impaired. The amortisation period and the amortisation method of such intangible assets are reviewed at least at each financial year end. The amortisation expense is charged to profit or loss.

A summary of the intangible assets with finite useful lives is as follows:

	<u>Useful lives</u>
Dredging expenses	10 - 20 years
Computer software	5 - 10 years

No amortisation is provided on computer software under installation.

4.9 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 recognises 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 recognised, initial direct costs incurred, 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	3 - 20 years
Buildings	3 years
Tank and storage	3 - 5 years
Computer and accessories	3 - 5 years
Vehicles	2 - 5 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.

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 recognised 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 recognised as expenses on a straight-line basis over the lease term.

The Group as a lessor

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 recognised 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 recognised as an expense over the lease term on the same basis as the lease income.

4.10 Related party transactions

Related parties comprise individuals or enterprises that control, or are controlled by, the Company, whether directly or indirectly, or which are under common control with the Company.

They also include associates, and individuals or enterprises which directly or indirectly own a voting interest in the Company that gives them significant influence over the Company, key management personnel, directors, and officers with authority in the planning and direction of the Company's operations.

4.11 Foreign currencies

The consolidated and separate financial statements are presented in Baht, which is also the Company's functional currency.

Transactions in foreign currencies are translated into Baht at the exchange rate ruling at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies are translated into Baht at the exchange rate ruling at the end of reporting period.

Gains and losses on exchange are included in determining income.

4.12 Impairment of non-financial assets

At the end of each reporting period, the Group performs annual impairment reviews in respect of the property, plant and equipment, right-of-use assets, investment properties and other intangible assets whenever events or changes in circumstances indicate that an asset may be impaired. An impairment loss is recognised 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.

An impairment loss is recognised in profit or loss.

In the assessment of asset impairment, if there is any indication that previously recognised impairment losses may no longer exist or may have decreased, the Group estimates the asset's recoverable amount. A previously recognised 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 recognised. 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 recognised for the asset in prior years. Such reversal is recognised in profit or loss.

4.13 Employee benefits

Short-term employee benefits

Salaries, wages, bonuses and contributions to the social security fund are recognised as expenses when incurred.

Post-employment benefits and other long-term employee benefits

Defined contribution plans

The Company and its employees have jointly established a provident fund. The fund is monthly contributed by employees and by the Company. The fund's assets are held in a separate trust fund and the Company's contributions are recognised as expenses when incurred.

Defined benefit plans and other long-term employee benefits

The Group has obligations in respect of the severance payments it must make to employees upon retirement under labor law and other employee benefit plan. The Group treats these severance payment obligations as a defined benefit plan. In addition, the Group provides other long-term employee benefit plan, namely gold awards plan to employees who have provided their services at their 10, 20 and 30 year anniversaries.

The obligation under the defined benefit plan and other long-term employee benefit plan is determined by a professionally qualified independent actuary based on actuarial techniques, using the projected unit credit method.

Actuarial gains and losses arising from defined benefit plans are recognised immediately in other comprehensive income.

Actuarial gains and losses arising from other long-term benefits are recognised immediately in profit and loss.

4.14 Provisions

Provisions are recognised when the Group has a present obligation as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation, and a reliable estimate can be made of the amount of the obligation.

4.15 Treasury stock

The Group's own equity instruments that have been reacquired (treasury stock) are recognised at cost and deducted from equity. No gain or loss is recognised in profit or loss on the purchase, sale, issue or cancellation of the Group's own equity instruments. Any difference between the carrying amount and the consideration received, if reissued, is recognised in share premium.

4.16 Income tax

Income tax expense represents the sum of corporate income tax currently payable and deferred tax.

Current tax

Current income tax is provided in the accounts at the amount expected to be paid to the taxation authorities, based on taxable profits determined in accordance with tax legislation.

Deferred tax

Deferred income tax is provided on temporary differences between the tax bases of assets and liabilities and their carrying amounts at the end of each reporting period, using the tax rates enacted at the end of the reporting period.

The Group recognises deferred tax liabilities for all taxable temporary differences while it recognises deferred tax assets for all deductible temporary differences and tax losses carried forward to the extent that it is probable that future taxable profit will be available against which such deductible temporary differences and tax losses carried forward can be utilised.

At each reporting date, the Group reviews and reduces the carrying amount of deferred tax assets to the extent that it is no longer probable that sufficient taxable profit will be available to allow all or part of the deferred tax asset to be utilised.

The Group records deferred tax directly to shareholders' equity if the tax relates to items that are recorded directly to shareholders' equity.

Deferred income tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets against current tax liabilities and when the deferred income tax assets and liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities where there is an intention to settle the balances on a net basis.

4.17 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 amortised 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 amortised cost

The Group measures financial assets at amortised 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 amortised cost are subsequently measured using the effective interest rate ("EIR") method and are subject to impairment. Gains and losses are recognised in profit or loss when the asset is derecognised, modified or impaired.

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 recognised in other comprehensive income on these financial assets are never recycled to profit or loss.

Dividends are recognised 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 recognised 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 recognised 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 recognised as other income in profit or loss.

Classification and measurement of financial liabilities

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

Regular way purchases and sales of financial assets

Regular way purchases or sales of financial assets that require delivery of assets within a time frame established by regulation or convention in the marketplace are recognised on the trade date, i.e., the date on which the Group commits to purchase or sell the asset / the settlement date, i.e., the date on which an asset is delivered.

Derecognition of financial instruments

A financial asset is primarily derecognised 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 derecognised 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 recognised in profit or loss.

Impairment of financial assets

The Group recognises 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 ECLs). 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 ECLs).

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 recognises 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 recognised amounts and there is an intention to settle on a net basis, to realise the assets and settle the liabilities simultaneously.

4.18 Derivatives

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

Derivatives are initially recognised at fair value on the date on which a derivative contract is entered into and are subsequently remeasured at fair value. The subsequent changes are recognised in profit or loss. Derivatives are carried as financial assets when the fair value is positive and as financial liabilities when the fair value is negative.

Derivatives are presented as non-current assets or non-current liabilities if the remaining maturity of the instrument is more than 12 months and it is not due to be realised or settled within 12 months. Other derivatives are presented as current assets or current liabilities.

4.19 Fair value measurement

Fair value is the price that would be received to sell an asset or paid to transfer a 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 the use of relevant observable inputs related to assets and liabilities that are required to be measured at fair value.

All assets and liabilities for which fair value is measured or disclosed in the financial statements are categorised within the fair value hierarchy into three levels based on categorise of input to be used in fair value measurement as follows:

- | | |
|---------|---|
| Level 1 | Use of quoted market prices in an 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 | Use of unobservable inputs such as estimates of future cash flows |

At the end of each reporting period, the Group determines 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 a recurring basis.

5. Significant accounting judgements and estimates

The preparation of financial statements in conformity with financial reporting standards at times requires management to make subjective judgements and estimates regarding matters that are inherently uncertain. These judgements and estimates affect reported amounts and disclosures; and actual results could differ from these estimates. Significant judgements and estimates are as follows.

Allowance for expected credit losses of trade receivables

In determining an allowance for expected credit losses of trade receivables, the management needs to make judgement and estimates based upon, among other things, past collection history, aging profile of outstanding debts and the forecast economic condition for groupings of various customer segments with similar credit risks. The Group's historical credit loss experience and forecast economic conditions may also not be representative of whether a customer will actually default in the future.

Allowance for diminution in value of inventories

Net realisable value is calculated based on the estimated selling prices by management in the ordinary course of business less the estimated costs of completion and the necessary costs to make the sale.

Property, plant and equipment and depreciation

In determining depreciation of plant and equipment, the management is required to make estimates of the useful lives and residual values of the plant and equipment and to review estimate useful lives and residual values when there are any changes.

In addition, the management is required to review property, plant and equipment for impairment on a periodical basis and record impairment losses when it is determined that their recoverable amount is lower than the carrying amount. This requires judgements regarding forecast of future revenues and expenses relating to the assets subject to the review.

Deferred tax assets

Deferred tax assets are recognised for deductible temporary differences and unused tax losses to the extent that it is probable that taxable profit will be available against which the temporary differences and losses can be utilised. Significant management judgement is required to determine the amount of deferred tax assets that can be recognised, based upon the likely timing and level of estimate future taxable profits.

Impairment of investments in subsidiaries, joint ventures and associates

The Group records allowance for impairment loss on investments in subsidiaries, joint ventures and associates when the indicator of impairment exists. This requires the management judgement with respect to its projections of future performance of those companies. The Group used a discounted cash flow model, based on projected information for the next 5 years and excluding any restructuring activities to which the Group is not yet committed or significant future investments that will enhance the performance of the assets.

Post-employment benefits under defined benefit plans and other long-term employee benefits

The obligation under the defined benefit plan and other long-term employee benefit plans is determined based on actuarial techniques. Such determination is made based on various assumptions, including discount rate, future salary increase rate, mortality rate and staff turnover rate.

6. Related party transactions

During the years, the Group had significant business transactions with related parties. Such transactions, which are summarised below, arose in the ordinary course of business and were concluded on commercial terms and bases agreed upon between the Group and those related parties.

	(Unit: Million Baht)			
	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
<u>Transactions with subsidiary companies</u>				
(eliminated from the consolidated financial statements)				
Sales of goods and services	-	-	9,365	10,121
Purchases of goods	-	-	10	10
Selling and administrative expenses	-	-	139	136
Interest income, dividend income and other income	-	-	139	115
Interest expense and other expenses	-	-	8	4

(Unit: Million Baht)

For the year ended 31 December

	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
<u>Transactions with the parent company</u>				
Sales of goods and services	4,641	2,516	4,641	2,516
Purchases of goods	217,517	220,840	217,517	220,840
Sales / Purchase crude oil and raw material for crude reserve	207	-	207	-
Selling and administrative expenses	97	61	97	61
Interest income, dividend income and other income	10	13	10	13
<u>Transactions with joint ventures</u>				
Sales of goods and services	429	282	429	282
Interest income, dividend income and other income	68	101	395	119
<u>Transactions with associates</u>				
Sales of goods and services	1,890	1,996	1,890	1,996
Purchases of goods	4,168	3,163	4,168	3,163
Selling and administrative expenses	2	2	-	-
Interest income, dividend income and other income	123	122	358	122
<u>Transactions with related companies</u>				
Sales of goods and services	87,791	118,077	86,967	117,215
Purchases of goods	22,602	33,897	22,594	33,886
Sales / Purchase crude oil and raw material for crude reserve	1,905	-	1,905	-
Selling and administrative expenses	545	572	515	542
Net derivative gain	245	67	245	67
Interest income, dividend income and other income	9	5	6	2
Interest expense and other expenses	1	2	-	1

The pricing policies for particular types of transactions are as follows:

Transactions	Pricing policies
Revenue from sales and services	Market price
Purchases of raw material	Purchases of goods from a major shareholder. The major shareholder has provided services relating to the purchasing and payment process of goods. The purchase price includes a service fee charged by the major shareholder approximates the price of which the Group has procured by its own. In addition, the Company has also entered into commodity derivative contracts with a related party to protect the pricing risk regarding crude oil and petroleum products.
Selling and administrative expenses which mainly are throughout fees and tank farms rental	Contractually agreed prices
Interest income and interest expense	<u>Short-term</u> - the fixed interest rates 1-month and average interest rates 6-month of borrowing between commercial banks (BIBOR) adjusted by certain margins. <u>Long-term</u> - the weighted average interest rates of fixed deposits for four domestic commercial banks and the Minimum Loan Rate (MLR) adjusted by certain margins.
Directors' remunerations (meeting and bonus)	The rate approved by the Board of Directors and shareholders
Dividend received	As declared
Other income and other expense	Mutually agreed price

As at 31 December 2024 and 2023, the balances of the accounts between the Group and those related companies are as follows:

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Trade and other receivables - related parties (Note 8)				
<u>Trade receivables - related parties</u>				
Subsidiaries	-	-	262	352
Parent company	739	398	739	398
Joint ventures	71	68	71	68
Associates	136	177	136	177
Related companies	4,456	8,246	4,407	8,198
Total trade receivables - related parties	5,402	8,889	5,615	9,193
<u>Amounts due from related parties</u>				
Subsidiaries	-	-	30	39
Parent company	599	862	599	862
Joint ventures	3	19	3	19
Associates	1	1	1	1
Related companies	415	737	415	736
Total amounts due from related parties	1,018	1,619	1,048	1,657
Less: Allowance for expected credit losses	-	-	(10)	(10)
Total amounts due from related parties - net	1,018	1,619	1,038	1,647
Trade and other payables - related parties (Note 18)				
<u>Trade payables - related parties</u>				
Subsidiaries	-	-	1	1
Parent company	28,218	30,376	28,218	30,376
Associates	208	281	208	281
Related companies	142	2,486	141	2,485
Total trade payables - related parties	28,568	33,143	28,568	33,143
<u>Amounts due to related parties</u>				
Subsidiaries	-	-	20	13
Associates	580	244	580	244
Related companies	12	14	8	11
Total amounts due to related parties	592	258	608	268
Lease liabilities - related parties				
A related company	2	28	2	28

Loans to related parties and borrowings from related parties

As at 31 December 2024 and 2023, the balances of loans between the Group and those related companies and the movement in loans and borrowings are as follows:

Short-term loans and interest receivable from a related party

(Unit: Million Baht)

Short-term loans and interest receivable	Related by	Separate financial statements			Balance as at 31 December 2024
		Balance as at 31 December 2023	Increase during the year	Decrease during the year	
IRPC Technology Co., Ltd.	Subsidiary	20	93	(95)	18

As at 31 December 2024, average interest rate of short-term loans to a related party is 2.59 - 3.03 percent per annum (2023: 3.03 percent per annum).

Long-term loans to related parties

(Unit: Million Baht)

Long-term loans	Related by	Separate financial statements			Balance as at 31 December 2024
		Balance as at 31 December 2023	Increase during the year	Decrease during the year	
IRPC Technology Co., Ltd.	Subsidiary	20	-	(10)	10
Innoplymed Co., Ltd.	Subsidiary	47	-	-	47
Total		67	-	(10)	57

As at 31 December 2024, average interest rate of long-term loans to related parties are 3.42 - 5.22 percent per annum (2023: 3.42 - 4.97 percent per annum).

Short-term borrowings and interest payable from a related party

(Unit: Million Baht)

Short-term borrowings and interest payable	Related by	Separate financial statements			Balance as at 31 December 2024
		Balance as at 31 December 2023	Increase during the year	Decrease during the year	
IRPC Oil Company Limited	Subsidiary	328	542	(312)	558

As at 31 December 2024, average interest rate of short-term borrowings from a related party is 1.10 - 1.70 percent per annum (2023: 0.45 - 1.10 percent per annum).

Long-term borrowings from a related party

(Unit: Million Baht)

Long-term borrowings	Related by	Consolidated financial statements			
		Balance as at 31 December 2023	Increase during the year	Decrease during the year	Balance as at 31 December 2024
PTT Treasury Center Co., Ltd.	Related company	31	-	-	31
Less: Portion due within one year		-			(6)
Long-term borrowings - net of current portion		31			25

As at 31 December 2024 and 2023, average interest rate of long-term borrowings from a related party is 3.42 percent per annum.

Directors and management's benefits

During the years ended 31 December 2024 and 2023, the Group had employee benefit expenses payable to their directors and management as below.

(Unit: Million Baht)

	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Short-term employee benefits	76	79	73	76
Long-term benefits	1	1	1	1
Total	77	80	74	77

7. Cash and cash equivalents

(Unit: Million Baht)

	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Cash	-	1	-	-
Bank deposits in current accounts	63	78	62	78
Bank deposits in savings accounts	9,811	6,116	9,621	5,808
Bank deposits in fixed accounts with maturity of not more than 3 months	50	25	-	-
Total	9,924	6,220	9,683	5,886

As at 31 December 2024, bank deposits in savings accounts and fixed deposits with maturity of not more than 3 months carried interests between 0.18 and 1.91 percent per annum (2023: 0.05 and 2.05 percent per annum). Cash and cash equivalents are mainly in Thai baht.

8. Trade and other receivables

		(Unit: Million Baht)			
		Consolidated		Separate	
		financial statements		financial statements	
		2024	2023	2024	2023
Trade receivables - related parties					
Aged on the basis of due dates					
Not yet due		4,576	7,888	4,788	8,169
Past due					
Up to 3 months		826	1,001	822	1,024
3 - 6 months		-	-	-	-
6 - 12 months		-	-	5	-
Over 12 months		-	-	-	-
Total trade receivables - related parties (Note 6)		5,402	8,889	5,615	9,193
Trade receivables - unrelated parties					
Aged on the basis of due dates					
Not yet due		6,970	6,313	6,850	6,117
Past due					
Up to 3 months		898	395	890	383
3 - 6 months		-	-	-	-
6 - 12 months		-	13	-	12
Over 12 months		24	25	23	25
Total		7,892	6,746	7,763	6,537
Less: Allowance for expected credit losses		(25)	(38)	(23)	(37)
Total trade receivables - unrelated parties, net		7,867	6,708	7,740	6,500
Total trade receivable - net		13,269	15,597	13,355	15,693
Other receivables					
Receivables from excise department and oil fund		103	498	103	498
Amounts due from related parties (Note 6)		1,018	1,619	1,048	1,657
Others		963	936	935	904
Total		2,084	3,053	2,086	3,059
Less: Allowance for expected credit losses		(74)	(74)	(66)	(66)
Total other receivables - net		2,010	2,979	2,020	2,993
Total trade and other receivables - net		15,279	18,576	15,375	18,686

The normal credit term given to customers is 7 to 120 days.

Set out below is the movements in the allowance for expected credit losses of trade and other receivables.

(Unit: Million Baht)

	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Balance at beginning of year	112	98	103	89
Provision for expected credit losses	-	14	-	14
Amounts recovered during the year	(13)	-	(14)	-
Balance at end of year	99	112	89	103

The Group has no significant changes in estimation and assumption method in current financial reporting period.

9. Inventories

(Unit: Million Baht)

	Consolidated financial statements					
	Cost		Reduce cost to net realisable value		Inventories - net	
	2024	2023	2024	2023	2024	2023
Finished goods	13,685	16,173	(426)	(1,037)	13,259	15,136
Work in process	4	10	-	-	4	10
Raw materials	9,385	12,316	-	(343)	9,385	11,973
Chemicals and fuel oil	1,660	1,610	(28)	(32)	1,632	1,578
Spare parts and repair materials	3,198	3,161	(132)	(194)	3,066	2,967
Goods in transit	1,445	749	-	-	1,445	749
Total	29,377	34,019	(586)	(1,606)	28,791	32,413

(Unit: Million Baht)

	Separate financial statements					
	Cost		Reduce cost to net realisable value		Inventories - net	
	2024	2023	2024	2023	2024	2023
Finished goods	13,426	15,874	(426)	(1,037)	13,000	14,837
Work in process	4	10	-	-	4	10
Raw materials	9,384	12,315	-	(343)	9,384	11,972
Chemicals and fuel oil	1,619	1,564	(28)	(32)	1,591	1,532
Spare parts and repair materials	3,196	3,158	(132)	(194)	3,064	2,964
Goods in transit	1,445	749	-	-	1,445	749
Total	29,074	33,670	(586)	(1,606)	28,488	32,064

During the current year, the Group reversed the write-down of cost of inventories by Baht 1,020 million, and reduced the amount of inventories recognised as expenses during the year. (2023: Baht 1,905 million) (the Company only: Baht 1,020 million, 2023: Baht 1,905 million).

According to the Ministry of Energy's regulations, the Company is required to reserve crude oil at 6 percent of commercial volume (2023: 5 percent of commercial volume) and liquid petroleum gas at 2 percent and petroleum products at 1 percent of the total production output in each period. As at 31 December 2024, the inventories presented in the consolidated and separate financial statements included minimum mandatory reserve on crude oil, liquid petroleum gas, and petroleum products amounting to Baht 8,090 million and Baht 8,087 million, respectively (2023: Baht 6,550 million and Baht 6,547 million in the consolidated and separate financial statements, respectively), which were net amount of allowance for diminution in value and obsolescence of inventories.

10. Other non-current financial assets

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Equity instruments measured				
as at fair value through other				
comprehensive income				
- Non - listed companies	1,411	1,632	1,411	1,631
- Listed company	31	40	31	40
Total other non-current financial assets	1,442	1,672	1,442	1,671

Equity instruments measured as at fair value through other comprehensive income include listed and non-listed equity investments which the Group considers these investments to be strategic in nature.

In 2024, the Group received dividends from equity instruments measured as at fair value through other comprehensive income, which still existed at the reporting date, amounting to Baht 7 million (2023: Baht 7 million) (the Company only: Baht 7 million, 2023: Baht 7 million).

11. Investments in subsidiaries

11.1 Details of investments in subsidiaries as presented in separate financial statements

Company's name	Paid-up capital		Shareholding percentage		Cost		Impairment of investment		Net		Dividend received during the year	
	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023
(Unit: Million Baht)												
IRPC Oil Company Limited	2,000	2,000	99.99	99.99	2,000	2,000	-	-	2,000	2,000	30	-
IRPC Technology Co., Ltd.	750	750	99.99	99.99	750	750	(476)	(476)	274	274	-	-
Innoplymed Co., Ltd.	282	282	60.00	60.00	169	169	(169)	-	-	169	-	-
IRPC A&L Company Limited	10	10	57.48	57.48	14	14	-	-	14	14	44	34
iPolymer Company Limited	120	120	55.00	55.00	66	66	(66)	(66)	-	-	-	-
Total					2,999	2,999	(711)	(542)	2,288	2,457	74	34

On 19 December 2023, the Board of Directors' meeting of the Company passed a resolution approving the dissolution of iPolymer Company Limited, the Company's subsidiary, with a registered capital of Baht 120 million. The Company held 55 percent of the shares in this subsidiary, amounting to Baht 66 million. The dissolution is in accordance with the Company's strategic objectives and aims to increase the efficiency of the Group's operation. On 9 January 2024, an Extraordinary General Meeting of Shareholders of iPolymer Company Limited approved the dissolution on 30 June 2024, and the registration with the Ministry of Commerce was completed on 4 July 2024. The dissolution of the subsidiary has no impact on the Company's operations. As at 31 December 2024 and 2023, the Company recorded allowance for impairment loss of such investment of Baht 66 million in the separate financial statements, taking into account the recoverable amount of the investment.

During 2024, the Company considered the indicator of impairment of the investment in Innopolymed Co., Ltd., the Company's subsidiary, and determined that the recoverable amount of such investment was less than its carrying amount. As at 31 December 2024, the Company recorded allowance for impairment loss of such investment of Baht 169 million in the separate financial statements, taking into account the recoverable amount of the investment.

11.2 Non-controlling interests

Movement of non-controlling interests for the years ended 31 December 2024 and 2023 are summarised below.

		(Unit: Million Baht)	
		Consolidated financial statements	
		2024	2023
Balance at beginning of year		211	225
Dividends paid		(32)	(25)
Share of profit (loss) for the year		(36)	11
Balance at end of year		143	211

12. Investments in joint ventures

12.1 Details of investments in joint ventures

Investments in joint ventures represent investments in entities which are jointly controlled by the Company and other companies. Details of these investments are as follows:

		(Unit: Million Baht)						
		Consolidated financial statements						
Joint ventures	Nature of business	Country of incorporation	Shareholding percentage		Cost		Carrying amounts based on equity method	
			2024	2023	2024	2023	2024	2023
			(%)	(%)				
WHA Industrial Estate Rayong Company Limited	Industrial estate development	Thailand	40.00	40.00	320	320	384	304
IRPC Polyol Company Limited	Manufacturing and sales of chemical products for polyurethanes	Thailand	50.00	50.00	185	185	102	89
Mytex Polymers (Thailand) Company Limited	Manufacturing and sales of chemical products	Thailand	50.00	50.00	350	350	357	350
Vajira Lab for Society Co., Ltd.	Provide analysis and certification services for medical devices	Thailand	50.00	50.00	14	14	11	11
Total					869	869	854	754

(Unit: Million Baht)

Joint ventures	Nature of business	Country of incorporation	Separate financial statements							
			Shareholding percentage		Cost		Allowance for impairment of investments		Carrying amounts based on cost method - net	
			2024	2023	2024	2023	2024	2023	2024	2023
			(%)	(%)						
WHA Industrial Estate Rayong Company Limited	Industrial estate development	Thailand	40.00	40.00	320	320	-	-	320	320
IRPC Polyol Company Limited	Manufacturing and sales of chemical products for polyurethanes	Thailand	50.00	50.00	185	185	(150)	(150)	35	35
Mytex Polymers (Thailand) Company Limited	Manufacturing and sales of chemical products	Thailand	50.00	50.00	350	350	-	-	350	350
Vajira Lab for Society Co., Ltd.	Provide analysis and certification services for medical devices	Thailand	50.00	50.00	14	14	-	-	14	14
Total					869	869	(150)	(150)	719	719

On 20 January 2023, the Extra Ordinary General Meeting of shareholders of WHA Industrial Estate Rayong Company Limited ("WHAIER") passed a resolution to increase the registered share capital from Baht 710 million to be Baht 800 million by issuing 9 million new ordinary shares at par value of Baht 10 each, totalling Baht 90 million to its existing shareholders in proportion to their holdings, in which the Company interest is 40 percent. The Company paid in share capital for investment in joint venture of Baht 36 million on 31 January 2023.

12.2 Share of comprehensive income and dividend received

During the years, the Company recognised its share of comprehensive income from investments in the joint ventures in the consolidated financial statements and dividend received in the separate financial statements as follows:

Joint ventures	(Unit: Million Baht)			
	Consolidated financial statements		Separate financial statements	
	Share of profit (loss) from investments in joint ventures during the year		Dividend received during the year	
	2024	2023	2024	2023
WHA Industrial Estate Rayong Company Limited	401	(6)	320	-
IRPC Polyol Company Limited	13	6	-	-
Mytex Polymers (Thailand) Company Limited	14	11	7	18
Vajira Lab for Society Co., Ltd.	(1)	(1)	-	-
Total	427	10	327	18

13. Investments in associates

13.1 Details of investments in associates

(Unit: Million Baht)

Company's name	Nature of business	Country of incorporation	Consolidated financial statements							
			Shareholding percentage		Carrying amounts based on equity method		Allowance for impairment of investments		Carrying amounts based on equity method - net	
					2024	2023	2024	2023	2024	2023
			2024	2023	2024	2023	2024	2023	2024	2023
			(%)	(%)						
PTT Energy Solutions Co., Ltd.	Engineering consulting	Thailand	20.00	20.00	9	9	-	-	9	9
VISUP Co., Ltd.	Holding	Thailand	22.22	22.22	18	20	-	-	18	20
UBE Chemicals (Asia) Public Company Limited	Manufacturing and sales of petrochemical products	Thailand	25.00	25.00	4,274	4,313	(500)	-	3,774	4,313
Cleantech and Beyond Company Limited	Manufacturing of chemical products	Thailand	43.44	-	4	-	-	-	4	-
IRPC Clean Power Company Limited	Manufacturing and sales of electricity and steam	Thailand	48.99	48.99	5,036	4,670	-	-	5,036	4,670
Total					9,341	9,012	(500)	-	8,841	9,012

(Unit: Million Baht)

Company's name	Nature of business	Country of incorporation	Shareholding percentage		Separate financial statements					
					Cost		Allowance for impairment of investments		Carrying amounts based on cost method - net	
					2024	2023	2024	2023	2024	2023
			2024	2023	2024	2023	2024	2023	2024	2023
			(%)	(%)						
PTT Energy Solutions Co., Ltd.	Engineering consulting	Thailand	20.00	20.00	30	30	(10)	(10)	20	20
VISUP Co., Ltd.	Holding	Thailand	22.22	22.22	20	20	-	-	20	20
UBE Chemicals (Asia) Public Company Limited	Manufacturing and sales of petrochemical products	Thailand	25.00	25.00	5,300	5,300	(1,454)	(954)	3,846	4,346
Cleantech and Beyond Company Limited	Manufacturing of chemical products	Thailand	27.28	-	4	-	-	-	4	-
IRPC Clean Power Company Limited	Manufacturing and sales of electricity and steam	Thailand	48.99	48.99	1,647	1,647	-	-	1,647	1,647
Total					7,001	6,997	(1,464)	(964)	5,537	6,033

On 20 December 2022, a meeting of the Company's Board of Directors passed a resolution to invest in VISUP Co., Ltd., which was registered as a limited company in Thailand and engaged in the operation of holding, by acquiring 2 million ordinary shares at par value of Baht 10 each, totaling Baht 20 million, accounting for 22.22% of the registered capital of VISUP Co., Ltd. The Company paid for such shares on 19 December 2023.

During the year 2024, the Company assessed indications of impairment in its investment in UBE Chemicals (Asia) Public Company Limited, (an associate of the Company) and found that the recoverable amount was lower than the carrying amount of the investment. As at 31 December 2024, the Company recorded an additional impairment allowance for the investment of Baht 500 million, totaling Baht 1,454 million (2023: Baht 954 million) in the separate financial statements. The Company also recorded an impairment allowance of Baht 500 million for the investment in the consolidated financial statements, based on the recoverable amount of the investment.

On 21 June 2024, a meeting of the Company's Board of Directors passed a resolution to approve an investment in Cleantech and Beyond Co., Ltd. which was registered as a limited company in Thailand and engaged in manufacturing of chemical product by acquiring 375,080 ordinary shares at par value of Baht 10 each, totaling Baht 3.75 million, accounting for 27.28% of the registered capital of Cleantech and Beyond Co., Ltd. The Company has already paid for such shares in this associate on 24 September 2024.

In addition, VISUP Co., Ltd., an associate of the Company, invested in Cleantech and Beyond Co., Ltd. by acquiring 999,994 shares at 10 Baht per share, amounting to Baht 9.99 million, representing 72.72% of the registered capital. As a result, as at 31 December 2024, the Group holds a 43.44% stake in Cleantech and Beyond Co., Ltd.

13.2 Share of comprehensive income and dividend received

During the years, the Company has recognised its share of comprehensive income from investments in associates in the consolidated financial statements and dividend received in the separate financial statements as follows:

Associates	(Unit: Million Baht)					
	Consolidated financial statements				Separate financial statements	
	Share of profit (loss) from investments in associates during the year		Share of other comprehensive income from investments in associates during the year		Dividend received during the year	
	2024	2023	2024	2023	2024	2023
PTT Energy Solutions Co., Ltd.	-	(2)	-	-	-	-
VISUP Co., Ltd.	(2)	-	-	-	-	-
UBE Chemicals (Asia) Public Company Limited	(39)	(283)	-	2	-	-
IRPC Clean Power Company Limited	595	529	6	-	235	-
Total	554	244	6	2	235	-

13.3 Summarised financial information about material associates

Summarised financial position

	(Unit: Million Baht)			
	UBE Chemicals (Asia) Public Company Limited		IRPC Clean Power Company Limited	
	2024	2023	2024	2023
Current assets	6,282	6,414	3,868	3,968
Non-current assets	6,404	6,745	11,456	11,434
Current liabilities	(999)	(1,455)	(1,651)	(2,039)
Non-current liabilities	(264)	(241)	(3,670)	(4,123)
Net assets	11,423	11,463	10,003	9,240
Shareholding percentage (%)	25.00	25.00	48.99	48.99
Carrying amounts of associates based on equity method	2,856	2,866	4,900	4,527
Summarised comprehensive income				

	(Unit: Million Baht)			
	For the year ended 31 December			
	UBE Chemicals (Asia) Public Company Limited		IRPC Clean Power Company Limited	
	2024	2023	2024	2023
Revenue	12,326	10,254	8,575	8,112
Net profit (loss) during the year	(40)	(973)	1,230	1,093
Other comprehensive income	-	2	13	-
Total comprehensive income	(40)	(971)	1,243	1,093

14. Investment properties

Movement of investment properties for the years ended 31 December 2024 and 2023 are presented below.

				(Unit: Million Baht)	
	Consolidated financial statements			Separate financial statements	
	Land	Buildings	Total	Land	Total
Cost					
1 January 2023	986	18	1,004	938	938
31 December 2023	986	18	1,004	938	938
Reclassification from property, plant and equipment	14	-	14	14	14
31 December 2024	1,000	18	1,018	952	952
Accumulated depreciation					
1 January 2023	-	18	18	-	-
31 December 2023	-	18	18	-	-
31 December 2024	-	18	18	-	-
Allowance for impairment					
1 January 2023	47	-	47	35	35
31 December 2023	47	-	47	35	35
Reversal of loss on impairment	(14)	-	(14)	(6)	(6)
31 December 2024	33	-	33	29	29
Net book value					
31 December 2023	939	-	939	903	903
31 December 2024	967	-	967	923	923

The additional information of the investment properties as at 31 December 2024 and 2023 stated below.

			(Unit: Million Baht)	
	Consolidated		Separate	
	financial statements	financial statements	financial statements	financial statements
	2024	2023	2024	2023
The fair value of land	1,393	1,140	1,306	1,104
The fair value of buildings	9	9	-	-
Total	1,402	1,149	1,306	1,104

The fair value of the above investment properties has been determined based on valuation performed by an accredited independent valuer. The fair value of land and buildings has been determined based on market prices. Key assumptions used in the valuation include market price per square, trading price, investment value and value in use.

15. Property, plant and equipment

Movements of property, plant and equipment for the years ended 31 December 2024 and 2023 are summarised below.

	Consolidated financial statements							(Unit: Million Baht)
	Furniture, fixtures and office equipment							
	Land and land improvements	Buildings and building improvements	Machinery and pipes	Tools and factory equipment	Vehicles	Assets under installation and construction	Total	
Cost								
1 January 2023	11,795	41,710	153,355	3,537	671	9,646	222,038	
Additions	-	-	40	35	1	10,820	10,926	
Disposals/Write off	-	(18)	(1,699)	(30)	(1)	-	(1,767)	
Transfer in (out)	-	49	3,405	25	6	(3,493)	-	
Reclassification from intangible assets	-	-	36	-	-	-	38	
Capitalised interest	-	-	-	-	-	409	409	
31 December 2023	11,795	41,741	155,137	3,567	677	17,382	231,644	
Additions	-	1	170	39	1	3,877	4,108	
Disposals/Write off	-	(2)	(726)	(28)	(3)	(9)	(790)	
Transfer in (out)	-	2,693	14,511	81	19	(17,326)	-	
Reclassification from intangible assets	-	-	4	-	-	-	76	
Capitalised interest	-	-	-	-	-	201	201	
31 December 2024	11,795	44,433	169,096	3,659	694	4,125	235,239	

(Unit: Million Baht)

	Consolidated financial statements						
	Land and land improvements	Buildings and building improvements	Machinery and pipes	Tools and factory equipment	Furniture, fixtures and office equipment	Vehicles	Assets under installation and construction
							Total
Accumulated depreciation							
1 January 2023	-	22,358	83,205	2,741	1,050	641	109,995
Depreciation for the year	-	1,377	6,772	170	98	11	8,428
Depreciation on disposals/write off	-	(18)	(1,686)	(28)	(19)	(1)	(1,752)
31 December 2023	-	23,717	88,291	2,883	1,129	651	116,671
Depreciation for the year	-	1,438	7,173	163	91	15	8,880
Depreciation on disposals/write off	-	(1)	(725)	(28)	(21)	(3)	(778)
31 December 2024	-	25,154	94,739	3,018	1,199	663	124,773
Allowance for impairment loss							
1 January 2023	73	2	80	-	-	-	611
31 December 2023	73	2	80	-	-	-	611
Allowance of impairment (reversal)	(56)	-	-	-	-	-	66
31 December 2024	17	2	80	-	-	-	677
Net book value							
31 December 2023	11,722	18,022	66,766	684	216	26	114,362
31 December 2024	11,778	19,277	74,277	641	238	31	109,789
Depreciation for the year							
2023 (Baht 8,146 million included in cost of sales and services, and the balance in administrative expenses)							8,428
2024 (Baht 8,596 million included in cost of sales and services, and the balance in administrative expenses)							8,880

(Unit: Million Baht)

	Separate financial statements						
	Land and land improvements	Buildings and building improvements	Machinery and pipes	Tools and factory equipment	Furniture, fixtures and office equipment	Vehicles	Assets under installation and construction
Cost							Total
1 January 2023	11,159	39,747	152,952	2,690	1,163	491	9,369
Additions	-	-	40	33	29	1	10,768
Disposals/Write off	-	(17)	(1,699)	(26)	(15)	-	-
Transfer in (out)	-	22	3,403	17	1	-	(3,443)
Reclassification from intangible assets	-	-	36	-	2	-	-
Capitalised interest	-	-	-	-	-	-	408
31 December 2023	11,159	39,752	154,732	2,714	1,180	492	17,102
Additions	-	1	168	34	18	-	3,841
Disposals/Write off	-	-	(726)	(27)	(20)	(2)	-
Transfer in (out)	-	2,691	14,511	73	20	-	(17,295)
Reclassification from intangible assets	-	-	3	-	70	-	-
Capitalised interest	-	-	-	-	-	-	200
31 December 2024	11,159	42,444	168,688	2,794	1,268	490	3,848
							230,691

(Unit: Million Baht)

	Separate financial statements						
	Land and land improvements	Buildings and building improvements	Machinery and pipes	Tools and factory equipment	Furniture, fixtures and office equipment	Vehicles	Assets under installation and construction
							Total
Accumulated depreciation							
1 January 2023	-	20,894	83,174	2,086	946	462	107,562
Depreciation for the year	-	1,360	6,750	123	86	9	8,328
Depreciation on disposals/write off	-	(17)	(1,686)	(26)	(15)	-	(1,744)
31 December 2023	-	22,237	88,238	2,183	1,017	471	114,146
Depreciation for the year	-	1,422	7,150	116	80	7	8,775
Depreciation on disposals/write off	-	-	(725)	(27)	(20)	(2)	(774)
31 December 2024	-	23,659	94,663	2,272	1,077	476	122,147
Allowance for impairment loss							
1 January 2023	-	-	80	-	-	-	536
31 December 2023	-	-	80	-	-	-	536
31 December 2024	-	-	80	-	-	-	536
Net book value							
31 December 2023	11,159	17,515	66,414	531	163	21	112,449
31 December 2024	11,159	18,785	73,945	522	191	14	108,008
Depreciation for the year							
2023 (Baht 8,158 million included in cost of sales and services, and the balance in administrative expenses)							8,328
2024 (Baht 8,612 million included in cost of sales and services, and the balance in administrative expenses)							8,775

During the year ended 31 December 2024, the Group capitalised borrowing costs into the construction project of Baht 201 million (2023: Baht 409 million) (the Company only: Baht 200 million, 2023: Baht 408 million) arising from financing specifically for the construction of new factories. The Group used the capitalisation rates between 2.30 percent and 6.71 percent (2023: between 2.00 percent and 6.69 percent) to calculate the capitalised borrowing costs which is the weighted average rate of financial charges on borrowings and debentures.

As at 31 December 2024, certain items of plant and equipment were fully depreciated but are still in use. The gross carrying amount before deducting accumulated depreciation and allowance for impairment loss of those assets amounted to approximately Baht 20,345 million (2023: Baht 22,032 million) (the Company only: Baht 19,706 million, 2023: Baht 18,751 million).

16. Intangible assets

Movements of intangible assets for the years ended 31 December 2024 and 2023 are summarised below.

(Unit: Million Baht)

	Consolidated financial statements			
	Dredging expenses	Computer software	Computer software under installation	Total
Cost				
1 January 2023	454	1,616	241	2,311
Additions	-	4	195	199
Transfers in (out)	-	29	(29)	-
Reclassification to property, plant and equipment	-	-	(38)	(38)
31 December 2023	454	1,649	369	2,472
Additions	-	8	133	141
Transfers in (out)	-	101	(101)	-
Reclassification to property, plant and equipment	-	-	(76)	(76)
Capitalised interest	-	-	10	10
31 December 2024	454	1,758	335	2,547
Accumulated amortisation				
1 January 2023	326	1,290	-	1,616
Amortisation for the year	17	113	-	130
31 December 2023	343	1,403	-	1,746
Amortisation for the year	15	114	-	129
31 December 2024	358	1,517	-	1,875

(Unit: Million Baht)

Consolidated financial statements

	Dredging expenses	Computer software	Computer software under installation	Total
Net book value				
31 December 2023	111	246	369	726
31 December 2024	96	241	335	672
Amortisations for the year				
2023 (Baht 44 million included in cost of sales and services, and the balance in administrative expenses)				130
2024 (Baht 39 million included in cost of sales and services, and the balance in administrative expenses)				129

(Unit: Million Baht)

Separate financial statements

	Dredging expenses	Computer software	Computer software under installation	Total
Cost				
1 January 2023	454	1,575	239	2,268
Additions	-	1	192	193
Transfers in (out)	-	29	(29)	-
Reclassification to property, plant and equipment	-	-	(38)	(38)
31 December 2023	454	1,605	364	2,423
Additions	-	23	133	156
Transfers in (out)	-	101	(101)	-
Reclassification to property, plant and equipment	-	-	(73)	(73)
Capitalised interest	-	-	10	10
31 December 2024	454	1,729	333	2,516
Accumulated amortisation				
1 January 2023	326	1,279	-	1,605
Amortisation for the year	17	109	-	126
31 December 2023	343	1,388	-	1,731
Amortisation for the year	15	112	-	127
31 December 2024	358	1,500	-	1,858
Net book value				
31 December 2023	111	217	364	692
31 December 2024	96	229	333	658

(Unit: Million Baht)

	Separate financial statements		
	Dredging expenses	Computer software	Computer software under installation
			Total
Amortisation for the year			
2023 (Baht 45 million included in cost of sales and services, and the balance in administrative expenses)			126
2024 (Baht 38 million included in cost of sales and services, and the balance in administrative expenses)			127

During the year ended 31 December 2024, the Group capitalised borrowing costs into the construction project of Baht 10 million (2023: Nil) (the Company only: Baht 10 million, 2023: Nil). The Group used the capitalisation rates between 2.30 percent and 6.71 percent to calculate the capitalised borrowing costs which is the weighted average rate of financial charges on borrowings and debentures.

As at 31 December 2024, certain items of computer software were fully amortised but are still in use. The gross carrying amount before deducting accumulated amortisation of those assets amounted to approximately Baht 1,437 million (2023: Baht 1,361 million) in the consolidated and separate financial statements.

17. Short-term borrowings from financial institutions

As at 31 December 2024, the short-term borrowings from financial institutions are unsecured promissory notes which carried interest at the rate between 2.20 and 2.31 percent per annum (2023: between 2.61 and 2.77 percent per annum) and due for repayments within the first quarter of 2025. The Company already repaid the loan in full.

18. Trade and other payables

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Trade payables - related parties (Note 6)	28,568	33,143	28,568	33,143
Trade payables - unrelated parties	1,021	1,162	989	1,127
Amounts due to related parties (Note 6)	592	258	608	268
Accounts payable - acquisition of fixed assets	157	357	157	357
Accounts payable - Excise Department and Fuel fund	1,531	608	1,531	608
Accounts payable - Revenue Department	308	55	307	52
Employment restructuring obligations	161	77	161	77
Accrued expense	1,007	1,101	973	1,064
Others	2,499	1,603	2,475	1,574
Total trade and other payables	35,840	38,364	35,769	38,270

19. Borrowings

19.1 Long-term borrowings from financial institutions

As at 31 December 2024 and 2023, the long-term borrowings from financial institutions are summarised as follows:

Loan	Interest rate (percent per annum)	Repayment schedule	Consolidated		Separate	
			financial statements		financial statements	
			2024	2023	2024	2023
1	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in October 2023.	3,149	4,047	3,149	4,047
2	6-month fixed deposit rate (4 banks averaged) plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in November 2020.	1,500	4,499	1,500	4,499
3	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in June 2023.	1,799	2,398	1,799	2,398
4	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in March 2022.	1,000	1,500	1,000	1,500
5	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in October 2023.	1,084	1,394	1,084	1,394
6	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in December 2022.	1,499	2,098	1,499	2,098
7	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in May 2020.	-	1,000	-	1,000
8	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 12 instalments, commencing in December 2018.	-	500	-	500
9	6-month fixed deposit rate plus margin	Principal is repayable every 3 months, totalling 14 instalments, commencing in April 2023.	275	375	275	375
10	1-month SOFR plus margin	Principal is repayable every 6 months, totalling 9 instalments, commencing in June 2020.	683	2,062	683	2,062
11	6-month fixed deposit rate (4 banks averaged) plus margin	Principal repayment is due at the end of the agreement in March 2027.	500	-	500	-
12	3-month THOR plus margin	Principal is repayable every 6 months, totalling 11 instalments, commencing in June 2027.	1,995	-	1,995	-
13	1-month THOR plus margin	Principal is repayable every 6 months, totalling 8 instalments, commencing in November 2027.	4,987	-	4,987	-
14	3-month THOR plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in November 2027.	1,489	-	1,489	-
15	6-month fixed deposit rate plus margin	Principal is repayable every 6 months, totalling 10 instalments, commencing in April 2028.	2,993	-	2,993	-
Total			22,953	19,873	22,953	19,873
Less: Current portion			(5,192)	(8,882)	(5,192)	(8,882)
Long-term borrowings - net of current portion			17,761	10,991	17,761	10,991

Details of long- term borrowings from financial institutions

As at 31 December 2024 and 2023, the Company has long-term borrowing agreements with financial institutions are summarised as follows:

1. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 3,500 million with a local financial institution. The agreement is for a period of 8 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from October 2023 (the 42nd months from the first draw down). The facility was fully drawn down.

On 5 July 2019, the Company entered into the unsecured Facility Agreement of Baht 1,000 million with a local financial institution. The agreement is for a period of 8 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from October 2023 (the 42nd month from the first draw down). The facility was fully drawn down.

2. Unsecured loans with facilities of Baht 15,000 million with 4 local financial institutions are for a period of 8 years from the first draw down with the interest rate of the average maximum 6-month fixed deposit rate of 4 commercial banks plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from 30 November 2020 (the 42nd month from the first draw down). The facilities were fully drawn down.
3. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 3,000 million with a local financial institution. The agreement is for a period of 8 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from June 2023. The facility was fully drawn down.
4. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 2,500 million with a local financial institution. The agreement is for a period of 7 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable semi-annually whereas the principal repayment is separated into 10 semi-annually installments, starting from March 2022. The facility was fully drawn down.

5. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 1,550 million with a local financial institution. The agreement is for a period of 8 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from October 2023 (the 42nd month from the first draw down). The facility was fully drawn down.
6. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 3,000 million with a local financial institution. The agreement is for a period of 8 years with an interest rate at 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from December 2022. The facility was fully drawn down.
7. Unsecured loans with facilities of Baht 5,000 million with a local financial institution are for a period of 8 years from the first draw down with the interest rate of the maximum 6-month fixed deposit rate of an individual plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from 31 May 2020 (the 42nd month from the first draw down). The facilities were fully drawn down.
8. Unsecured loans with facilities of Baht 4,000 million with a local financial institution are for a period of 8 years from the first draw down with the interest rate of the maximum 6-month fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 12 semi-annually installments, starting from 28 December 2018 (the 30th month from the first draw down). The facilities were fully drawn down.
9. On 1 July 2019, the Company entered into the unsecured Facility Agreement of Baht 450 million with a local financial institution. The agreement is for a period of 7 years with the interest rate of the maximum 6-month fixed deposit for juristic persons plus a certain margin per annum (formerly was an interest rate at 6-month THBFIX plus a certain margin per annum). The interest is payable on 3-month basis whereas the principal repayment is separated into 14 quarterly installments, starting from April 2023. The facility was fully drawn down.
10. On 29 June 2018, the Company entered into the Facility Agreement of US Dollar 200 million with two financial institutions. The agreement is for a period of 7 years with an interest rate at 1-month SOFR plus a certain margin per annum (formerly was an interest rate at 1-month LIBOR plus a certain margin per annum). The interest is payable monthly whereas the principal repayment is separated into 9 semi-annually installments, starting from June 2020. The facility was fully drawn down.

11. On 24 January 2024, the Company entered into a loan agreement with a local financial institution for an unsecured loan of Baht 500 million. The agreement is for a period of 3 years. The loan carries an interest rate of the maximum of the average 6-month fixed deposit rate of 4 domestic commercial banks plus a certain margin per annum. Interest payments are made on a 6-month basis, and the principal repayment is due at the end of the agreement period. The facility was fully drawn down.
12. On 26 March 2024, the Company entered into a loan agreement with a local financial institution for an unsecured loan of Baht 2,000 million. These agreements are for a period of 8 years. The loans carry an interest rate based on THOR plus a risk premium per annum. Interest payments are made on 3-month basis, and the principal repayment are made on a 6-month separated into 11 semi-annually installments, starting from June 2027. The facility was fully drawn down.
13. On 28 March 2024, the Company entered into a loan agreement with a local financial institution for an unsecured loan of Baht 5,000 million. These agreements are for a period of 7 years. The loans carry an interest rate based on THOR plus a risk premium per annum. Interest payments are made on 1-month basis, and the principal repayment are made on a 6-month separated into 8 semi-annually installments, starting from November 2027. The facility was fully drawn down.
14. On 24 April 2024, the Company entered into a loan agreement with a local financial institution for an unsecured loan of Baht 1,500 million. The agreement is for a period of 8 years. The loan carries an interest rate based on THOR plus a risk premium per annum. Interest payments are made on a 3-month basis, and the principal repayment is separated into 10 semi-annually installments, starting from November 2027. The facility was fully drawn down.
15. On 24 September 2024, the Company entered into a loan agreement with a local financial institution for an unsecured loan of Baht 3,000 million. The agreement is for a period of 8 years with the interest rate of the maximum 6-months fixed deposit rate plus a certain margin per annum. The interest is payable monthly whereas the principal repayment is separated into 10 semi-annually installments, starting from April 2028. The facility was fully drawn down.

Movements of the long-term borrowings account for the years ended 31 December 2024 and 2023 are summarised below.

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Balance at beginning of year	19,873	28,649	19,873	28,649
Drawdown for long-term borrowings	12,000	-	12,000	-
Repayment of borrowings	(8,933)	(8,786)	(8,933)	(8,786)
Realised loss on exchange	47	17	47	17
Unrealised gain on exchange	(5)	(21)	(5)	(21)
Deferred financing fees	(54)	-	(54)	-
Amortisation of deferred financing fees	25	14	25	14
Balance at end of year	22,953	19,873	22,953	19,873

Under the Facility Agreements, the Group has to comply with the covenants and conditions including the maintenance of certain financial conditions as specified in the agreements such as the maintenance of Debt-to-Equity Ratio and the maintenance of Debt Service Coverage Ratio. As at 31 December 2024 and 2023, the Group has fully complied with such conditions.

19.2 Debentures

As at 31 December 2024 and 2023, the debentures of the Group are summarised as follows:

Debentures	Interest rate (Percent per annum)	Repayment schedule	Consolidated		(Unit: Million Baht)	
			financial statements		Separate	
			2024	2023	2024	2023
1	Fixed	5 years, maturity on 11 September 2025	3,999	3,998	3,999	3,998
2	Fixed	10 years, maturity on 11 September 2030	1,299	1,299	1,299	1,299
3	Fixed	15 years, maturity on 11 September 2035	2,697	2,697	2,697	2,697
4	Fixed	5 years, maturity on 20 May 2026	3,998	3,997	3,998	3,997
5	Fixed	3 years, maturity on 20 May 2024	-	2,000	-	2,000
6	Fixed	7 years, maturity on 20 May 2028	1,999	1,998	1,999	1,998
7	Fixed	10 years, maturity on 20 May 2031	1,998	1,998	1,998	1,998
8	Fixed	15 years, maturity on 20 May 2036	1,998	1,998	1,998	1,998
9	Fixed	5 years, maturity on 20 May 2027	6,995	6,993	6,995	6,993
10	Fixed	4 years, maturity on 20 May 2026	500	499	500	499
11	Fixed	7 years, maturity on 20 May 2029	749	749	749	749
12	Fixed	10 years, maturity on 20 May 2032	1,498	1,498	1,498	1,498
13	Fixed	12 years, maturity on 20 May 2034	2,247	2,247	2,247	2,247
14	Fixed	3 years, maturity on 31 May 2026	3,201	3,199	3,201	3,199
15	Fixed	5 years, maturity on 31 May 2028	3,748	3,747	3,748	3,747
16	Fixed	7 years, maturity on 31 May 2030	3,000	2,999	3,000	2,999
17	Fixed	10 years, maturity on 31 May 2033	2,039	2,038	2,039	2,038
Total			41,965	43,954	41,965	43,954
Less: Current portion			(3,999)	(1,999)	(3,999)	(1,999)
Debentures - net of current portion			37,966	41,955	37,966	41,955

Details of debentures

As at 31 December 2024 and 2023, the Company has debentures as follows.

On 11 September 2020, the Company issued debentures which are non-subordinated, unsecured with a debenture holders' representative in the name-registered certificate for 5 tranches totaling Baht 12,000 million where Tranche 1 and Tranche 2 were offered to general investors totaling Baht 6,000 million and Tranche 3 to Tranche 5 were offered to the limited institutional investors and/or high net worth totaling Baht 6,000 million, respectively.

The details are as follows:

Tranche 1 amounting to Baht 2,000 million for 3 years with a fixed interest rate at 3.00 percent per annum, it will be matured on 11 September 2023.

Tranche 2 amounting to Baht 4,000 million for 5 years with a fixed interest rate at 3.50 percent per annum, it will be matured on 11 September 2025.

Tranche 3 amounting to Baht 2,000 million for 2 years with a fixed interest rate at 2.76 percent per annum, it will be matured on 11 September 2022.

Tranche 4 amounting to Baht 1,300 million for 10 years with a fixed interest rate at 3.93 percent per annum, it will be matured on 11 September 2030.

Tranche 5 amounting to Baht 2,700 million for 15 years with a fixed interest rate at 4.40 percent per annum, it will be matured on 11 September 2035.

Interest is payable on every 11 March and 11 September throughout the debentures' period for all tranches.

On 20 May 2021, the Company issued debentures which are non-subordinated, unsecured with a debenture holders' representative in the name-registered certificate for 5 tranches totaling Baht 12,000 million where Tranche 1 offered to general investors of Baht 4,000 million and Tranche 2 to Tranche 5 were offered to limited institutional investors and/or high net worth totaling Baht 8,000 million, respectively.

The details are as follows:

Tranche 1 amounting to Baht 4,000 million for 5 years with a fixed interest rate at 3.00 percent per annum, it will be matured on 20 May 2026.

Tranche 2 amounting to Baht 2,000 million for 3 years with a fixed interest rate at 1.77 percent per annum, it will be matured on 20 May 2024.

Tranche 3 amounting to Baht 2,000 million for 7 years with a fixed interest rate at 2.91 percent per annum, it will be matured on 20 May 2028.

Tranche 4 amounting to Baht 2,000 million for 10 years with a fixed interest rate at 3.38 percent per annum, it will be matured on 20 May 2031.

Tranche 5 amounting to Baht 2,000 million for 15 years with a fixed interest rate at 4.10 percent per annum, it will be matured on 20 May 2036.

Interest is payable on every 20 May and 20 November throughout the debentures' period for all tranches.

On 20 May 2022, the Company issued debentures which are non-subordinated, unsecured with a debenture holders' representative in the name-registered certificate for 6 tranches totaling Baht 12,000 million whereby Digital debenture and Tranche 1 totaling Baht 7,000 million were offered to general investors and Green debenture and Tranche 2 to Tranche 4 were offered to institutional investors and/or high net worth investors totaling Baht 5,000 million, respectively.

The details of debentures are as follows:

Digital debenture	amounting to Baht 1,000 million for 5 years with a fixed interest rate at 3.10 percent per annum and a maturity date on 20 May 2027
Tranche 1	amounting to Baht 6,000 million for 5 years with a fixed interest rate at 3.10 percent per annum and a maturity date on 20 May 2027
Tranche 2	amounting to Baht 500 million for 4 years with a fixed interest rate at 3.03 percent per annum and a maturity date on 20 May 2026
Green debenture	amounting to Baht 750 million for 7 years with a fixed interest rate at 4.17 percent per annum and a maturity date on 20 May 2029
Tranche 3	amounting to Baht 1,500 million for 10 years with a fixed interest rate at 4.52 percent per annum and a maturity date on 20 May 2032
Tranche 4	amounting to Baht 2,250 million for 12 years with a fixed interest rate at 4.86 percent per annum and a maturity date on 20 May 2034

Interests for all tranches are payable on every 20 May and 20 November throughout the debenture period.

On 31 May 2023, the Company issued debentures which are non-subordinated, unsecured with a debenture holders' representative in the name-registered certificate for 8 tranches totaling Baht 12,000 million were offered to general investors.

The details are as follows:

Tranche 1	amounting to Baht 2,503.0 million for 3 years with a fixed interest rate at 3.20 percent per annum, it will be matured on 31 May 2026.
Tranche 2	amounting to Baht 2,852.5 million for 5 years with a fixed interest rate at 3.70 percent per annum, it will be matured on 31 May 2028.
Tranche 3	amounting to Baht 2,803.5 million for 7 years with a fixed interest rate at 4.00 percent per annum, it will be matured on 31 May 2030.
Tranche 4	amounting to Baht 1,841.0 million for 10 years with a fixed interest rate at 4.20 percent per annum, it will be matured on 31 May 2033.
Digital debenture 5	amounting to Baht 700.0 million for 3 years with a fixed interest rate at 3.20 percent per annum, it will be matured on 31 May 2026.

Digital debenture 6 amounting to Baht 900.0 million for 5 years with a fixed interest rate at 3.70 percent per annum, it will be matured on 31 May 2028.

Digital debenture 7 amounting to Baht 200.0 million for 7 years with a fixed interest rate at 4.00 percent per annum, it will be matured on 31 May 2030.

Digital debenture 8 amounting to Baht 200.0 million for 10 years with a fixed interest rate at 4.20 percent per annum, it will be matured on 31 May 2033.

Interests for all tranches are payable on every 31 May and 30 November throughout the debentures period.

Movements of the debentures account for the years ended 31 December 2024 and 2023 are as follows:

	Consolidated		(Unit: Million Baht)	
	financial statements		Separate	
	2024	2023	2024	2023
Balance at beginning of year	43,954	33,963	43,954	33,963
Issuance of debentures	-	12,000	-	12,000
Repayment of debentures	(2,000)	(2,000)	(2,000)	(2,000)
Financing fee from issuing debentures	-	(19)	-	(19)
Amortisation of financing fee from issuing debentures	11	10	11	10
Balance at end of year	41,965	43,954	41,965	43,954

Under the terms of the debentures, the Company had to comply with certain conditions as stipulated, such as not creating any future lien on assets of the Group, maintaining direct and indirect ownership interest of PTT Public Company Limited in the Company (except for debentures which have been issued and offered on 31 May 2023), maintaining debt-to-equity ratio, etc. As at 31 December 2024 and 2023, the Group has fully fulfilled such conditions.

19.3 Interest rates on borrowings and debentures

The interest rates on borrowings and debentures of the Group as at 31 December 2024 and 2023, are as follows:

	Consolidated		(Unit: Million Baht)	
	financial statements		Separate	
	2024	2023	2024	2023
<u>Effective interest rate (%)</u>				
Debentures	2.91 - 4.86	1.77 - 4.86	2.91 - 4.86	1.77 - 4.86
Long-term borrowings from financial institutions	2.50 - 5.94	2.00 - 6.70	2.50 - 5.94	2.00 - 6.70

19.4 Credit facilities

The Group has credit facilities with the commercial banks and a major shareholder (excluding long-term borrowings) totaling Baht 25,000 million and Baht 10,000 million, respectively, with market interest rates (2023: Baht 23,000 million and Baht 10,000 million, respectively). As at 31 December 2024, the Group has unused credit facilities with the commercial banks and a major shareholder of Baht 12,713 million and Baht 10,000 million, respectively (2023: Baht 6,735 million and Baht 10,000 million, respectively).

20. Leases

20.1 The Group as a lessee

The Group has lease contracts for various items of property, plant, and equipment used in its operations. Leases generally have lease terms between 2 and 20 years.

a) Right-of-use assets

Movements of right-of-use assets for the years ended 31 December 2024 and 2023 are summarised below.

(Unit: Million Baht)

	Consolidated financial statements				
	Land	Buildings	Computer and accessories	Vehicles	Total
1 January 2023	28	68	12	140	248
Additions	3	-	-	121	124
Decrease from termination	-	(11)	-	-	(11)
Depreciation for the year	(6)	(28)	(3)	(71)	(108)
31 December 2023	25	29	9	190	253
Additions	-	1	-	110	111
Decrease from termination	-	(1)	-	(2)	(3)
Depreciation for the year	(6)	(25)	(3)	(95)	(129)
31 December 2024	19	4	6	203	232

(Unit: Million Baht)

	Separate financial statements					
	Land	Buildings	Tank and storage	Computer and accessories	Vehicles	Total
1 January 2023	28	96	82	12	129	347
Increase	3	-	-	-	109	112
Decrease from termination	-	(11)	-	-	-	(11)
Depreciation for the year	(6)	(57)	(82)	(3)	(65)	(213)
31 December 2023	25	28	-	9	173	235
Increase	-	30	85	-	108	223
Depreciation for the year	(6)	(56)	(84)	(2)	(90)	(238)
31 December 2024	19	2	1	7	191	220

b) Lease liabilities

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Lease payments	269	261	256	241
Less: Deferred interest expenses	(13)	(13)	(12)	(11)
Total	256	248	244	230
Less: Portion due within one year	(109)	(107)	(104)	(101)
Lease liabilities - net of current portion	147	141	140	129

Movements of the lease liabilities account during the years ended 31 December 2024 and 2023 are summarised below.

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Balance at beginning of year	248	246	230	348
Additions	120	133	234	120
Decrease	(3)	(11)	-	(11)
Accretion of interest	(9)	(9)	(11)	(8)
Repayments	(100)	(111)	(209)	(219)
Balance at end of year	256	248	244	230

The Group does not face a significant liquidity risk with regard to its lease liabilities. A maturity analysis of lease payments is disclosed in Note 37.2 to financial statements under the liquidity risk.

c) Expenses relating to leases that are recognised in profit or loss

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Depreciation expense of right-of-use assets	129	108	238	213
Interest expense on lease liabilities	9	6	11	8
Expense relating to short-term leases	8	19	9	20
Expense relating to leases of low-value assets	46	44	44	43
Expense relating to variable lease payments that do not depend on an index or a rate	33	36	33	36

The Group has lease contracts for office equipment and vehicle that contains variable payments based on usage and distance. The lease term is 5 - 10 years.

d) Others

The Group had total cash outflows for leases for the year ended 31 December 2024 of Baht 100 million (2023: Baht 111 million) (the Company only: Baht 209 million, 2023: Baht 219 million), including the cash outflow related to short-term lease, leases of low-value assets and variable lease payments that do not depend on an index or a rate.

20.2 Group as a lessor

The Group has entered into operating leases for its investment property portfolio consisting of land and building (see Note 14 to financial statements) of the lease terms are between 1 and 22 years.

The Group has future minimum rentals receivable under non-cancellable operating leases as at 31 December 2024 and 2023 as follows:

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Within 1 year	25	31	32	38
Over 1 and up to 5 years	49	61	53	69
Over 5 years	116	115	115	114
Total	190	207	200	221

During 2024, the Group has sub-lease income amounting to Baht 9 million (2023: Baht 9 million) (the Company only: Baht 9 million, 2023: Baht 9 million).

21. Provision for long-term employee benefits

Provision for long-term employee benefits, which represents compensation payable to employees after they retire and other long-term benefits, was as follows:

			(Unit: Million Baht)	
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Provision for long-term employee				
benefits at beginning of year	4,461	4,246	4,409	4,197
Included in profit or loss:				
Current service cost	199	197	197	194
Interest cost	101	96	100	95
Loss on remeasurement of other				
long-term benefit obligations	70	-	70	-
Included in other comprehensive				
income:				
Actuarial gain arising from measurement				
of retirement benefit obligations	(48)	-	(48)	-
Benefits paid during the year	(280)	(78)	(277)	(77)
Provision for long-term employee				
benefits at end of year	4,503	4,461	4,451	4,409

The Group expects to pay Baht 133 million of long-term employee benefits during the next year (2023: Baht 99 million) (the Company only: Baht 127 million, 2023: Baht 93 million).

As at 31 December 2024, the weighted average duration of the liabilities for long-term employee benefit is 9 years (2023: 11 - 20 years) (the Company only: 9 years, 2023: 11 years).

Significant actuarial assumptions are summarised below.

			(Unit: percent per annum)	
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Discount rate	2.5	2.3 - 3.6	2.5	2.3
Salary increase rate	4.0 - 8.0	4.0 - 8.0	5.0 - 8.0	5.0 - 8.0
Turnover rate	0 - 7.0	0 - 22.9	0 - 2.0	0 - 2.0

The result of sensitivity analysis for significant assumptions that affect the present value of the long-term employee benefit obligation as at 31 December 2024 and 2023 are summarised below.

(Unit: Million Baht)

	2024			
	Consolidated		Separate	
	financial statements		financial statements	
	Increase 1%	Decrease 1%	Increase 1%	Decrease 1%
Discount rate	(388)	447	(384)	442
Salary increase rate	345	(303)	341	(302)

(Unit: Million Baht)

	2023			
	Consolidated		Separate	
	financial statements		financial statements	
	Increase 1%	Decrease 1%	Increase 1%	Decrease 1%
Discount rate	(436)	505	(431)	498
Salary increase rate	397	(350)	391	(345)

On 14 December 2023, the Company has officially announced the incentive of year 2023 project. The objective of this project is to restructure manpower according to the business strategy. The project effective starting as from February 2024 to September 2024.

22. Treasury stock

As at 31 December 2024 and 2023, the Company's ordinary shares of 23,828,400 shares, totaling amount of Baht 124 million have been held by IRPC Oil Company Limited, a subsidiary of the Company. These shares are stated at costs and presented in the consolidated statements of financial position as a deduction of total shareholders' equity.

The subsidiary plans to dispose of the Company's shares when returns are higher than its costs.

23. Statutory reserve

Pursuant to Section 116 of the Public Limited Companies Act B.E. 2535, the Company is required to set aside a statutory reserve at least 5 percent of its net profit after deducting accumulated deficit brought forward (if any), until the reserve reaches 10 percent of the registered capital. The statutory reserve is not available for dividend distribution. At present, the statutory reserve has fully been set aside.

24. Other income

(Unit: Million Baht)

	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Interest income	83	56	81	56
Dividend income	7	7	643	60
Gain on exchange rate	250	239	247	238
Gain on disposal of equipment	20	6	21	6
Loss on write-off of equipment	(10)	-	-	-
Rental income	50	47	53	54
Income from tax refund from the customs import duty	39	71	39	71
Others	379	427	406	472
Total other income	818	853	1,490	957

25. Administrative expenses

(Unit: Million Baht)

	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Staff costs	3,882	3,225	3,832	3,174
Consultant fees	199	154	198	152
Depreciation	284	282	163	170
Rental	90	113	89	113
Advertising	17	20	17	20
Bad debts and doubtful accounts (reversal)	(13)	14	(14)	14
Directors' remuneration	25	27	23	24
Others	1,755	1,537	1,734	1,555
Total administrative expenses	6,239	5,372	6,042	5,222

26. Net derivative gain

(Unit: Million Baht)

	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Realised (gain) loss on financial derivative contracts	25	(177)	25	(177)
Unrealised (gain) loss on financial derivative contracts	(19)	1	(19)	1
Realised gain on commodity derivative contracts	(879)	(339)	(879)	(339)
Total net derivative gain	(873)	(515)	(873)	(515)

Gain on commodity derivative contracts are due to the fluctuation in price of crude oil and petroleum products and the contract price of commodity derivatives which is nature of normal business.

27. Finance costs

(Unit: Million Baht)

	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Interest expense on borrowings and debentures	2,666	2,451	2,671	2,451
Interest expense on lease liabilities	9	6	11	8
Amortisation of deferred financing fees of loans	25	14	25	14
Amortisation of deferred financing fees of debentures	11	10	11	10
Total interest expense	2,711	2,481	2,718	2,483
Less: amounts included in the cost of qualifying assets	(211)	(409)	(210)	(408)
Net	2,500	2,072	2,508	2,075
Others finance cost	10	5	10	5
Total finance cost	2,510	2,077	2,518	2,080

28. Expenses by nature

Significant expenses classified by nature are as follows:

	(Unit: Million Baht)			
	For the year ended 31 December			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Changes of finished goods and work in process	1,883	8,571	1,843	8,496
Cost of raw materials used	259,934	267,545	259,926	267,531
Salaries and wages and other employee benefits	8,394	8,003	8,260	7,860
Depreciation and amortisation	9,140	8,666	9,141	8,667
Directors' and managements' remuneration	77	80	74	77

29. Income tax

Income tax revenues for the years ended 31 December 2024 and 2023 are made up as follows:

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Current income tax:				
Current income tax charge	(52)	(42)	-	-
Deferred tax:				
Relating to origination and reversal of temporary differences	1,526	814	1,584	1,029
Income tax revenues reported in profit or loss	1,474	772	1,584	1,029

The amounts of income tax relating to each component of other comprehensive income for the years ended 31 December 2024 and 2023 are as follows:

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Deferred tax relating to				
Loss on investments in equity instruments measured at fair value through other comprehensive income	46	2	46	2
Actuarial gains	(10)	-	(10)	-

The reconciliation between accounting loss and income tax revenues is shown below.

	(Unit: Million Baht)			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Accounting loss before tax	6,703	3,684	7,439	5,091
Applicable tax rate	20%	20%	20%	20%
Accounting loss before tax multiplied by income tax rate	1,341	737	1,488	1,018
Profit from operations of associates				
- net of tax	196	51	-	-
Adjustment on tax losses carried forward	3	8	3	8
Effects of:				
Non - deductible expenses	(78)	(44)	(45)	(28)
Additional expense deductions allowed	27	19	25	19
Income not subject to tax	1	1	129	12
Others	(16)	-	(16)	-
Total	(66)	(24)	93	3
Income tax revenues reported in profit or loss	1,474	772	1,584	1,029

The components of deferred tax assets and deferred tax liabilities are as follows:

	(Unit: Million Baht)			
	Statements of financial position			
	Consolidated		Separate	
	financial statements		financial statements	
	2024	2023	2024	2023
Deferred tax assets				
Allowance for diminution in value of inventories	33	46	33	46
Provision for long-term employee benefits	895	887	890	882
Fixed assets	237	247	193	195
Tax losses carried forward	3,627	2,164	3,626	2,161
Derivatives	1	27	1	27
Investments in a subsidiary, joint venture and associate	100	-	376	236
Others	42	45	5	11
Total	4,935	3,416	5,124	3,558
Deferred tax liabilities				
Other non-current financial assets	(43)	1	(43)	1
Fixed assets	273	244	262	244
Derivatives	1	29	1	29
Total	231	274	220	274

Effect from international tax reform - Pillar Two model rules

The Group is within the scope of the Pillar Two model rules published by the Organisation for Economic Co-operation and Development (OECD). Accordingly, the Group has applied the mandatory exception requiring that entities shall neither recognise nor disclose information about deferred tax assets and liabilities related to Pillar Two income taxes.

On 26 December 2024, Pillar Two legislation was enacted or substantially enacted in Thailand, where the Group operates, and will be effective for fiscal years beginning on or after 1 January 2025.

The management of the Group and the parent company are currently in the process of assessing the potential exposure to Pillar Two income taxes in the financial statements.

30. Promotional privileges

The Company has received promotional privileges from the Board of Investment for the manufacture of Compounded Plastic, The cogeneration and steam power plant project ("CHP"), Propylene project ("PRP"), EBSM Upgrading for ABS Specialties project ("EBSM"), Polypropylene Resin project ("PPE"), Polypropylene Compound project ("PPC"), High Pressure HDPE Compound project, Investment project in Industrial area and Improve Efficiency for Saving Energy of Petroleum project ("UHV"), Floating Solar project and PP Melt Blown Project, pursuant to the investment promotion certificate subject to certain imposed conditions, are summarised below.

- (a) Exemption from payment of import duty and tax on materials and necessary parts including machinery as approved by the Board
- (b) Exemption from payment of corporate income tax on the net profit derived from certain operations for a period of 3 to 8 years from the date on which the income is first derived from such operations
- (c) 50 percent reduction in the normal corporate income tax rate on the net profit derived from certain operations for a period of 5 years commencing from the expiry date for projects which have been received the exemption from payment of corporate income tax for a period of 8 years as mentioned in (b) above, and
- (d) The double deduction of logistics, electricity and water expenses for a period of 10 years since income is first derived from such operations.

As promoted companies, the Company must comply with certain terms and conditions prescribed in the promotional certificates.

The Company's operating revenues for the years ended 31 December 2024 and 2023, divided between promoted and non-promoted operations, are summarised below.

(Unit: Million Baht)

	Separate financial statements					
	Promoted operations		Non-promoted operations		Total	
	2024	2023	2024	2023	2024	2023
Sales						
Domestic sales	14,604	9,554	232,541	213,402	247,145	222,956
Export sales	4,127	3,552	62,632	91,508	66,759	95,060
Total sales	18,731	13,106	295,173	304,910	313,904	318,016

31. Loss per share

Basic loss per share is calculated by dividing loss for the year attributable to equity holders of the Company (excluding other comprehensive income) by the weighted average number of ordinary shares in issue during the year excluding treasury stock.

The following table sets forth the computation of basic loss per share.

Consolidated financial statements						
Loss for the year		Weighted average		Loss per share		
		number of ordinary shares				
2024	2023	2024	2023	2024	2023	
(Million Baht)	(Million Baht)	(Million shares)	(Million shares)	(Baht)	(Baht)	
Basic loss per share						
Loss attributable to equity holders of the parent						
(5,193)	(2,923)	20,410	20,410	(0.25)	(0.14)	
Separate financial statements						
Loss for the year		Weighted average		Loss per share		
		number of ordinary shares				
2024	2023	2024	2023	2024	2023	
(Million Baht)	(Million Baht)	(Million shares)	(Million shares)	(Baht)	(Baht)	
Basic loss per share						
Loss attributable to equity holders of the parent						
(5,856)	(4,062)	20,434	20,434	(0.29)	(0.20)	

In the consolidated financial statements, the weighted average numbers of ordinary shares outstanding during the years are deducted by 24 million shares of the parent held by a subsidiary (as mentioned in Note 22 to financial statements).

There are no dilutive potential ordinary shares in issue during the years presented, so no diluted earnings per share is presented.

32. Segment information

Operating segment information is reported in a manner consistent with the internal reports that are regularly reviewed by the chief operating decision maker in order to make decisions about the allocation of resources to the segment and assess its performance.

For management purposes, the Group is organised into business units based on its products and services and have 3 reportable segments as follows:

- Petroleum products segment, which produces and sales refinery, lubricant, asphalt.
- Petrochemical products segment, which produces and sales olefins, aromatics and related products including special products
- Other business segments, division related to Power plant, jetty and other utilities

No operating segments have been aggregated to form the above reportable operating segments.

The chief operating decision maker monitors the operating results of the business units separately for the purpose of making decisions about resource allocation and assessing performance. Segment performance is measured based on operating profit or loss and total assets and on a basis consistent with that used to measure operating profit or loss and total assets in the financial statements.

The basis of accounting for any transactions between reportable segments is consistent with that for third party transactions.

The following tables present revenue and profit (loss) information regarding the Group's operating segments for the years ended 31 December 2024 and 2023.

(Unit: Million Baht)

	Consolidated financial statements			
	For the year ended 31 December 2024			
	Petroleum products	Petrochemical products	Other businesses	Total
Revenues from sales and services	252,872	56,943	5,018	314,833
Profit (loss) from operating segments	(1,398)	(4,603)	1,337	(4,664)
Unallocated other expenses				(511)
Loss from operations				(5,175)
Share of profit on investments in joint ventures and associates				982
Finance costs				(2,510)
Income tax revenues				1,474
Loss for the year				(5,229)

(Unit: Million Baht)

	Consolidated financial statements				
	For the year ended 31 December 2024				
	Petroleum products	Petrochemical products	Other businesses	Elimination entries	Total
Segment fixed assets	56,059	25,385	23,069	349	104,862
Unallocated fixed assets					4,928
Segment other assets	32,516	7,454	7,982	(899)	47,053
Unallocated other assets					27,712
Consolidated total assets					184,555

(Unit: Million Baht)

Consolidated financial statements				
For the year ended 31 December 2023				
	Petroleum products	Petrochemical products	Other businesses	Total
Revenues from sales and services	260,771	53,155	5,121	319,047
Profit (loss) from operating segments	3,275	(7,135)	947	(2,913)
Unallocated other income				1,052
Loss from operations				(1,861)
Share of profit on investments in joint ventures and associates				254
Finance costs				(2,077)
Income tax revenues				772
Loss for the year				(2,912)

(Unit: Million Baht)

	Consolidated financial statements				
	For the year ended 31 December 2023				
	Petroleum products	Petrochemical products	Other businesses	Elimination entries	Total
Segment fixed assets	60,591	26,678	22,217	294	109,780
Unallocated fixed assets					4,582
Segment other assets	38,552	8,179	7,881	(761)	53,851
Unallocated other assets					24,448
Consolidated total assets					192,661

Geographic information

Revenue from external customers is based on locations of the customers.

	(Unit: Million Baht)	
	Consolidated financial statements	
	2024	2023
Revenue from external customers		
Thailand	247,972	223,981
Singapore	29,814	45,508
Others	37,047	49,558
Total	314,833	319,047

Major customers

In 2024, the Group has revenue from a major customer which is a related party, amounting to Baht 49,621 million (2023: Baht 51,543 million), arising from sales by petroleum products and other segments.

	(Unit: Million Baht)			
	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Timing of revenue recognition				
Revenue recognised at a point in time	314,634	318,853	313,766	317,876
Revenue recognised over time	199	194	138	140
Total revenues from contracts with customers	314,833	319,047	313,904	318,016

33. Provident fund

The Group and its employees have jointly established a provident fund in accordance with the Provident Fund Act B.E. 2530. The fund, which is managed by a Fund Management Company, will be paid to employees upon termination in accordance with the rules of fund of the Group. During 2024, the Group contributed Baht 408 million (2023: Baht 414 million) (the Company only: Baht 405 million 2023: Baht 411 million) were recognised as expenses.

34. Dividends

Dividends	Approved by	Total dividends (Million Baht)	Dividend per share (Baht)
Final dividends for 2022	Annual General Meeting of shareholders on 5 April 2023	613	0.03
Total dividends for 2023		613	0.03
Final dividends for 2023	Annual General Meeting of shareholders on 5 April 2024	613	0.03
Total dividends for 2024		613	0.03

35. Commitments and contingent liabilities

35.1 Capital commitments

As at 31 December 2024 and 2023, the Group has capital commitments as follows:

	(Unit: Million Baht)			
	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Capital commitments				
Purchase agreements for machinery and construction	1,571	3,328	1,551	3,326
Consultation agreements	147	223	147	222
Other agreements	799	1,090	807	1,090
Total	2,517	4,641	2,505	4,638

35.2 Lease commitments

As at 31 December 2024 and 2023, the Group has future lease payments required under these lease agreements for office building space, vehicle and computer and service agreements that have not yet commenced as follows:

	(Unit: Million Baht)			
	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Within 1 year	13	81	13	79
Over 1 and up to 5 years	-	7	-	5
Total	13	88	13	84

35.3 Guarantees

As at 31 December 2024, there were outstanding bank guarantees of approximately Baht 655 million issued by banks on behalf of the Group. These included letters of guarantee amounting to Baht 542 million to guarantee VAT assessment issued to the Revenue Department (as mentioned in Note 35.7 to financial statements) and amounting to Baht 113 million to guarantee electricity use, among others. (2023: Baht 122 million. These included letters of guarantee amounting to Baht 10 million to guarantee payments due to creditors and amounting to Baht 112 million to guarantee electricity use, among others) (the Company only: letters of guarantee amounting to Baht 542 million to guarantee VAT assessment issued to the Revenue Department (as mentioned in Note 35.7 to financial statements) and amounting to Baht 111 million to guarantee electricity use, among others 2023: letter of guarantee amounting to Baht 10 million to guarantee payments due to creditors and amounting to Baht 110 million to guarantee electricity use, among others).

35.4 Use in public ways and gutters

The Company has filed a petition for the removal of public ways and gutters in accordance with Section 8 of the Land Code by providing the appropriate land for exchange with the public ways and gutters. The Company has also filed a request for permission to use the state land under Section 9 of the Land Code, which is located in the IRPC Industrial Zone Project at Ban Laeng sub-district, Ta Phong sub-district and Choeng Noen sub-district, Muang Rayong district, Rayong province. Currently, the Company has been granted the permission to use the state land under Section 9 of the Land Code and has also filed a request for a renewal of such permission within the period specified by the laws. Regarding the removal of the public ways and gutters under Section 8 of the Land Code, the Company is in the process of execution and considering of the relevant government agencies (as mentioned in Note 35.6 to financial statements).

35.5 Significant agreements with related parties and other entities

(1) Sales/Purchase of Refined Oil Agreement from a depot, Chumporn province

The Company entered into a Sales/Purchase of Refined Oil Agreement from the depot in Chumporn province with PTT Oil and Retail Business Public Company Limited. The Company agrees to sell refined oil from its depot in Chumporn province at a quantity and pricing rates as stipulated in the agreement. The agreement is effective for a period of 1 year with a maturity date of 31 December 2024. The Company has extended the agreement to 31 December 2025. The new terms and conditions are stipulated in the renewal agreement.

(2) Crude and Feedstock Supply Agreement

The Company has entered into Crude and Feedstock Supply Agreements with PTT Public Company Limited. The agreement is effective for a period of 1 year with a maturity date of 31 December 2024. The purchase quantity and pricing structure of crude and feedstock supply are as stipulated in the agreements. The Company has extended the agreement to 31 December 2025. The new terms and conditions are stipulated in the renewal agreement.

(3) Gas Sale and Purchase Agreement

The Company has entered into Gas Sale and Purchase Agreement with PTT Public Company Limited (PTT) two agreements for the quantity and price as specified in the agreement. The agreement is for a period of 1 years and 5 years starting from effective date in specified agreements and will end in June 2023 and April 2026. The agreement can be extended under the conditions stipulated in the agreement.

(4) Petroleum Products Sales and Purchase Agreement

The Company has entered into a sales and purchases agreement of petroleum products with a related party, with agreed quantity and prices as specified in the agreement. The agreement is for a period of 15 years from the effective date specified in the agreement and will end in February 2028, unless both parties agree to terminate the agreement before the expiry date by written notify.

(5) Power and Steam Sale and Purchase Agreements

The Company has entered into the Power Sale and Purchase Agreement and Steam Sale and Purchase Agreement with a related party to purchase electricity and steam according to the agreements. The term of the Power Sale and Purchase Agreement is 25 years, and the term of the Steam Sale and Purchase Agreement is 27 years and shall expire on 14 November 2042.

(6) Compensation Agreement for Emission Reduction

On 29 November 2019, the Company has entered into the Compensation Agreement for Emission Reduction of Nitrogen Oxides with a related party to provide the emission reduction of Nitrogen Oxides service within IRPC Industrial Park. The Company will receive compensation as specified in the agreement which is effective from 29 November 2019 until 31 December 2028.

(7) Various Service Agreement

The Company has entered into the Service Agreement with a related party to provide the accounting, finance, procurement and other management services. The term of the agreement is 1 year from the effective date as stipulated in such agreement and shall expire within December 2025. The service fees are stipulated in the agreements.

35.6 Litigation

The President of the Administrative Organization-Tambon Ban Laeng and 11 government agencies and Minister of Interior and 9 others

Ms. Phayung Meesabai and the other 44 plaintiffs filed a lawsuit to the President of the Administrative Organization - Tambon Ban Laeng and 11 government agencies as the 1st to 11th defendant requesting the Administrative Court of Rayong Province to suspend or dismiss any activities of the Company in expansion IRPC Industrial Zone Project, which it is the public ways and gutters in disputed area (as mentioned in Note 35.4 to financial statements). In addition, they requested the Administrative Court to suspend or dismiss the opinion of the Environmental Health Impact Assessment ("EHIA") report. Subsequently, the defendants filed the case and additionally submitted all docket to the Administrative Court. On 31 March 2017, the Company submitted the petition to Administrative Court to include the Company as 12th defendant in this lawsuit and the Administrative Court has agreed on this matter. On 6 December 2018, 11 plaintiffs submitted to withdraw from the case with Administrative Court which on 12 December 2018, the Administrative Court approved to withdraw the case. Subsequently, the Administrative Court has ordered that 29 July 2020 was the last day of investigation and has dismissed the case on 27 August 2020. The plaintiffs also submitted a petition of appeal to Supreme Administrative Court on 23 September 2020. The Supreme Administrative Court accepted the appeal of the plaintiffs and has ordered the defendants to revise the appeal. On 21 December 2020, the Company submitted the revision appeal to Supreme Administrative Court. As at 31 December 2024, the case is in the process of considering of the Supreme Administrative Court's appeal.

In 2017, Ms. Phayung Meesabai and the other 4 plaintiffs filed a lawsuit to Minister of Interior and 9 others requesting the Administrative Court to suspend the removal of public ways and gutters process (as mentioned in Note 35.4 to financial statements). On 15 January 2019, the Company submitted the petition as a defendant and additionally submitted the docket to the Court on 14 June 2019. Subsequently, the Administrative Court has ordered that 5 August 2020 was the last day of investigation and has dismissed the case on 25 September 2020. The plaintiffs also submitted a petition of appeal to Supreme Administrative Court on 22 October 2020. The Company submitted the revision appeal to Supreme Administrative Court on 4 March 2021 and as at 31 December 2024, the case is in the process of considering of the Supreme Administrative Court's appeal.

As at 31 December 2024 and 2023, the Company's management and its legal consultant are of the opinion that the Company has evidence and information according to the contract to defend the issue in this case and considers that the case will probably not result in the Company incurring losses. Therefore, the Company has not recorded the estimated losses of relevant assets or provision in its accounts.

35.7 Contingent liabilities

In September 2024, the Company 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, the Company is appealing the tax assessment with the Appeal Committee in accordance with the Revenue Code. The management is confident that the Company 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, the Company has not recorded a provision for this liability in the consolidated and separate financial statements.

36. Fair value hierarchy

As at 31 December 2024 and 2023, the Group had the assets and liabilities that were measured at fair value or for which fair value was disclosed using different levels of inputs as follows:

	(Unit: Million Baht)			
	Consolidated financial statements			
	As at 31 December 2024			
	Level 1	Level 2	Level 3	Total
Assets measured at fair value				
Financial assets measured at FVOCI				
Equity investments	31	-	1,411	1,442
Derivatives				
Forward contracts	-	20	-	20
Interest rate swaps contracts	-	10	-	10
Liabilities measured at fair value				
Derivatives				
Interest rate swaps contracts	-	6	-	6
Assets for which fair value are disclosed				
Investment property	-	1,402	-	1,402
Liabilities for which fair value are disclosed				
Debentures	-	41,810	-	41,810

(Unit: Million Baht)

Consolidated financial statements

As at 31 December 2023

	Level 1	Level 2	Level 3	Total
Assets measured at fair value				
Financial assets measured at FVOCI				
Equity investments	40	-	1,632	1,672
Derivatives				
Forward contracts	-	75	-	75
Interest rate swaps contracts	-	67	-	67
Liabilities measured at fair value				
Derivatives				
Cross currency interest rate swap contracts	-	137	-	137
Assets for which fair value are disclosed				
Investment property	-	1,149	-	1,149
Liabilities for which fair value are disclosed				
Debentures	-	43,781	-	43,781

(Unit: Million Baht)

Separate financial statements

As at 31 December 2024

	Level 1	Level 2	Level 3	Total
Assets measured at fair value				
Financial assets measured at FVOCI				
Equity investments	31	-	1,411	1,442
Derivatives				
Forward contracts	-	20	-	20
Interest rate swaps contracts	-	10	-	10
Liabilities measured at fair value				
Derivatives				
Interest rate swaps contracts	-	6	-	6
Assets for which fair value are disclosed				
Investment property	-	1,306	-	1,306
Liabilities for which fair value are disclosed				
Debentures	-	41,810	-	41,810

(Unit: Million Baht)				
Separate financial statements				
As at 31 December 2023				
	Level 1	Level 2	Level 3	Total
Assets measured at fair value				
Financial assets measured at FVOCI				
Equity investments	40	-	1,631	1,671
Derivatives				
Forward contracts	-	75	-	75
Interest rate swaps contracts	-	67	-	67
Liabilities measured at fair value				
Derivatives				
Cross currency interest rate swap contracts	-	137	-	137
Assets for which fair value are disclosed				
Investment property	-	1,104	-	1,104
Liabilities for which fair value are disclosed				
Debentures	-	43,781	-	43,781

In 2024 and 2023, there were no transfers within the fair value hierarchy.

37. Financial instruments

37.1 Derivatives

As at 31 December 2024 and 2023, derivative assets and liabilities held for trading derivatives that are not designated in hedge accounting relationships carried at fair value through profit or loss were as follows:

(Unit: Million Baht)				
Statement of financial position				
	Consolidated financial statements		Separate financial statements	
	2024	2023	2024	2023
Derivative assets - current				
Forward contracts	20	75	20	75
Interest rate swap contracts	10	-	10	-
Derivative assets - non-current				
Interest rate swap contracts	-	67	-	67
Total derivative assets	<u>30</u>	<u>142</u>	<u>30</u>	<u>142</u>
Derivative liabilities - current				
Cross currency interest rate swap contracts	-	137	-	137
Derivative liabilities - non-current				
Interest rate swap contracts	6	-	6	-
Total derivative liabilities	<u>6</u>	<u>137</u>	<u>6</u>	<u>137</u>

The Group has not entered into netting agreements with the counterparties for above derivatives.

Significant contracts related to derivatives are as follows:

Foreign exchange forward contracts

As at 31 December 2024, the Company has entered into foreign exchange forward contracts in USD with three financial institutions totaling USD 52 million (2023: USD 142 million) to mitigate the risk of exchange rate fluctuations. The average foreign exchange forward rate ranged from 34.24 to 34.68 Baht per USD. These contracts are effective from 18 December 2024 to 10 January 2025.

Interest rate swap contracts

1. The Company has entered into interest rate swap contracts of USD long-term borrowings with two financial institutions totaling USD 140 million to swap interests from floating rate to fixed rate as specified in the contracts. The fixed rate was between 2.63 percent and 2.75 percent. The contracts are effective from 15 November 2019 to 30 June 2025. As at 31 December 2024, the Company had outstanding interest rate swap contracts by USD 20 million (2023: USD 60 million).

The above interest rate swap contracts will be swapped the interest every month from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

2. The Company has entered into interest rate swap contracts of THB long-term borrowings with a financial institution totaling Baht 1,000 million to swap interests from floating rate to fixed rate as specified in the contracts. The fixed rate was 3.80 percent. The contracts are effective from 20 August 2024 to 31 August 2026. As at 31 December 2024, the Company had outstanding interest rate swap contracts by Baht 1,000 million (2023: Nil).

The above interest rate swap contracts will be swapped the interest every month from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

3. The Company has entered into interest rate swap contracts of THB long-term borrowings with a financial institution totaling Baht 1,000 million to swap interests from floating rate to fixed rate as specified in the contracts. The fixed rate was 3.82 percent. The contracts are effective from 22 August 2024 to 30 June 2026. As at 31 December 2024, the Company had outstanding interest rate swap contracts by Baht 1,000 million (2023: Nil).

The above interest rate swap contracts will be swapped the interest by quarterly from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

4. The Company has entered into interest rate swap contracts of THB long-term borrowings with a financial institution totaling Baht 1,000 million to swap interests from floating rate to fixed rate as specified in the contracts. The fixed rate was 3.81 percent which is special rate due to the Company being recognised as a model organization in human rights. The contracts are effective from 20 August 2024 to 30 June 2026. As at 31 December 2024, the Company had outstanding interest rate swap contracts by Baht 1,000 million (2023: Nil).

The above interest rate swap contracts will be swapped the interest by quarterly from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

5. The Company has entered into interest rate swap contracts of THB long-term borrowings with a financial institution totaling Baht 1,000 million to swap interests from floating rate to fixed rate as specified in the contracts. The fixed rate was 3.88 percent. The contracts are effective from 22 August 2024 to 26 August 2026. As at 31 December 2024, the Company had outstanding interest rate swap contracts by Baht 1,000 million (2023: Nil).

The above interest rate swap contracts will be swapped the interest every February, May, August and November from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

Cross currency interest rate swap contracts

The Company has entered into three cross currency interest rate swap contracts of Thai Baht long-term borrowings with a financial institution totaling Baht 2,862 million to swap principals from Thai Baht to US Dollar at an exchange rate as specified in the contracts and to swap the fixed interest rate on Thai Baht principal to a fixed interest rate on US Dollar. The average foreign exchange forward rate ranged from 31.70 to 31.91 Baht per USD. The contracts are effective from 28 September 2020 to 30 November 2024. As at 31 December 2023, the Company had outstanding cross currency interest rate swap contracts by Baht 2,862 million (2024: Nil).

The above cross currency interest rate swap contracts will be swapped the interest every ended of May and November from the effective date until the maturity date and will recognise the transactions as derivatives in the financial statements over the period of contracts.

37.2 Financial risk management objectives and policies

The Group's financial instruments principally comprise cash and cash equivalents, trade and other receivables, short-term and long-term loans, investments, debentures, short-term and long-term borrowings from financial institutions. The financial risks associated with these financial instruments and how they are managed is described below.

Credit risk

The Group is exposed to credit risk primarily with respect to trade accounts receivable, short-term and long-term loans, deposits with financial institutions and other financial instruments. Except for derivatives, the maximum exposure to credit risk is limited to the carrying amounts as stated in the statement of financial position. The Group's maximum exposure relating to derivatives is noted in the liquidity risk topic.

Trade and other receivables

In order to minimise credit risk, the Group has determined the policies and procedures to consider the appropriate credit limit for business, comparable to leading companies in the same business. The Group takes into account the risks that will cause bad debts to the Group by having the credit committee who is responsible for supervising the credit management for selling all type of products and services of the Group.

Before approving credit limit to counterparty, the Group has set the terms and analysis for both counterparty with or without collateral to determine the credit rating. The analysis includes financial position, financial performance, ability to pay off debts together with qualitative information such as the Company's profile and major shareholders. The terms and credit limits are determined by the credit ratings as approved by the credit committee. The Group reviews the terms and credit limits with each counterparty on an annually basis.

The Group does not have significant credit risk exposure to any single counterparty or any group of counterparties having similar characteristics. The Group has no significant concentrations of credit risks. 80 percent of the trade receivables has the best credit scoring under the credit rating system used by the Group. Other monitoring procedures are also in place to ensure that follow-up action is taken to recover overdue debts. Furthermore, the calculation reflects the probability-weighted outcome, the time value of money and reasonable and supportable information that is available at the reporting date about past events, current conditions and forecasts of future economic conditions. The Group reviews the recoverable amount of each trade receivable on an individual basis at the end of the reporting period to ensure that adequate loss allowance is made for irrecoverable amounts.

Financial instruments and cash deposits

The credit risk on cash at banks and derivatives is limited because the counterparties are banks with high credit-ratings assigned by international credit-rating agencies.

Market risk

There are 3 types of market risk comprising foreign currency risk, interest rate risk and commodity price risk. The Group enters into a variety of derivatives to manage its risk exposures, including:

- Foreign exchange forward contracts to hedge the foreign currency risk arising on the export or import of goods and raw materials, including foreign currency loans
- Interest rate swaps to mitigate the risk of interest rates fluctuation
- Commodity derivative contracts to mitigate the price risk of purchased inventory

Foreign currency risk

The Group's exposure to the foreign currency risk relates primarily to its trading transactions and loans that are denominated in foreign currencies. The Group seeks to reduce this risk by entering into foreign exchange forward contracts when it considers appropriate. Generally, the forward contracts mature within 5 years.

As at 31 December 2024 and 2023, the material balances of financial assets and liabilities denominated in foreign currencies are summarised below.

Foreign currency	Financial assets		Financial liabilities		Average exchange rate	
	2024	2023	2024	2023	2024	2023
	(Million)	(Million)	(Million)	(Million)	(Baht per 1 foreign currency unit)	
US dollar	156	214	58	70	33.99	34.22
Yen	-	-	37	23	0.22	0.24
Euro	-	-	-	1	35.43	38.03

Foreign currency sensitivity

The Group is mainly exposed to the currency of assets and liabilities to US dollar.

The following tables demonstrate the sensitivity of the Group's loss before tax to a reasonably possible change in US dollar, Euro and Yen exchange rates, with all other variables held constant. The impact on the Group's loss before tax is due to changes in the fair value of monetary assets and liabilities including non-designated foreign currency derivatives. 10 percent is the sensitivity rate used when reporting foreign currency risk internally to key management personnel and represents management's assessment of the reasonably possible change in foreign exchange rates. As at 31 December 2024 and 2023, the Group's exposure to foreign currency changes for all other currencies is not material.

Currency	2024		2023	
	Increase/ decrease	Effect on loss before tax	Increase/ decrease	Effect on loss before tax
	(%)	(Million Baht)	(%)	(Million Baht)
US dollar	10	430	10	189
Euro	10	1	10	5
Yen	10	1	10	1

Interest rate risk

The Group's exposure to interest rate risk relates primarily to its deposits with bank, short-term and long-term loans, debentures and short-term and long-term borrowings. Most of the Group's financial assets and liabilities bear floating interest rates or fixed interest rates which are close to the market rate.

The Group manages its interest rate risk by maintaining an appropriate mix between fixed and floating rate borrowings, and enters into interest rate swaps, in which it agrees to exchange, at specified intervals, between variable and fixed rate interest amounts calculated by reference to an agreed-upon notional principal amount. Hedging activities are evaluated regularly to align with interest rate views and defined risk appetite; ensuring the most cost-effective hedging strategies are applied.

As at 31 December 2024 and 2023, the Group had the outstanding balance of significant financial assets and liabilities which are classified by type of interest rate are summarised in the table below, with those financial assets and liabilities that carry fixed interest rates further classified based on the maturity date, or the repricing date if this occurs before the maturity date.

(Unit: Million Baht)

	Consolidated financial statements						
	As at 31 December 2024						
	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate
	Within 1 year	1-5 years	Over 5 years				
							(% per annum)
Financial assets							
Cash and cash equivalent	9,861	-	-	-	63	9,924	Note 7
Trade receivables	-	-	-	-	13,269	13,269	-
Other receivables	-	-	-	-	333	333	-
Amounts due from related parties	-	-	-	-	1,018	1,018	-
Other non-current financial assets	-	-	-	-	1,442	1,442	-
Derivative financial assets	10	-	-	-	20	30	Note 37.1
Other non-current assets	-	-	-	-	23	23	-

(Unit: Million Baht)

Consolidated financial statements

As at 31 December 2024

	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial liabilities							
Short-term borrowings from							
financial institutions	6,800	-	-	-	-	6,800	Note 17
Trade payables	-	-	-	-	29,589	29,589	-
Other payables	-	-	-	-	3,672	3,672	-
Amounts due to related parties	-	-	-	-	592	592	-
Interest payables	-	-	-	-	254	254	-
Other current liabilities	-	-	-	-	556	556	-
Long-term borrowings from financial							
institutions	-	-	-	22,953	-	22,953	Note 19.1
Debentures	3,999	21,190	16,776	-	-	41,965	Note 19.2
Long-term borrowings from a							
related party	6	25	-	-	-	31	Note 6
Lease liabilities	109	144	3	-	-	256	Note 20
Derivative financial liabilities	-	6	-	-	-	6	Note 37.1
Other non-current liabilities	-	-	-	-	186	186	-

(Unit: Million Baht)

Consolidated financial statements

As at 31 December 2023

	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial assets							
Cash and cash equivalent	6,209	-	-	-	11	6,220	Note 7
Trade receivables	-	-	-	-	15,597	15,597	-
Other receivables	-	-	-	-	285	285	-
Amounts due from related parties	-	-	-	-	1,619	1,619	-
Other non-current financial assets	-	-	-	-	1,672	1,672	-
Derivative financial assets	-	67	-	-	75	142	Note 37.1
Other non-current assets	-	-	-	-	23	23	-

(Unit: Million Baht)

Consolidated financial statements

As at 31 December 2023

	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial liabilities							
Short-term borrowings from							
financial institutions	7,200	-	-	-	-	7,200	Note 17
Trade payables	-	-	-	-	34,305	34,305	-
Other payables	-	-	-	-	3,065	3,065	-
Amounts due to related parties	-	-	-	-	258	258	-
Interest payables	-	-	-	-	249	249	-
Other current liabilities	-	-	-	-	542	542	-
Long-term borrowings from							
financial institutions	-	-	-	19,873	-	19,873	Note 19.1
Debentures	2,000	24,431	17,523	-	-	43,954	Note 19.2
Long-term borrowings from							
a related party	-	25	6	-	-	31	Note 6
Derivative financial liabilities	137	-	-	-	-	137	Note 37.1
Other non-current liabilities	-	-	-	-	11	11	-

(Unit: Million Baht)

Separate financial statements

As at 31 December 2024

	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial assets							
Cash and cash equivalent	9,621	-	-	-	62	9,683	Note 7
Trade receivables	-	-	-	-	13,355	13,355	-
Other receivables	-	-	-	-	332	332	-
Amounts due from a related party	-	-	-	-	1,038	1,038	-
Short-term loans and interest							
receivables from a related party	-	-	-	18	-	18	Note 6
Other non-current financial assets	-	-	-	-	1,442	1,442	-
Long-term loans to related parties	-	-	-	57	-	57	Note 6
Derivative financial assets	10	-	-	-	20	30	Note 37.1
Other non-current assets	-	-	-	-	22	22	-

(Unit: Million Baht)

	Separate financial statements						
	As at 31 December 2024						
	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial liabilities							
Short-term borrowings from							
financial institutions	6,800	-	-	-	-	6,800	Note 17
Trade payables	-	-	-	-	29,557	29,557	-
Other payables	-	-	-	-	3,635	3,635	-
Amounts due to related parties	-	-	-	-	608	608	-
Interest payables	-	-	-	-	254	254	-
Short-term borrowings and interest							
payable from a related party	-	-	-	558	-	558	Note 6
Other current liabilities	-	-	-	-	555	555	-
Long-term borrowings from financial							
institutions	-	-	-	22,953	-	22,953	Note 19.1
Debentures	3,999	21,190	16,776	-	-	41,965	Note 19.2
Lease liabilities	104	137	3	-	-	244	Note 20
Derivative financial liabilities	-	6	-	-	-	6	Note 37.1
Other non-current liabilities	-	-	-	-	186	186	-

(Unit: Million Baht)

Separate financial statements							
As at 31 December 2023							
	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial assets							
Cash and cash equivalent	5,876	-	-	-	10	5,886	Note 7
Trade receivables	-	-	-	-	15,693	15,693	-
Other receivables	-	-	-	-	279	279	-
Amounts due from a related party	-	-	-	-	1,647	1,647	-
Short-term loans and interest							
receivables from a related party	-	-	-	20	-	20	Note 6
Other non-current financial assets	-	-	-	-	1,671	1,671	-
Long-term loans to related parties	-	-	-	67	-	67	Note 6
Derivative financial assets	-	67	-	-	75	142	Note 37.1
Other non-current assets	-	-	-	-	22	22	-

(Unit: Million Baht)

	Separate financial statements						
	As at 31 December 2023						
	Fixed interest rates			Floating interest rate	Non - interest bearing	Total	Effective interest rate (% per annum)
	Within 1 year	1-5 years	Over 5 years				
Financial liabilities							
Short-term borrowings from							
financial institutions	7,200	-	-	-	-	7,200	Note 17
Trade payables	-	-	-	-	34,270	34,270	-
Other payables	-	-	-	-	3,013	3,013	-
Amounts due to related parties	-	-	-	-	268	268	-
Interest payables	-	-	-	-	249	249	-
Other current liabilities	-	-	-	-	541	541	-
Long-term borrowings from							
financial institutions	-	-	-	19,873	-	19,873	Note 19.1
Debentures	2,000	24,431	17,523	-	-	43,954	Note 19.2
Derivative financial liabilities	137	-	-	-	-	137	Note 37.1
Other non-current liabilities	-	-	-	-	11	11	-

Interest rate sensitivity

The following table demonstrates the sensitivity of the Group's loss before tax to a reasonably possible change both financial derivatives and non-financial derivatives as follows.

Effect	2024		2023	
	Increase/ decrease (%)	Effect on loss before tax (Million Baht)	Increase/ decrease (%)	Effect on loss before tax (Million Baht)
Floating rate	1	159	1	179

The above analysis has been prepared assuming that the amounts of liability outstanding at the reporting date was outstanding for the whole year. The Group's sensitivity to 1 percent increase or decrease is used when reporting interest rate risk internally to key management personnel and represents management's assessment of the reasonably possible change in interest rates. This information is not a forecast or prediction of future market conditions and should be used with care.

Interest rate swap contracts

Under interest rate swap contracts, the Group agrees to exchange the difference between fixed and floating rate interest amounts calculated on agreed notional principal amounts. Such contracts enable the Group to mitigate the risk of changing interest rates on the fair value of issued fixed rate debt held and the cash flow exposures on the issued variable rate debt held.

The detail various information regarding interest rate swap contracts outstanding at the end of the reporting period, interest rate swap contract assets and liabilities are included in Note 37.1 to financial statements.

Interest rate swap contracts will be settled every month and every quarter. The floating rate on the interest rate swap contracts is 1-month SOFR plus 1.25 - 1.75 percent and 1-month THOR plus 1.75 - 1.82 percent. The Group will settle the difference between fixed and floating rate on a net basis.

Commodity price risk

The Group is affected by the price volatility of certain petroleum products. Its operating activities require the ongoing purchase and manufacture of petroleum therefore require a continuous crude oil and petroleum products. The Group is exposed to changes in the price of crude oil and petroleum products on its forecast purchases. The Group enters into derivative transactions to limit these risks. Hedging activities are evaluated regularly to align with Group expectations about the price changes and defined risk appetite; ensuring the most cost-effective hedging strategies are applied.

Commodity derivative contracts

The Group has a policy to enter into commodity derivative contracts to manage the commodity price risk associated with anticipated purchase transactions in next 24 months. The Group policy is to enter into crack spread swap contracts up to 50 percent of production quantity and enter into crude oil swap contracts up to 100 percent. However, the Company has no outstanding of commodity derivative contracts as of 31 December 2024 and 2023.

Liquidity risk

The Group monitors the risk of a shortage of liquidity through maintaining adequate reserves, banking facilities, credit facilities from the parent company and reserve borrowing facilities, by continuously monitoring forecast and actual cash flows, and by matching the maturity profiles of financial assets and liabilities. Approximately 48 percent of the Group's debt will mature in less than one year as at 31 December 2024 (2023: 52 percent) (the Company only: 48 percent, 2023: 52 percent) based on the carrying value of borrowings reflected in the financial statements.

The table below summarises the maturity profile of the Group's non-derivative financial liabilities and derivative financial instruments as at 31 December 2024 and 2023 based on contractual undiscounted cash flows.

(Unit: Million Baht)

Consolidated financial statements					
As at 31 December 2024					
	On demand	Less than 1 year	1 to 5 years	> 5 years	Total
Non-derivatives					
Short-term borrowings from financial institutions	-	6,800	-	-	6,800
Trade payables	-	29,589	-	-	29,589
Other payables	-	3,672	-	-	3,672
Amounts due to related parties	-	592	-	-	592
Interest payables	-	254	-	-	254
Other current liabilities	-	556	-	-	556
Long-term borrowings from financial institutions	-	5,193	11,900	5,900	22,993
Debentures	-	4,000	21,206	16,794	42,000
Lease liabilities	-	115	151	3	269
Long-term borrowings from a related party	-	6	25	-	31
Other non-current liabilities	-	-	186	-	186
Derivatives					
Derivative financial assets	-	30	-	-	30
Derivative financial liabilities	-	-	6	-	6

(Unit: Million Baht)

Consolidated financial statements					
As at 31 December 2023					
	On demand	Less than 1 year	1 to 5 years	> 5 years	Total
Non-derivatives					
Short-term borrowings from financial institutions	-	7,200	-	-	7,200
Trade payables	-	34,305	-	-	34,305
Other payables	-	3,065	-	-	3,065
Amounts due to related parties	-	258	-	-	258
Interest payables	-	249	-	-	249
Other current liabilities	-	542	-	-	542
Long-term borrowings from financial institutions	-	8,885	10,998	-	19,883
Debentures	-	2,000	24,455	17,545	44,000
Lease liabilities	-	112	145	4	261
Long-term borrowings from a related party	-	-	25	6	31
Other non-current liabilities	-	-	11	-	11
Derivatives					
Derivative financial assets	-	75	67	-	142
Derivative financial liabilities	-	137	-	-	137

(Unit: Million Baht)

Separate financial statements					
As at 31 December 2024					
	On demand	Less than 1 year	1 to 5 years	> 5 years	Total
Non-derivatives					
Short-term borrowings from financial institutions	-	6,800	-	-	6,800
Trade payables	-	29,557	-	-	29,557
Other payables	-	3,635	-	-	3,635
Amounts due to related parties	-	608	-	-	608
Short-term borrowings from a related party	-	558	-	-	558
Interest payables	-	254	-	-	254
Other current liabilities	-	555	-	-	555
Long-term borrowings from financial institutions	-	5,193	11,900	5,900	22,993
Debentures	-	4,000	21,206	16,794	42,000
Lease liabilities	-	110	143	3	256
Other non-current liabilities	-	-	186	-	186
Derivatives					
Derivative financial assets	-	30	-	-	30
Derivative financial liabilities	-	-	6	-	6

(Unit: Million Baht)

Separate financial statements					
As at 31 December 2023					
	On demand	Less than 1 year	1 to 5 years	> 5 years	Total
Non-derivatives					
Short-term borrowings from financial institutions	-	7,200	-	-	7,200
Trade payables	-	34,270	-	-	34,270
Other payables	-	3,013	-	-	3,013
Amounts due to related parties	-	268	-	-	268
Interest payables	-	249	-	-	249
Other current liabilities	-	541	-	-	541
Long-term borrowings from financial institutions	-	8,885	10,998	-	19,883
Debentures	-	2,000	24,455	17,545	44,000
Lease liabilities	-	105	132	4	241
Other non-current liabilities	-	-	11	-	11
Derivatives					
Derivative financial assets	-	75	67	-	142
Derivative financial liabilities	-	137	-	-	137

37.3 Fair values of financial instruments

Since the majority of the Group's financial instruments are short-term in nature or carrying interest at rates close to the market interest rates, their fair value is not expected to be materially different from the amounts presented in the statement of financial position.

37.4 Reconciliation of recurring fair value measurements of financial assets, categorised within Level 3 of the fair value hierarchy.

	(Unit: Million Baht)	
	Consolidated	Separate
	financial statements	financial statements
Non-listed equity investments		
Balance as of 1 January 2023	1,631	1,630
Net gain recognised in other comprehensive income	1	1
Balance as of 31 December 2023	1,632	1,631
Net loss recognised in other comprehensive income	(221)	(220)
Balance as of 31 December 2024	1,411	1,411

38. Capital management

The primary objective of the Group's capital management is to ensure that it has appropriate capital structure in order to support its business to continue as going concern and maximise shareholder value and it meets financial covenants attached to the loan agreements. The Group has complied with these covenants throughout the reporting periods.

The capital structure of the Group consists of net debts (borrowings disclosed in Note 17, Note 19 and Note 20 to finance statements after deducting cash and cash equivalents balances) and equity of the Group.

The Group's risk management committee reviews the capital structure on a semi-annual basis. As part of this review, the committee considers the cost of capital and the risks associated with each class of capital. The Group has a target gearing ratio not over 1 time determined as the proportion of net debt to equity.

As at 31 December 2024, the Group's net debt-to-equity ratio was 0.89: 1 (2023: 0.86: 1) and the Company's was 0.94: 1 (2023: 0.90: 1).

39. Events after the reporting period

On 10 February 2025, a meeting of the Company's Board of Directors passed a resolution to propose the payment of a dividend of Baht 0.01 per share or a total of Baht 204 million from the Company's retained earnings. This will be proposed to the 2025 Annual General Meeting of the Company's shareholders for approval.

40. Reclassifications

Certain amounts in the statement of financial position as at 31 December 2023 have been reclassified to conform to the current year's classification. The reclassifications are as follows.

(Unit: Million Baht)

	As at 31 December 2023			
	Consolidated		Separate	
	financial statements		financial statements	
	As reclassified	As previously reported	As reclassified	As previously reported
Other payables	3,801	2,864	3,731	2,807
Accrued bonus expenses	-	937	-	924

The reclassifications had no effect to previously reported loss or shareholders' equity.

41. Approval of financial statements

These financial statements were authorised for issue by the Company's Board of Directors on 10 February 2025.