

**TPI Polene Public Company Limited
and its Subsidiaries**

Financial statements for the year ended
31 December 2022
and
Independent auditor's report

Independent Auditor’s Report

To the Shareholders of TPI Polene Public Company Limited

Opinion

I have audited the consolidated and separate financial statements of TPI Polene Public Company Limited and its subsidiaries (the “Group”) and of TPI Polene Public Company Limited (the “Company”), respectively, which comprise the consolidated and separate statements of financial position as at 31 December 2022, and the consolidated and separate statements of comprehensive income, changes in equity and cash flows for the year then ended, and notes, comprising a summary of significant accounting policies and other explanatory information.

In my opinion, the accompanying consolidated and separate financial statements present fairly, in all material respects, the financial position of the Group and the Company, respectively, as at 31 December 2022 and their financial performance and cash flows for the year then ended in accordance with Thai Financial Reporting Standards (TFRSs).

Basis for Opinion

I conducted my audit in accordance with Thai Standards on Auditing (TSAs). My responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Consolidated and Separate Financial Statements* section of my report. I am independent of the Group and the Company in accordance with the *Code of Ethics for Professional Accountants including Independence Standards* issued by the Federation of Accounting Professions (Code of Ethics for Professional Accountants) that is relevant to my audit of the consolidated and separate 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.

Key Audit Matters

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

<i>Valuation of inventory</i>	
Refer to Note 3 and 7 to the financial statements.	
The key audit matter	How the matter was addressed in the audit
<p>Inventory is a significant balance. There is slow moving in some type of inventory. There is a risk arising from the degree of judgment involved in assessing the net realisable value which is based on assumptions concerning future events and activities.</p> <p>Due to the high level of management's judgment and the significant carrying amounts involved, this is one of the key judgmental areas that my audit is concentrated on.</p>	<p>My audit procedures in this area included, among others:</p> <ul style="list-style-type: none"> • understanding the Group's business plan and process on estimate the net realisable value derived from business plan; • considering the management's significant assumptions used in their assessment of the net realisable value of inventory, which included comparing them to internally and externally derived data; • assessing the appropriateness of the methodology used to calculate the net realisable value at year end, considering the reasonableness of selling price used by comparing to the selling price during subsequent sales and assessing the accuracy of the calculation; and • evaluating the adequacy of disclosure in accordance with the related Thai Financial Reporting Standards.

<i>Impairment assessment of property, plant and equipment in consolidated financial statements and loan to in separate financial statements</i>	
Refer to Note 4 and 14 to financial statements.	
The key audit matter	How the matter was addressed in the audit
<p>The continuous loss in operation of two subsidiaries; TPI Polene Bio Organics Co., Ltd. and TPI All Seasons Co., Ltd. indicated that property, plant and equipment and loan to may be impaired.</p> <p>Since the consideration of impairment of assets depend on the management's judgments and assumptions in respect to the forecast of operating results, discount rate, economic conditions and key assumptions used to estimate the recoverable amount of aforementioned business, this is one of the key judgmental areas that my audit is concentrated on.</p>	<p>My audit procedures in this area included, among others:</p> <ul style="list-style-type: none"> • understanding the management's process of identifying impairment indicator, defining significant increase in credit risk and impairment testing, estimate recoverable amount and expected credit loss; • evaluating key assumptions used in discounted future cash flows such as growth rate, future outcomes, and economic conditions used to measure the credit loss and considering the reasonableness of forecasts by comparing historical estimation with the actual results as well as assessing the appropriateness of discount rate used; • evaluating credit risk and considering the reasonableness of supporting information; • assessing the accuracy of the calculation; and • evaluating the adequacy of disclosure in accordance with the related Thai Financial Reporting Standards.

<i>Recognition of deferred tax assets</i>	
Refer to Note 3 and 31 to the financial statements.	
The key audit matter	How the matter was addressed in the audit
<p>The Group has recognised deferred tax assets for unused tax losses that it believes are recoverable.</p> <p>The recoverability of recognised deferred tax assets is in part dependent on the Group's ability to generate future taxable profits sufficient to utilise tax losses (before the latter expire).</p> <p>Due to the inherent uncertainty in forecasting the amount and timing of future taxable profits, this is one of the key judgmental areas that my audit is concentrated on.</p>	<p>My audit procedures in this area included, among others:</p> <ul style="list-style-type: none"> • understanding the method of the management's recognition of deferred tax assets and the assessment of assumptions used in projecting the Group's future taxable profits; • considering the reasonableness of the forecast of future taxable profits by comparing the past forecast to the actual operating results and the operation plans and evaluating assumption used by management by comparing to operation plan and external information; • assessing the accuracy of the calculation; and • evaluating the adequacy of disclosure in accordance with the related Thai Financial Reporting Standards.

Emphasis of Matter

Without modifying my opinion.

I draw attention to notes 38(2) and 38(4) to 38(7) to the financial statements, which described the uncertainty related to the outcome of lawsuits filed against the Company in relation to its operation of mining. The Civil Court issued a judgement as follows:

- 1) On 2 August 2019, the Civil Court had an order on the Black Case No. SorWor.5/2559, engaging the mining activity unlawfully (engaging in the mining restricted area), that the Company has to return the limestone for cement industry back to the area where the mining activity was done and restore the area into its previous condition or pay the compensation of Baht 1,603 million with interest at 7.5 percent per annum from the date of being notified of the land survey result until the date that payment is made in full. The Company filed the appeal together with a delay of judgement execution on 3 December 2019. On 10 May 2022, the Court of Civil, by reading the Court of Appeal's judgement, announced a revision of the calculation of interest. Later, the Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgement of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 12 October 2022. The case is pending a judgement of the Supreme Court.
- 2) On 13 December 2019, the Civil Court had an order on the Black Case No. SorWor.4/2559, the Black Case No. SorWor.6/2559 and the Black Case No. SorWor.1/2560, engaging the limestone and shale mining activity in the area outside its concession area and engaging the mining activity unlawfully, that the Company has to return the limestone and shale for cement industry back to the area where the mining activity was done and restore such area to the previous condition or pay the compensation of Baht 4,688 million with interest at 7.5 percent per annum from the discovery date of the unlawful of mining activity or the date of violation of mining until the date that payment is made in full. The Company filed the appeal. The Court of Appeal's judgement, announced a revision of the calculation of interest. The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgment of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court. On 15 and 22 November 2022, the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company's appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.
- 3) On 24 March 2020, the Civil Court issued a judgment on the Black Case No. SorWor.2/2561, the violation in relation to Company's operation of mining outside its concession area that the Company has to either make a restitution of shale and a specific performance of soil rehabilitation or pay damages totaling Baht 67 million with interest at 7.5 percent per annum from the date of violation of mining to the date that payment is made in full. The Company filed the appeal. The Court of Appeal's judgement, announced a revision of the calculation of interest. The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgment of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court. On 23 January 2023, the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company's appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.

The Company has an opinion that the outcome of lawsuit is not yet final and uncertain, the Company has not recorded the provision for liability of lawsuit. My conclusion is not modified in respect of these matters.

Other Information

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

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

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

When I read the annual report, if I conclude that there is a material misstatement therein, I am required to communicate the matter to those charged with governance and request that the correction be made.

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

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

In preparing the consolidated and separate financial statements, management is responsible for assessing the Group's and the Company'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 and the Company or to cease operations, or has no realistic alternative but to do so.

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

Auditor's Responsibilities for the Audit of the Consolidated and Separate Financial Statements

My objectives are to obtain reasonable assurance about whether the consolidated and separate 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 TSAs 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 consolidated and separate financial statements.

As part of an audit in accordance with TSAs, I exercise professional judgment and maintain professional skepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the consolidated and separate 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 and the Company'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 and the Company'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 consolidated and separate 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 and the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated and separate financial statements, including the disclosures, and whether the consolidated and separate 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, actions taken to eliminate threats or safeguards applied.

From the matters communicated with those charged with governance, I determine those matters that were of most significance in the audit of the consolidated and separate 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.

(Bunyarit Thanormcharoen)
 Certified Public Accountant
 Registration No. 7900

KPMG Phoomchai Audit Ltd.
 Bangkok
 14 February 2023

TPI Polene Public Company Limited and its Subsidiaries

Statement of financial position

Assets	Note	Consolidated		Separate	
		financial statements		financial statements	
		31 December		31 December	
		2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Current assets					
Cash and cash equivalents	5	10,671,192	5,668,608	8,043,775	1,157,874
Trade accounts receivable	4, 6	5,559,513	5,965,998	3,900,175	8,657,063
Other receivables		893,332	952,730	574,258	585,366
Short-term loans to related parties	4	-	-	366,269	418,380
Receivables and advances to related parties	4	129,950	94,889	468,108	470,831
Inventories	7	19,355,015	15,715,380	15,757,810	12,653,929
Other current financial assets	35, 41	953,799	5,995,446	-	2,502,208
Other current assets		1,102,979	638,477	726,285	203,274
Non-current assets classified as held for sale		465,338	-	260,244	-
Total current assets		39,131,118	35,031,528	30,096,924	26,648,925
Non-current assets					
Other non-current financial assets	35, 41	513,274	520,319	14,309	18,447
Investments in associates	9	856,337	842,539	856,337	842,539
Investments in joint venture	9	249,894	-	-	-
Investments in subsidiaries	10	-	-	28,736,575	26,088,167
Long-term investments in related party	4, 12	45,653	45,653	45,653	45,653
Receivables and advances to related parties	4	-	-	421,075	421,115
Investment properties	13	532,187	585,740	74,044	130,516
Property, plant and equipment	14	100,473,740	96,366,052	55,448,812	54,802,393
Right-of-use assets	15	567,889	652,953	347,422	359,483
Intangible assets	16	713,564	660,155	710,635	657,712
Advances payment for plant, machinery and equipment		656,659	240,381	126,237	108,361
Deferred tax assets	31	521,401	545,114	285,077	291,195
Other non-current assets		237,712	223,164	173,181	163,737
Total non-current assets		105,368,310	100,682,070	87,239,357	83,929,318
Total assets		144,499,428	135,713,598	117,336,281	110,578,243

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of financial position

	Note	Consolidated		Separate	
		financial statements		financial statements	
		31 December		31 December	
Liabilities and equity		2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Current liabilities					
Short-term loans from financial institutions	17, 35	4,355,338	3,391,674	4,355,338	3,391,674
Trade accounts payable	4, 18, 35	3,791,529	3,616,626	3,129,922	3,155,688
Other payables	19	3,582,420	2,961,175	2,266,396	2,312,691
Payables and advances from related parties	4	12,549	7,513	272,268	984,447
Current portion of long-term loans from financial institutions	17, 35	-	1,000,000	-	1,000,000
Current portion of lease liabilities	15, 17, 35	151,050	157,073	102,038	97,055
Current portion of debentures	17, 35	12,843,200	12,565,000	10,023,200	8,567,000
Interest payable		375,212	383,089	309,896	324,667
Current income tax payable		119,352	72,562	-	-
Other current liabilities		227,203	251,152	118,400	93,905
Total current liabilities		25,457,853	24,405,864	20,577,458	19,927,127
Non-current liabilities					
Lease liabilities	15, 17, 35	280,479	350,856	144,490	150,222
Debentures	17, 35	53,742,400	50,678,600	41,255,000	39,964,200
Deferred tax liabilities	31	37,370	43,694	-	-
Non-current provisions for employee benefits	20	2,041,884	2,257,704	1,709,848	1,919,174
Other non-current liabilities		125,205	415,037	238,344	246,261
Total non-current liabilities		56,227,338	53,745,891	43,347,682	42,279,857
Total liabilities		81,685,191	78,151,755	63,925,140	62,206,984

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of financial position

	Note	Consolidated financial statements		Separate financial statements	
		31 December		31 December	
		2022	2021	2022	2021
<i>(in thousand Baht)</i>					
Liabilities and equity					
Equity					
Share capital:	21				
Authorised share capital		<u>23,560,235</u>	<u>23,751,500</u>	<u>23,560,235</u>	<u>23,751,500</u>
Issued and paid-up share capital		18,935,235	19,126,500	18,935,235	19,126,500
Share premium:					
Share premium on ordinary shares		60,600	60,600	60,600	60,600
Other surpluses		9,840,436	9,840,436	9,840,436	9,840,436
Share premium on treasury shares	22	220,536	220,536	220,536	220,536
Retained earnings					
Appropriated					
Legal reserve	23	1,559,673	1,209,292	1,559,673	1,209,292
Treasury shares reserve	22	-	-	-	-
Unappropriated		22,684,993	17,796,425	22,681,164	17,796,425
Treasury shares	22	-	-	-	-
Other components of equity		<u>109,668</u>	<u>117,470</u>	<u>113,497</u>	<u>117,470</u>
Equity attributable to owners of the parent		<u>53,411,141</u>	<u>48,371,259</u>	<u>53,411,141</u>	<u>48,371,259</u>
Non-controlling interests	11	<u>9,403,096</u>	<u>9,190,584</u>	-	-
Total equity		<u>62,814,237</u>	<u>57,561,843</u>	<u>53,411,141</u>	<u>48,371,259</u>
Total liabilities and equity		<u>144,499,428</u>	<u>135,713,598</u>	<u>117,336,281</u>	<u>110,578,243</u>

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of comprehensive income

	Note	Consolidated		Separate	
		financial statements		financial statements	
		Year ended 31 December		Year ended 31 December	
		2022	2021	2022	2021
<i>(in thousand Baht)</i>					
Income					
Revenue from sale of goods	24, 32	48,132,999	38,919,785	37,719,377	28,570,130
Cost of sales of goods	7	<u>(35,276,512)</u>	<u>(26,391,000)</u>	<u>(29,073,010)</u>	<u>(21,505,453)</u>
Gross profit		12,856,487	12,528,785	8,646,367	7,064,677
Transportation income		1,453,474	1,348,630	1,423,617	1,184,514
Net foreign exchange gain		437,171	390,708	204,785	-
Investment income		70,890	60,416	69,553	76,245
Other income	25	<u>868,466</u>	<u>559,515</u>	<u>689,294</u>	<u>803,752</u>
Profit before expenses		15,686,488	14,888,054	11,033,616	9,129,188
Cost of distributions and transportations	26	<u>(3,749,878)</u>	<u>(3,346,691)</u>	<u>(3,414,732)</u>	<u>(2,884,102)</u>
Administrative expenses	27	<u>(2,012,696)</u>	<u>(2,047,289)</u>	<u>(1,233,758)</u>	<u>(1,166,689)</u>
Net foreign exchange loss		<u>-</u>	<u>-</u>	<u>-</u>	<u>(69,448)</u>
Total expenses		(5,762,574)	(5,393,980)	(4,648,490)	(4,120,239)
Profit from operating activities		9,923,914	9,494,074	6,385,126	5,008,949
Finance costs	30	<u>(1,934,590)</u>	<u>(2,061,541)</u>	<u>(1,890,541)</u>	<u>(1,887,727)</u>
Share of profit of subsidiaries accounted for using equity method	10	<u>-</u>	<u>-</u>	<u>2,471,275</u>	<u>2,922,175</u>
Share of profit of joint venture and associates accounted for using equity method	9	<u>21,280</u>	<u>24,703</u>	<u>21,386</u>	<u>24,703</u>
Profit before income tax expense		8,010,604	7,457,236	6,987,246	6,068,100
Tax income (expense)	31	<u>(165,828)</u>	<u>(539,277)</u>	<u>20,361</u>	<u>(397,566)</u>
Profit for the year		7,844,776	6,917,959	7,007,607	5,670,534

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of comprehensive income

	Note	Consolidated		Separate	
		financial statements		financial statements	
		Year ended 31 December		Year ended 31 December	
		2022	2021	2022	2021
<i>(in thousand Baht)</i>					
Other comprehensive income (expense)					
<i>Items that will be reclassified subsequently to profit or loss</i>					
Exchange differences on translating financial statements		(177)	353	-	-
Gain on measurement of financial assets	8, 35	3	2	-	-
Share of other comprehensive income (expense) of subsidiaries accounted for using equity method	10	-	-	(174)	355
Share of other comprehensive income (expense) of associates accounted for using equity method	9	(7,588)	12,735	(7,588)	12,735
Income tax relating to items that will be reclassified	31	-	-	-	-
Total items that will be reclassified subsequently to profit or loss		(7,762)	13,090	(7,762)	13,090
<i>Items that will not be reclassified to profit or loss</i>					
Gain (loss) on investments in equity instruments designated at fair value through other comprehensive income	8, 35	(50)	7	(50)	7
Gain on remeasurements of defined benefit plans	20	136,275	-	132,446	-
Share of other comprehensive income of subsidiaries accounted for using equity method	10	-	-	3,829	-
Income tax relating to items that will not be reclassified	31	(26,479)	(2)	(26,479)	(2)
Total items that will not be reclassified to profit or loss		109,746	5	109,746	5
Other comprehensive income (expense) for the year, net of tax		101,984	13,095	101,984	13,095
Total comprehensive income for the year		7,946,760	6,931,054	7,109,591	5,683,629
Profit (loss) attributable to:					
Owners of the parent		7,007,607	5,670,534	7,007,607	5,670,534
Non-controlling interests		837,169	1,247,425	-	-
Profit for the year		7,844,776	6,917,959	7,007,607	5,670,534
Total comprehensive income (expense) attributable to:					
Owners of the parent		7,109,591	5,683,629	7,109,591	5,683,629
Non-controlling interests		837,169	1,247,425	-	-
Total comprehensive income for the year		7,946,760	6,931,054	7,109,591	5,683,629
Basic earnings per share (in Baht)	33	0.370	0.297	0.370	0.297

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of changes in equity

Consolidated financial statements

	Note	Other surpluses		Retained earnings				Other components of equity					Equity attributable to owners of the parent	Non-controlling interests	Total equity	
		Issued and paid-up share capital	Share premium on ordinary share	Shareholding changes in Group	Share premium on treasury share	Legal reserve	Treasury shares reserve	Unappropriated	Treasury shares	Translation reserve	Fair value reserve	Share of other comprehensive income of associates using equity method				Total other components of equity
<i>(in thousand Baht)</i>																
Year ended 31 December 2021																
Balance at 1 January 2021		19,180,500	60,600	9,840,436	135,058	925,766	259,637	13,307,213	(259,637)	(176)	(88)	104,639	104,375	43,553,948	8,617,789	52,171,737
Transactions with owners, recorded directly in equity																
<i>Contributions by and distributions to owners</i>																
Reduction of ordinary shares	22	(54,000)	-	-	-	-	(63,843)	54,000	63,843	-	-	-	-	-	-	-
Treasury shares sold	22	-	-	-	85,478	-	(195,794)	195,794	195,794	-	-	-	-	281,272	-	281,272
Dividends	11, 34	-	-	-	-	-	-	(1,147,590)	-	-	-	-	-	(1,147,590)	(674,630)	(1,822,220)
Total transaction with owners, recorded directly in equity		(54,000)	-	-	85,478	-	(259,637)	(897,796)	259,637	-	-	-	-	(866,318)	(674,630)	(1,540,948)
Comprehensive income for the year																
Profit		-	-	-	-	-	-	5,670,534	-	-	-	-	-	5,670,534	1,247,425	6,917,959
Other comprehensive income		-	-	-	-	-	-	-	-	353	7	12,735	13,095	13,095	-	13,095
Total comprehensive income (expense) for the year		-	-	-	-	-	-	5,670,534	-	353	7	12,735	13,095	5,683,629	1,247,425	6,931,054
Transfer to legal reserve	23	-	-	-	-	283,526	-	(283,526)	-	-	-	-	-	-	-	-
Balance at 31 December 2021		19,126,500	60,600	9,840,436	220,536	1,209,292	-	17,796,425	-	177	(81)	117,374	117,470	48,371,259	9,190,584	57,561,843

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of changes in equity

Consolidated financial statements

Note	Other surpluses				Retained earnings				Other components of equity					Equity attributable to owners of the parent	Non-controlling interests	Total equity
	Issued and paid-up share capital	Share premium on ordinary share	Shareholding changes in Group	Share premium on treasury share	Legal reserve	Treasury shares reserve	Unappropriated	Treasury shares	Translation reserve	Fair value reserve	Share of other comprehensive income of associates using equity method	Total other components of equity				
Year ended 31 December 2022																
Balance at 1 January 2022	19,126,500	60,600	9,840,436	220,536	1,209,292	-	17,796,425	-	177	(81)	117,374	117,470	48,371,259	9,190,584	57,561,843	
Transactions with owners, recorded directly in equity																
<i>Contributions by and distributions to owners</i>																
Reduction of ordinary shares	22	(191,265)	-	-	-	-	(365,554)	191,265	365,554	-	-	-	-	-	-	
Treasury shares purchase	22	-	-	-	-	-	365,554	(365,554)	(365,554)	-	-	-	(365,554)	-	(365,554)	
Dividends	11, 34	-	-	-	-	-	(1,704,155)	-	-	-	-	-	(1,704,155)	(624,657)	(2,328,812)	
Total transaction with owners, recorded directly in equity		(191,265)	-	-	-	-	(1,878,444)	-	-	-	-	-	(2,069,709)	(624,657)	(2,694,366)	
Comprehensive income for the year																
Profit		-	-	-	-	-	7,007,607	-	-	-	-	-	7,007,607	837,169	7,844,776	
Other comprehensive income (expense)		-	-	-	-	-	109,786	-	(177)	(37)	(7,588)	(7,802)	101,984	-	101,984	
Total comprehensive income (expense) for the year		-	-	-	-	-	7,117,393	-	(177)	(37)	(7,588)	(7,802)	7,109,591	837,169	7,946,760	
Transfer to legal reserve	23	-	-	-	350,381	-	(350,381)	-	-	-	-	-	-	-	-	
Balance at 31 December 2022		18,935,235	60,600	9,840,436	220,536	1,559,673	22,684,993	-	-	(118)	109,786	109,668	53,411,141	9,403,096	62,814,237	

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of changes in equity

	Note	Other surplus		Separate financial statements				Other components of equity				Total equity	
		Issued and paid-up share capital	Share premium on ordinary share	Shareholding change in Group	Share premium on treasury share	Legal reserve	Treasury shares reserve (in thousand Baht)	Unappropriated	Treasury shares	Fair value reserve	Share of other comprehensive income of subsidiaries and associates using equity method		Total other components of equity
Year ended 31 December 2021													
Balance at 1 January 2021		19,180,500	60,600	9,840,436	135,058	925,766	259,637	13,307,213	(259,637)	(251)	104,626	104,375	43,553,948
Transaction with owners, recorded directly in equity													
<i>Contributions by and distributions to owners</i>													
Reduction of ordinary shares	22	(54,000)	-	-	-	-	(63,843)	54,000	63,843	-	-	-	-
Treasury shares sold	22	-	-	-	85,478	-	(195,794)	195,794	195,794	-	-	-	281,272
Dividends	34	-	-	-	-	-	-	(1,147,590)	-	-	-	-	(1,147,590)
Total transactions with owners, recorded directly in equity		(54,000)	-	-	85,478	-	(259,637)	(897,796)	259,637	-	-	-	(866,318)
Comprehensive income for the year													
Profit		-	-	-	-	-	-	5,670,534	-	-	-	-	5,670,534
Other comprehensive income		-	-	-	-	-	-	-	-	5	13,090	13,095	13,095
Total comprehensive income (expense) for the year		-	-	-	-	-	-	5,670,534	-	5	13,090	13,095	5,683,629
Transfer to legal reserve	23	-	-	-	-	283,526	-	(283,526)	-	-	-	-	-
Balance at 31 December 2021		19,126,500	60,600	9,840,436	220,536	1,209,292	-	17,796,425	-	(246)	117,716	117,470	48,371,259

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of changes in equity

	Note	Other surplus		Separate financial statements				Other components of equity				Total equity	
		Issued and paid-up share capital	Share premium on ordinary share	Shareholding change in Group	Share premium on treasury share	Legal reserve	Treasury shares reserve <i>(in thousand Baht)</i>	Unappropriated	Treasury shares	Fair value reserve	Share of other comprehensive income of subsidiaries and associates using equity method		Total other components of equity
Year ended 31 December 2022													
Balance at 1 January 2022		19,126,500	60,600	9,840,436	220,536	1,209,292	-	17,796,425	-	(246)	117,716	117,470	48,371,259
Transaction with owners, recorded directly in equity													
<i>Contributions by and distributions to owners</i>													
Reduction of ordinary shares	22	(191,265)	-	-	-	-	(365,554)	191,265	365,554	-	-	-	-
Treasury shares purchase	22	-	-	-	-	-	365,554	(365,554)	(365,554)	-	-	-	(365,554)
Dividends	34	-	-	-	-	-	-	(1,704,155)	-	-	-	-	(1,704,155)
Total transactions with owners, recorded directly in equity		(191,265)	-	-	-	-	-	(1,878,444)	-	-	-	-	(2,069,709)
Comprehensive income for the year													
Profit		-	-	-	-	-	-	7,007,607	-	-	-	-	7,007,607
Other comprehensive income (expense)		-	-	-	-	-	-	105,957	-	(40)	(3,933)	(3,973)	101,984
Total comprehensive income (expense) for the year		-	-	-	-	-	-	7,113,564	-	(40)	(3,933)	(3,973)	7,109,591
Transfer to legal reserve	23	-	-	-	-	350,381	-	(350,381)	-	-	-	-	-
Balance at 31 December 2022		18,935,235	60,600	9,840,436	220,536	1,559,673	-	22,681,164	-	(286)	113,783	113,497	53,411,141

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of cash flows

	Consolidated		Separate	
	financial statements		financial statements	
	Year ended 31 December		Year ended 31 December	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Cash flows from operating activities</i>				
Profit for the year	7,844,776	6,917,959	7,007,607	5,670,534
<i>Adjustments to reconcile profit (loss) to cash receipts (payments)</i>				
Depreciation and amortisation	3,292,473	3,097,646	2,012,833	1,845,933
Interest income	(52,782)	(51,019)	(34,107)	(42,024)
Finance costs	1,934,590	2,061,541	1,890,541	1,887,727
Dividend income	(9)	(9)	(9)	(9)
Unrealised loss on foreign exchange	606	16,923	16,854	3,153
(Reversal of) expected credit losses	(15,588)	(174)	868	-
Reversal of losses on decline in value of inventories	(16,915)	(10,777)	(6,129)	(2,314)
Provision for employees benefits	3,829	2,792	-	-
(Gain) loss on sale and write-off of plant and equipment	16,634	74,188	(53,795)	18,148
Reversal of cancellation of provision for decommissioning	(77,111)	-	-	-
(Gain) loss on fair value adjusted	-	(11,201)	-	34
Gain on disposal of investments in subsidiary	-	(1,300)	-	(1,300)
Share of profit of subsidiaries and associates				
accounted for using equity method	(21,386)	(24,703)	(2,492,661)	(2,946,878)
Share of loss of joint venture				
accounted for using equity method	106	-	-	-
Tax expense (income)	165,828	539,277	(20,361)	397,566
	<u>13,075,051</u>	<u>12,611,143</u>	<u>8,321,641</u>	<u>6,830,570</u>
<i>Changes in operating assets and liabilities</i>				
Trade accounts receivable	386,303	(1,282,780)	4,720,402	(2,418,164)
Other receivables	11,957	(137,989)	16,027	(37,906)
Receivable and advances to related parties	(35,061)	(34,649)	2,723	(215,823)
Inventories	(3,622,720)	(4,592,201)	(3,097,752)	(4,108,378)
Other current assets	(434,303)	(125,601)	(500,665)	(1,061)
Other non-current assets	(14,548)	(54,402)	(9,444)	(36,154)
Trade accounts payable	229,647	737,482	28,978	700,261
Other payables	673,274	477,170	(18,299)	539,133
Payable and advances from related parties	5,036	(31,758)	(712,179)	48,216
Other current liabilities	(23,949)	(317)	24,495	(6,594)
Provision for employee benefits	(83,374)	(71,570)	(76,880)	(37,508)
Other non-current liabilities	(16,597)	(6,705)	(7,917)	3,126
Net cash generated from operations	<u>10,150,716</u>	<u>7,487,823</u>	<u>8,691,130</u>	<u>1,259,718</u>
Net tax paid	<u>(158,327)</u>	<u>(216,901)</u>	<u>(22,346)</u>	<u>(3,080)</u>
Net cash from operating activities	<u>9,992,389</u>	<u>7,270,922</u>	<u>8,668,784</u>	<u>1,256,638</u>

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of cash flows

	Consolidated		Separate	
	financial statements		financial statements	
	Year ended 31 December		Year ended 31 December	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Cash flows from investing activities</i>				
Interest received	101,867	89,877	33,966	84,826
Dividend received	9	9	1,526,571	1,771,134
(Increase) decrease in equity and debt instruments	5,047,001	(3,020,996)	2,502,208	(799,889)
Proceeds from disposal of investments in subsidiary	-	1,300	-	1,300
Acquisition of property, plant and equipment	(6,794,668)	(6,069,539)	(3,064,591)	(2,653,011)
Acquisition of investment properties	-	(79,771)	-	-
Acquisition of intangible assets	(37,650)	(215,412)	(37,650)	(214,529)
Proceeds from sale of plant and equipment	8,163	5,556	637,120	2,081
Proceeds from sale of intangible asset	-	-	-	1,776
Advance payment for plant, machinery and equipment	(889,509)	(328,650)	(223,044)	(177,874)
Acquisition of subsidiary, net of cash acquired	-	-	(1,700,000)	-
Acquisition of interest in joint venture	(250,000)	-	-	-
Cash outflow on loans to related parties	-	-	-	(38,600)
Proceeds from repayment of loans to related parties	-	-	52,153	1,100
Cash outflow for decommissioning	(2,278)	(779)	-	-
Net cash used in investing activities	(2,817,065)	(9,618,405)	(273,267)	(2,021,686)

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

TPI Polene Public Company Limited and its Subsidiaries

Statement of cash flows

	Consolidated		Separate	
	financial statements		financial statements	
	Year ended 31 December		Year ended 31 December	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Cash flows from financing activities</i>				
Finance cost paid	(2,562,699)	(2,547,451)	(1,993,846)	(2,052,762)
Dividend paid to owners of the Company	(2,328,812)	(1,822,220)	(1,704,155)	(1,147,590)
Payment of lease liabilities	(182,439)	(180,044)	(117,807)	(127,979)
Increase in short-term loans from financial institutions	963,664	2,076,492	963,664	2,316,492
Proceeds from short-term loan from related parties	-	-	950,000	1,578,000
Repayment of short-term loans from related parties	-	-	(950,000)	(1,578,000)
Repayment of long-term loans from financial institutions	(1,000,000)	(1,988,625)	(1,000,000)	(1,988,625)
Proceeds from issue of debentures	15,909,000	22,950,400	11,314,000	16,000,000
Repayment of debentures	(12,567,000)	(17,393,000)	(8,567,000)	(13,393,000)
Proceeds from sale treasury shares	-	281,272	-	281,272
Payment of treasury shares	(365,554)	-	(365,554)	-
Net cash from (used in) financing activities	(2,133,840)	1,376,824	(1,470,698)	(112,192)
Net increase (decrease) in cash and cash equivalents, before effect of exchange rates	5,041,484	(970,659)	6,924,819	(877,240)
Effect of exchange rate changes	(38,900)	(18,612)	(38,918)	186
Net increase (decrease) in cash and cash equivalents	5,002,584	(989,271)	6,885,901	(877,054)
Cash and cash equivalents at 1 January	5,668,608	6,657,879	1,157,874	2,034,928
Cash and cash equivalents at 31 December	10,671,192	5,668,608	8,043,775	1,157,874
<i>Non-cash transactions</i>				
Advances of plant, machinery and equipment	656,659	240,381	126,237	108,361
Other payables - plant and equipment	679,726	250,149	157,916	185,912
Other non-current liabilities - intangible assets	69,813	77,730	69,813	77,730

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

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

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These notes form an integral part of the financial statements.

The financial statements issued for Thai statutory and regulatory reporting purposes are prepared in the Thai language. These English language financial statements have been prepared from the Thai language statutory financial statements, and were authorised for issue by the audit committee, as appointed by the Board of Directors of the Company, on 14 February 2023.

1 General information

TPI Polene Public Company Limited, the “Company”, is incorporated in Thailand and has its registered office at 26/56, TPI Tower, Chan Tat Mai Road, Tungmahamek, Sathorn, Bangkok.

The Company was listed on the Stock Exchange of Thailand in November 1990.

The Company operates in 3 major industries and has 18 distribution terminals around the country. It operates in the cement industry at Kang-Khoi, Saraburi and has 8 plants consisting of 4 cement manufacturing plants and 4 dry mortar manufacturing plants. It operates in the construction materials industry at Amphur Chalermprakiet, Saraburi and has cement roof tiles and fibre cement board manufacturing plants. It operates in the plastic industry at Amphur Muang, Rayong and has 2 LDPE and EVA plastic manufacturing plants. Details of the Company’s subsidiaries as at 31 December 2022 and 2021 are given in note 10.

2 Basis of preparation of the financial statements

The financial statements are prepared in accordance with Thai Financial Reporting Standards (“TFRS”), guidelines promulgated by the Federation of Accounting Professions and applicable rules and regulations of the Thai Securities and Exchange Commission. The financial statements are presented in Thai Baht, which is the Company’s functional currency. The accounting policies, described in note 3 have been applied consistently to all periods presented in these financial statements.

The preparation of financial statements in conformity with TFRS requires management to make judgements, estimates and assumptions that affect the application of the Group’s accounting policies. Actual results may differ from these estimates. Estimates and underlying assumptions that are described in each note are reviewed on an ongoing basis. Revisions to accounting estimates are recognised prospectively.

3 Significant accounting policies

(a) Basis of consolidation

The consolidated financial statements relate to the Company and its subsidiaries (together referred to as the “Group”) and the Group’s interests in associates and joint ventures.

Subsidiaries are entities controlled by the Group. The Group controls an entity when it is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. The financial statements of subsidiaries are included in the consolidated financial statements from the date on which control commences until the date on which control ceases.

When the Group loses control over a subsidiary, it derecognises the assets and liabilities, any related non-controlling interests and other components of equity of the subsidiary. Any resulting gain or loss is recognised in profit or loss. Any interest retained in the former subsidiary is measured at fair value when control is lost.

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Associates are those entities in which the Group has significant influence, but not control or joint control, over the financial and operating policies. A joint venture is an arrangement in which the Group has joint control, whereby the Group has rights to the net assets of the arrangement, rather than rights to its assets and obligations for its liabilities.

The Group recognised investments in associates and joint venture using the equity method in the consolidated financial statements in which the equity method is applied. They are initially recognised at cost, which includes transaction costs. Subsequent to initial recognition, the consolidated financial statements in which the equity method is applied include the Group's dividend income and share of the profit or loss and other comprehensive income of equity-accounted investees, until the date on which significant influence or joint control ceases.

If an investment in an associate becomes an investment in a joint venture or vice versa, the retained interest is not remeasured. Instead, the investment continues to be accounted for under the equity method. In all other cases, when the group ceases to have significant influence over an associate or joint control over a joint venture, it is accounted for as a disposal of the entire interest in that investee, with a resulting gain or loss being recognised in profit or loss. Any interest retained in that former investee at the date when significant influence or joint control is lost is recognised at fair value and this amount is regarded as the fair value on initial recognition of a financial asset.

Intra-group balances and transactions, and any unrealised income or expenses arising from intra-group transactions, are eliminated on consolidation. Unrealised gains arising from transactions with associates and joint ventures are eliminated against the investment to the extent of the Group's interest in the investee. Unrealised losses are eliminated in the same way as unrealised gains, but only to the extent that there is no evidence of impairment.

Business combinations

The Group applies the acquisition method when the Group assess that the acquired set of activities and assets include, at a minimum, an input and a substantive process that together significantly contribute to the ability to create output. The acquisition date is the date on which control is transferred to the Group, other than business combinations with entities under common control. Expenses in connection with a business combination are recognised as incurred.

The Group elect to apply a 'concentration test' that permits a simplified assessment of whether an acquired set of activities and assets is an assets rather than a business acquisition when substantially all of the fair value of the gross assets acquired is concentrated in a single identifiable asset or group of similar identifiable assets.

Goodwill is measured as the fair value of the consideration transferred including the recognised amount of any non-controlling interest in the acquiree, less net fair value of the identifiable assets acquired and liabilities assumed. Any gain on bargain purchase is recognised in profit or loss immediately.

Consideration transferred includes assets transferred, liabilities incurred by the Group to the previous owners of the acquiree, any contingent consideration and equity interests issued by the Group. If a business combination results in the termination of pre-existing relationships between the Group and the acquiree, then the lower of the termination amount, as contained in the agreement, and the value of the off-market element is deducted from the consideration transferred and recognised in other expenses.

Any contingent consideration is measured at fair value at the date of acquisition, and remeasured at fair value at each reporting date. Subsequent changes in the fair value are recognised in profit or loss.

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A contingent liability of the acquiree is assumed in a business combination only if such a liability represents a present obligation and arises from a past event, and its fair value can be measured reliably.

If the initial accounting for a business combination is incomplete by the end of the reporting period in which the combination occurs, the Group estimates provisional amounts for the items for which the accounting is incomplete. Those provisional amounts are adjusted during the measurement period, or additional assets or liabilities are recognised, to reflect new information obtained about facts and circumstances that existed at the acquisition date that, if known, would have affected the amounts recognised at that date.

(b) *Investments in subsidiaries, associates and joint ventures*

Investments in subsidiaries, associates and joint ventures in the separate financial statements of the Company are accounted for using the equity method.

Associates are those entities in which the Group has significant influence, but not control or joint control, over the financial and operating policies. A joint venture is an arrangement in which the Group has joint control, whereby the Group has rights to the net assets of the arrangement, rather than rights to its assets and obligations for its liabilities.

The Group recognised investments in associates and joint ventures using the equity method in the consolidated financial statements. They are initially recognised at cost, which includes transaction costs. Subsequent to initial recognition, the consolidated financial statements include the Group's dividend income and share of the profit or loss and other comprehensive income of equity-accounted investees, until the date on which significant influence or joint control ceases.

Disposal of investments in the separate financial statements

On disposal of an investment, the difference between net disposal proceeds and the carrying amount is recognised in profit or loss.

If the Company disposes of part of its holding of a particular investment, the deemed cost of the part sold is determined using the weighted average method applied to the carrying value of the total holding of the investment.

(c) *Foreign currencies*

Transactions in foreign currencies are translated to the respective functional currencies at exchange rates at the dates of the transactions. Monetary assets and liabilities denominated in foreign currencies are translated at the exchange rate at the reporting date.

Foreign currency differences are generally recognised in profit or loss. However, foreign currency differences arising from the translation of the following items are recognised in other comprehensive income:

- an investment in equity securities designated as at FVOCI (except on impairment, in which case foreign currency differences that have been recognised in other comprehensive income are reclassified to profit or loss);

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
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Foreign operations

The assets and liabilities of foreign operations, including goodwill and fair value adjustments arising on acquisition, are translated to Thai Baht at the exchange rates at the reporting date. The revenues and expenses of foreign operations are translated to Thai Baht at rates approximating the exchange rates at the dates of the transactions.

Foreign exchange differences are recognised in other comprehensive income and accumulated in the translation reserve until disposal of the investment, except to the extent that the translation difference is allocated to non-controlling interests.

When a foreign operation is disposed of in its entirety or partially such that control, significant influence or joint control is lost, the cumulative amount in the translation reserve related to that foreign operation is reclassified to profit or loss as part of the gain or loss on disposal. If the Group disposes of part of its interest in a subsidiary but retains control, then the relevant proportion of the cumulative amount is reattributed to non-controlling interests. When the Group disposes of only part of an associate or joint venture while retaining significant influence or joint control, the relevant proportion of the cumulative amount is reclassified to profit or loss.

(d) Financial instruments

(d.1) Classification and measurement

Debt securities issued by the Group are initially recognised when they are originated. Other financial assets and financial liabilities (except trade accounts receivables (see note 3(f))) are initially recognised when the Group becomes a party to the contractual provisions of the instrument, and measured at fair value plus or minus, for an item not at fair value through profit or loss (FVTPL), transaction costs that are directly attributable to its acquisition or issue.

On initial recognition, a financial asset is classified as measured at: amortised cost; fair value through other comprehensive income (FVOCI); or FVTPL. Financial assets are not reclassified subsequent to their initial recognition unless the Group changes its business model for managing financial assets, in which case all affected financial assets are reclassified prospectively from the reclassification date.

On initial recognition, financial liabilities are classified as measured at amortised cost using the effective interest method. Interest expense, foreign exchange gains and losses and any gain or loss on derecognition are recognised in profit or loss.

Financial assets measured at amortised costs are subsequently measured at amortised cost using the effective interest method. The amortised cost is reduced by expected credit losses. Interest income, foreign exchange gains and losses, expected credit loss and any gain or loss on derecognition are recognised in profit or loss.

Debt investments measured at FVOCI are subsequently measured at fair value. Interest income, calculated using the effective interest method, foreign exchange gains and losses and expected credit loss are recognised in profit or loss. Other net gains and losses are recognised in OCI. On derecognition, gains and losses accumulated in OCI are reclassified to profit or loss.

Equity investments measured at FVOCI are subsequently measured at fair value. Dividend income is recognised as income in profit or loss on the date on which the Group's right to receive payment is established, unless the dividend clearly represents a recovery of part of the cost of the investment. Other net gains and losses are recognised in OCI and are never reclassified to profit or loss.

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(d.2) Derecognition and offset

The Group derecognises a financial asset when the contractual rights to receive the cash flows from the financial asset expire, or it transfers the rights to receive the contractual cash flows in a transaction in which substantially all of the risks and rewards of ownership of the financial asset are transferred or in which the Group neither transfers nor retains substantially all of the risks and rewards of ownership and it does not retain control of the financial asset.

The Group derecognises a financial liability when its contractual obligations are discharged or cancelled, or expire. The Group also derecognises a financial liability when its terms are modified and the cash flows of the modified liability are substantially different, in which case a new financial liability based on the modified terms is recognised at fair value.

The difference between the carrying amount extinguished and the consideration received or paid is recognised in profit or loss.

Financial assets and financial liabilities are offset and the net amount presented in the statement of financial position when, and only when, the Group currently has a legally enforceable right to set off the amounts and the Group intends either to settle them on a net basis or to realise the asset and settle the liability simultaneously.

(d.3) Write offs

The gross carrying amount of a financial asset is written off when the Group has no reasonable expectations of recovering. Subsequent recoveries of an asset that was previously written off, are recognised as a reversal of impairment in profit or loss in the period in which the recovery occurs.

(d.4) Interest

Interest income and expense is recognised in profit or loss using the effective interest method. In calculating interest income and expense, the effective interest rate is applied to the gross carrying amount of the asset (when the asset is not credit-impaired) or to the amortised cost of the liability. However, for financial assets that have become credit-impaired subsequent to initial recognition, interest income is calculated by applying the effective interest rate to the amortised cost of the financial asset. If the asset is no longer credit-impaired, then the calculation of interest income reverts to the gross basis.

(e) Cash and cash equivalents

Cash and cash equivalents comprise cash balances, call deposits and highly liquid short-term investments which have maturities of three months or less from the date of acquisition. Bank overdrafts that are repayable on demand are a component of cash and cash equivalents for the purpose of the statement of cash flows.

(f) Trade accounts receivable

A trade receivable is recognised when the Group has an unconditional right to receive consideration. A trade receivable is measured at transaction price less allowance for expected credit loss. Bad debts are written off when incurred.

TPI Polene Public Company Limited and its Subsidiaries
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For the year ended 31 December 2022

The Group estimates lifetime expected credit losses (ECLs), using a provision matrix to find the ECLs rates. This method groups the debtors based on shared credit risk characteristics and past due status, taking into account historical credit loss data, adjusted for factors that are specific to the debtors and an assessment of both current economic conditions and forward-looking general economic conditions at the reporting date.

(g) Inventories

Inventories are measured at the lower of cost and net realisable value. Cost of finished goods, diesel and natural gas, is calculated using the first in first out principle. Cost of other inventories are calculated using the weighted average cost principle. Cost includes direct costs incurred in acquiring the inventories. In the case of manufactured inventories and work-in-progress, cost includes an appropriate share of production overheads based on normal operating capacity. Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs to complete and to make the sale.

A right to recover returned products is recognised when the products are expected to be returned by customers and measured by reference to the former carrying amount of the sold inventories less any expected costs to recover those products.

(h) Non-current assets classified as held for sale

Non-current assets are classified as held for sale if it is highly probable that they will be recovered primarily through sale rather than through continuing use. Such assets are measured at the lower of their carrying amount and fair value less cost to sell. Impairment losses on initial classification as held for sale and subsequent gains and losses on remeasurement are recognised in profit or loss.

Once classified as held for sale, intangible assets, plant and equipment are no longer amortised or depreciated, and any equity-accounted investee is no longer equity accounted.

(i) Investment properties

Investment properties are measured at cost less accumulated depreciation and impairment losses. Cost includes expenditure that is directly attributable to the acquisition of the investment property. The cost of self-constructed assets includes capitalised borrowing costs.

Depreciation is calculated on a straight-line basis over the estimated useful lives of buildings of 20 years and recognised in profit or loss. No depreciation is charged on freehold land and assets under construction.

Differences between the proceeds from disposal and the carrying amount of investment property are recognised in profit or loss.

(j) Property, plant and equipment

Property, plant and equipment are measured at cost less accumulated depreciation and impairment losses.

Cost includes expenditure that is directly attributable to the acquisition of the asset. The cost of self-constructed assets includes capitalised borrowing costs, and the costs of dismantling and removing the items and restoring the site on which they are located. Purchased software that is integral to the functionality of the related equipment is capitalised as part of that equipment.

Differences between the proceeds from disposal and the carrying amount of property, plant and equipment are recognised in profit or loss.

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For the year ended 31 December 2022

Subsequent costs

The cost of replacing a part of an item of property, plant and equipment is recognised in the carrying amount of the item when the future economic benefits embodied within the part will flow to the Group, and its cost can be measured reliably. The carrying amount of the replaced part is derecognised. The costs of the day-to-day servicing of property, plant and equipment are recognised in profit or loss as incurred.

Depreciation

Depreciation is calculated on a straight-line basis over the estimated useful lives of each component of an asset or on unit of production method of relevant assets and recognised in profit or loss. No depreciation is provided on freehold land, assets under construction and major spare parts have not been issued.

The estimated useful lives are as follows:

Land improvement	5 - 10 years
Leasehold improvement	8 - 10 years
Buildings and structures	10 - 40 years and per lease period
Machinery and equipment for production (concrete)	3 - 10 years
Other machinery and equipment for production	5 - 40 years
Tools and factory equipment	3 - 30 years
Furniture, fixtures and office equipment	3, 5 and 10 years
Vehicles	5 - 25 years

Machinery and equipment for production of construction materials, cement roof tiles and fibre cement board, LDPE and EVA and machine for melt sheets calculate depreciation based on units of production.

(k) Intangible assets

Concession

Cost of concessions on mining limestone and shale are include acquisition, exploration and development costs and are measured at cost less accumulated amortisation and accumulated impairment losses.

Research and development

Development expenditure is capitalised only if development costs can be measured reliably, the product or process is technically and commercially feasible, future economic benefits are probable, and the Group intends to and has sufficient resources to complete development and to use or sell the asset. Other development expenditure and expenditure on research activities are recognised in profit or loss as incurred.

Capitalised development expenditure is measured at cost less accumulated amortisation and impairment losses. The expenditure cost includes the cost of materials, direct labour, overhead costs that are directly attributable to preparing the asset for its intended use, and borrowing costs.

Other intangible assets

Other intangible assets that have indefinite useful lives are measured at cost less impairment losses. Other intangible assets are measured at cost less accumulated amortisation and impairment losses. Subsequent expenditure is capitalised only when it will generate the future economic benefits.

TPI Polene Public Company Limited and its Subsidiaries
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Amortisation is calculated on a straight-line basis over the estimated useful lives of intangible assets and recognised in profit or loss.

The estimated useful lives are as follows:

Cost of raw material resources and cost of concessions	Life of concessions :	25 - 30	years
Software licenses		12	years
Capitalised development costs		12	years

(l) Leases

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

As a lessee

At commencement or on modification of a contract, the Group allocates the consideration in the contract to each lease component on the basis of its relative stand-alone prices of each component. For the leases of property, the Group has elected not to separate non-lease components and accounted for the lease and non-lease components wholly as a single lease component.

The Group recognises a right-of-use asset and a lease liability at the lease commencement date, except for leases of low-value assets and short-term leases which are recognised as expenses on a straight-line basis over the respective lease terms.

Right-of-use asset is measured at cost, less any accumulated depreciation and impairment loss, and adjusted for any remeasurements of lease liability. The cost of right-of-use asset includes the initial amount of the lease liability adjusted for any prepaid lease payments, plus any initial direct costs incurred and an estimate of restoration costs, less any lease incentives received. Depreciation is charged to profit or loss on a straight-line method from the commencement date to the end of the lease term, unless the lease transfers ownership of the underlying asset to the Group by the end of the lease term or the Group will exercise a purchase option. In that case the right-of-use asset will be depreciated over the useful life of the underlying asset, which is determined on the same basis as those of property and equipment.

The lease liability is initially measured at the present value of all lease payments that shall be paid under the lease. The Group uses the Group's incremental borrowing rate to discount the lease payments to the present value. The Group determines its incremental borrowing rate by obtaining interest rates from various external financing sources and makes certain adjustments to reflect the terms of the lease and type of the asset leased.

The lease liability is measured at amortised cost using the effective interest method. It is remeasured when there is a lease modification, or a change in the assessment of options specified in the lease. When the lease liability is remeasured, a corresponding adjustment is made to the carrying amount of the right-of-use asset or is recorded in profit or loss if the carrying amount of the right-of-use asset has been reduced to zero.

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As a lessor

At inception or on modification of a contract, the Group allocates the consideration in the contract to each component on the basis of their relative standalone selling prices.

At lease inception, the Group considers to classify a lease that transfers substantially all of the risks and rewards incidental to ownership of the underlying asset to lessees as a finance lease. A lease that does not meet this criteria is classified as an operating lease.

The Group recognises lease payments received under operating leases in profit or loss on a straight-line basis over the lease term as part of other income. Initial direct costs incurred in arranging an operating lease are added to the carrying amount of the leased asset and recognised over the lease term on the same basis as rental income. Contingent rents are recognised as other income in the accounting period in which they are earned.

(m) Impairment of non-financial asset

The carrying amounts of the Group's assets are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists, the assets' recoverable amounts are estimated. For goodwill and intangible assets that have indefinite useful lives or are not yet available for use, the recoverable amount is estimated each year at the same time.

An impairment loss is recognised in profit or loss if the carrying amount of an asset or its cash-generating unit exceeds its recoverable amount, unless it reverses a previous revaluation credited to equity, in which case it is charged to equity.

The recoverable amount is the greater of the asset's value in use and fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. For an asset that does not generate cash inflows largely independent of those from other assets, the recoverable amount is determined for the cash-generating unit to which the asset belongs.

An impairment loss of asset recognised in prior periods is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

(n) Employee benefits

Defined contribution plans

Obligations for contributions to the Group's provident funds are expensed as the related service is provided.

Defined benefit plans

The Group's net obligation in respect of defined benefit plans is calculated by estimating the amount of future benefit that employees have earned in the current and prior periods. The defined benefit obligations is discounted to the present value, which performed annually by a qualified actuary using the projected unit credit method.

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Remeasurements of the net defined benefit liability, actuarial gain or loss are recognised immediately in OCI. The Group determines the interest expense on the net defined benefit liability for the period by applying the discount rate used to measure the defined benefit obligation at the beginning of the annual period, taking into account any changes in the net defined benefit liability during the period as a result of contributions and benefit payments. Net interest expense and other expenses related to defined benefit plans are recognised in profit or loss.

When the benefits of a plan are changed or when a plan is curtailed, the resulting change in benefit that relates to past service or the gain or loss on curtailment is recognised immediately in profit or loss. The Group recognises gains and losses on the settlement of a defined benefit plan when the settlement occurs.

Termination benefits are expensed at the earlier of when the Group can no longer withdraw the offer of those benefits and when the Group recognizes costs for a restructuring. If benefits are not expected to be settled wholly within 12 months of the end of the reporting period, then they are discounted.

Short-term employee benefits are expensed as the related service is provided. A liability is recognised for the amount expected to be paid if the Group has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

(o) Provisions

A provision is recognised if, as a result of a past event, the Group has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the liability. The unwinding of the discount is recognised as a finance cost.

(p) Fair values 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 market participants at the measurement date in the principal or, in its absence, the most advantageous market to which the Group has access at that date. The fair value of a liability reflects its non-performance risk.

When measuring the fair value of an asset or a liability, the Group uses observable market data as far as possible. Fair values are categorised into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows:

- Level 1: quoted prices in active markets for identical assets or liabilities.
- Level 2: inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly or indirectly.
- Level 3: inputs for the asset or liability that are based on unobservable input.

The Group recognises transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

If an asset or a liability measured at fair value has a bid price and an ask price, then the Group measures assets and asset positions at a bid price and liabilities and liability positions at an ask price.

The best evidence of the fair value of a financial instrument on initial recognition is normally the transaction price - i.e. the fair value of the consideration given or received.

TPI Polene Public Company Limited and its Subsidiaries
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(q) Treasury shares

When share capital recognised as equity is repurchased, the amount of consideration paid, including directly attributable costs, is classified as treasury shares and recognised as a deduction from equity. An equal amount is appropriated from retained earnings and taken to a reserve for treasury shares within equity. When treasury shares are sold, the amount received is recognised as an increase in equity by crediting the cost of the treasury shares sold, calculated using the weighted average method, to the treasury shares account and transferring the equivalent amount back from reserve for treasury shares to retained earnings. Surpluses on the sale of treasury shares are taken directly to a separate category within equity, 'Share premium on treasury shares'. Net deficits on sale or cancellation of treasury shares are debited to retained earnings after setting off against any remaining balance of surplus on treasury shares.

(r) Revenue from contracts with customers

Revenue recognition

Revenue is recognised when a customer obtains control of the goods or services in an amount that reflects the consideration to which the Group expects to be entitled, excluding those amounts collected on behalf of third parties, value added tax and is after deduction of any trade discounts and volume rebates.

Revenue from sales of goods is recognised on the date on which the goods are delivered to the customers. For the sales that permit the customers to return the goods, the Group estimates the returns based on the historical return data, does not recognise revenue and cost of sale for the estimated products to be returned.

Revenue for rendering of services is recognised over time as the services are provided. The stage of completion is assessed based on surveys of work performed. The related costs are recognised in profit or loss when they are incurred.

For bundled packages, the Group recognises revenue from sales of products and rendering of services separately if a product or service is separately identifiable from other items and a customer can benefit from it or the multiple services are rendered in different reporting periods. The consideration received is allocated based on their relative stand-alone selling prices.

Long-term advances received from customers

Long-term advances received from customers is recognised as revenue when the Group transferred control over the goods to the customers. For the advances that contain a significant financing component, they include the interest expense accreted on the contract liability under the effective interest method. The Group uses practical expedient which is not adjust the consideration for any effects of a significant financing component for the contract for which the period is 12 months or less.

Customer loyalty programme

For customer loyalty programmes that the Group offers to customers, the consideration received is allocated based on the relative stand-alone selling price of the products and the loyalty points. The amount allocated to the loyalty points is recognised as contract liabilities and revenue is recognised when loyalty points are redeemed or the likelihood of the customer redeeming the loyalty points becomes remote. The stand-alone selling prices of the points is estimated based on the discount provided to customers and the likelihood that the customers will redeem the points. The estimate is reviewed at the end of the reporting period.

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(s) *Income tax*

Income tax expense for the year comprises current and deferred tax, which is recognised in profit or loss except to the extent that it relates to a business combination, or items recognised directly in equity or in other comprehensive income.

Current tax is recognised in respect of the taxable income or loss for the year, using tax rates enacted or substantively enacted at the reporting date, and any adjustment to tax payable in respect of previous years.

Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Deferred tax is not recognised for the temporary differences: the initial recognition of goodwill; the initial recognition of assets or liabilities in a transaction that is not a business combination and that affects neither accounting nor taxable profit or loss; and differences relating to investments in subsidiaries and joint ventures to the extent that it is probable that they will not reverse in the foreseeable future.

The measurement of deferred tax reflects the tax consequences that would follow the manner in which the Group expects, at the end of the reporting period, to recover or settle the carrying amount of its assets and liabilities, using tax rates enacted or substantively enacted at the reporting date. Current deferred tax assets and liabilities are offset in the separate financial statements.

A deferred tax asset is recognised to the extent that it is probable that future taxable profits will be available against which the temporary differences can be utilised. Deferred tax assets are reviewed at each reporting date and reduced to the extent that it is no longer probable that the related tax benefit will be realised.

(t) *Earnings per share*

Basic earnings per share is calculated by dividing the profit or loss attributable to ordinary shareholders of the Company by the weighted average number of ordinary shares outstanding during the period, adjusted for own shares held.

(u) *Related parties*

A related party is a person or entity that has direct or indirect control or joint control, or has significant influence over the financial and managerial decision-making of the Group; a person or entity that is under common control or under the same significant influence as the Group; or a person or entity over which the Group has direct or indirect control or joint control or has significant influence over the financial and managerial decision-making.

(v) *Segment reporting*

Segment results that are reported to the Group's the chief operating decision maker include items directly attributable to a segment as well as those that can be allocated on a reasonable basis. Unallocated items comprise mainly insert unallocated items, e.g. corporate assets.

TPI Polene Public Company Limited and its Subsidiaries
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4 Related parties

Relationships with subsidiaries, associates and joint venture are described in notes 9 and 10. Other related parties that the Group had significant transactions with during the year were as follows:

Name of entities	Country of incorporation	Nature of relationships
Key management personnel	Thailand	Persons having authority and responsibility for planning, directing and controlling the activities of the entity, directly or indirectly, including any director (whether executive or otherwise) of the Group.
Pornchai Enterprise Co., Ltd.	Thailand	Co-director
TPI Holding Co., Ltd.	Thailand	Co-director
Leophairatana Enterprise Co., Ltd.	Thailand	Co-director
Bangkok Union Insurance Public Co., Ltd.	Thailand	Co-director
Lampang Food Products Co., Ltd.	Thailand	Co-director
Hong Yiah Seng Co., Ltd.	Thailand	Co-director
Saraburi Ginning Mill Co., Ltd.	Thailand	Co-director
Thai Petrochemical Industry Co., Ltd.	Thailand	Co-director
Rayong Forest Co., Ltd.	Thailand	Co-director
Hong Yiah Seng Real Estates and Investment Co., Ltd.	Thailand	Co-director
TPI EOEG Co., Ltd.	Thailand	Co-director
E&T Renewable Energy Co., Ltd.	Thailand	Co-director

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
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<i>Significant transactions with related parties</i>	Consolidated		Separate	
	financial statements	financial statements	financial statements	financial statements
<i>Year ended 31 December</i>	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Subsidiaries				
Sales of goods	-	-	10,534,733	16,269,875
Transportation income	-	-	192,518	186,344
Purchase of raw materials and spare parts	-	-	553,417	347,880
Purchase of electricity	-	-	1,568,251	1,638,787
Purchase of steam	-	-	34,974	34,006
Purchase of goods for sales promotion	-	-	115,104	102,822
Dividend income	-	-	1,526,562	1,771,125
Interest income	-	-	14,967	27,879
Interest expense	-	-	4,589	2,749
Other income	-	-	434,567	680,197
Administrative expenses	-	-	32,351	29,583
Associates				
Sale of goods	4,501	1,920	4,197	1,786
Purchase of raw materials	566,349	534,603	529,358	509,655
Interest expense	3,564	6,255	182	75
Other income	-	5	-	5
Insurance premium	17,527	26,807	13,584	19,291
Joint Venture				
Other income	15	-	15	-
Other related parties				
Sales of goods	1,789	2,521	260	327
Transportation income	76	75	4	1
Interest expense	7,028	4,558	4,705	2,685
Other income	303	300	300	300
Insurance premium	284,022	242,994	129,995	116,346
Administrative expenses	61,993	62,088	57,186	58,213
Key management personnel				
Key management personnel compensation				
Short-term employee benefits	411,429	330,539	310,723	239,555
Post-employment benefits	4,001	4,501	-	-
Total key management personnel compensation	415,430	335,040	310,723	239,555

TPI Polene Public Company Limited and its Subsidiaries
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<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Trade accounts receivable				
Subsidiaries				
TPI Concrete Co., Ltd.	-	-	219,228	1,524,103
TPI Polene Power Public Co., Ltd.	-	-	385,558	122,773
TPI All Seasons Co., Ltd.	-	-	319,237	444,953
Polene Silicon Co., Ltd. (Formerly: Polene Plastic Co., Ltd.)	-	-	157,605	5,601,944
TPI Polene Bio Organics Co., Ltd.	-	-	10,426	12,953
TPI Commercial Co., Ltd.	-	-	4,364	5,459
Thai Nitrate Co., Ltd.	-	-	95	38
Associates				
BUI Life Insurance Public Co., Ltd.	-	7	-	-
United Grain Industry Co., Ltd.	217	117	36	37
Other related parties				
Bangkok Union Insurance Public Co., Ltd.	37	17	4	4
Pornchai Enterprise Co., Ltd.	164	165	11	23
Lampang Food Products Co., Ltd.	9	9	9	9
Rayong Forest Co., Ltd.	410	455	-	-
Hong Yiah Seng Co., Ltd.	76	-	-	-
	913	770	1,096,573	7,712,296
<i>Less allowance for expected credit loss</i>	-	-	-	-
Net	913	770	1,096,573	7,712,296

	Interest rate		Separate financial statements			
	Year ended		1		31	
	2021	2022	January	Increase	Decrease	December
	31 December		January			December
	2021		2022			2022
	<i>(% per annum)</i>					
	<i>(in thousand Baht)</i>					
Short-term loans to related parties						
Subsidiaries						
TPI Polene Bio Organics Co., Ltd.	MLR - 1.5	MLR - 1.5	253,096	-	(2,000)	251,096
TPI All Seasons Co., Ltd.	MLR - 1.5	-	44,153	-	(44,153)	-
TPI Commercial Co., Ltd.	MLR - 1.5	MLR - 1.5	97,993	-	(4,000)	93,993
Master Achieve (Thailand) Co., Ltd.	MLR - 1.5	MLR - 1.5	20,790	-	(1,000)	19,790
TPI Healthcare Co., Ltd.	MLR - 1.5	-	1,000	-	(1,000)	-
			417,032	-	(52,153)	364,879
Accrued interest receivable			1,348	14,572	(14,530)	1,390
Total			418,380	14,572	(66,683)	366,269
<i>Less allowance for expected credit loss</i>			-			-
Net			418,380			366,269

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Notes to the financial statements
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<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Receivables and advances to related parties - current				
Subsidiaries				
TPI Concrete Co., Ltd.	-	-	973	3,019
TPI Polene Power Public Co., Ltd.	-	-	197,435	74,970
TPI All Seasons Co., Ltd.	-	-	13,473	16,508
Polene Silicon Co., Ltd.	-	-	72,062	200,014
TPI Polene Bio Organics Co., Ltd.	-	-	110,757	98,994
TPI Commercial Co., Ltd.	-	-	256	66
TPI Service Co., Ltd.	-	-	76	139
Thai Nitrate Co., Ltd.	-	-	186	180
TPI Polene Power (International) Co., Ltd.	-	-	65	65
TPI Biomass Power Co., Ltd. (Formerly: TPI Polene Power (On Nut) Co., Ltd.)	-	-	-	65
Thai Propoxide Co., Ltd.	-	-	64	65
TPI Healthcare Co., Ltd.	-	-	28,093	36,319
TPI Bio Pharmaceuticals Co., Ltd.	-	-	121	75
Master Achieve (Thailand) Co., Ltd.	-	-	1,876	293
TPI Polene Power Investment Co., Ltd.	-	-	-	34
TPI Distribution Center Co., Ltd. (Formerly: TPI Olefins Co., Ltd.)	-	-	1	1
TPI Solar Power Co., Ltd.	-	-	1	-
TPI Wind Power Co., Ltd.	-	-	1	-
Associates				
BUI Life Insurance Public Co., Ltd.	5,317	5,415	4,581	4,642
United Grain Industry Co., Ltd.	8	8	8	8
Joint Venture				
E&T Renewable Energy Co., Ltd.	164	-	16	-
Other related parties				
Bangkok Union Insurance Public Co., Ltd.	123,875	86,615	37,933	35,173
Pornchai Enterprise Co., Ltd.	521	2,718	65	68
Rayong Forest Co., Ltd.	65	67	65	67
TPI EOEG Co., Ltd.	-	1	-	1
Thai Petrochemical Industry Co., Ltd.	-	65	-	65
Total	129,950	94,889	468,108	470,831
<i>Less allowance for expected credit loss</i>	-	-	-	-
Net	129,950	94,889	468,108	470,831

<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Long-term investments in related parties				
Related parties				
Pornchai Enterprise Co., Ltd.	45,653	45,653	45,653	45,653

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<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Receivables and advances to related parties - non-current</i>				
Subsidiary				
Thai Propoxide Co., Ltd.	-	-	421,984	421,984
Less losses recognised using the equity method in excess of the investment	-	-	(909)	(869)
Net	<u>-</u>	<u>-</u>	<u>421,075</u>	<u>421,115</u>

In 1997, the Company entered into an agreement to sell land to Thai Propoxide Co., Ltd. (a subsidiary) at the price of Baht 477 million, in consideration for a loan payable by August 2000, with interest of 16%. No payments of principal or interest were subsequently made by the subsidiary and consequently the Company deferred recording the gain on the sale land of Baht 40 million and interest income of Baht 155 million in income and ceased accrued interest. The deferred gain and interest income are disclosed as non-current liabilities in the statement of financial position of the separate financial statements.

The subsidiary used the land as collateral for a bank loan, the proceeds of which were subsequently loaned to the Company. In 2000, the subsidiary's bank loan was assigned to the Company. Subsequently, in 2011, the land has been released by the bank as collateral and the subsidiary has sold a part of land to the Company and repaid a part of the land loan to the Company of Baht 68 million.

At 31 December 2022, the outstanding amount of accounts receivable from the subsidiary from the sale of land total Baht 422 million (2021: Baht 422 million) and the deferred gain on the sale of Baht 35 million (2021: Baht 35 million) and deferred interest income of Baht 134 million (2021: Baht 134 million) in the statement of financial position of the separate financial statements.

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<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Payables and advances from related parties				
Subsidiaries				
TPI Concrete Co., Ltd.	-	-	1,630	1,944
TPI Polene Power Public Co., Ltd.	-	-	244,179	966,211
TPI All Seasons Co., Ltd.	-	-	2,140	2,000
Polene Silicon Co., Ltd.	-	-	-	12
TPI Polene Bio Organics Co., Ltd.	-	-	6,170	5,084
TPI Healthcare Co., Ltd.	-	-	4,099	4,020
TPI Bio Pharmaceuticals Co., Ltd.	-	-	1,187	983
Master Achieve (Thailand) Co., Ltd.	-	-	1,987	-
Associates				
BUI Life Insurance Public Co., Ltd.	97	164	97	164
United Grain Industry Co., Ltd.	10	2,335	-	4
Thai Plastic Film Co., Ltd.	1,944	732	1,821	732
Other related parties				
Pornchai Enterprise Co., Ltd.	9,757	1,145	8,245	443
Bangkok Union Insurance Public Co., Ltd.	105	2,998	77	2,711
Hong Yiah Seng Co., Ltd.	629	109	629	109
Rayong Forest Co., Ltd.	7	30	7	30
Total	12,549	7,513	272,268	984,447

<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Current portion of lease liabilities				
Subsidiaries				
TPI Concrete Co., Ltd.	-	-	5,086	-
TPI Polene Bio Organics Co., Ltd.	-	-	3,165	-
Mondo Thai Co., Ltd.	-	-	230	151
Thai Nitrate Co., Ltd.	-	-	771	-
Associates				
United Grain Industry Co., Ltd.	11,903	6,612	3,741	1,449
Other related parties				
Pornchai Enterprise Co., Ltd.	36,591	35,233	30,747	31,294
Hong Yiah Seng Co., Ltd.	3,069	2,810	2,095	2,015
Rayong Forest Co., Ltd.	24	23	24	23
Saraburi Ginning Mill Co., Ltd.	1,678	2,144	459	972
Leophairatana Enterprise Co., Ltd.	4,180	4,204	-	-
Hong Yiah Seng Real Estates and Investment Co., Ltd.	1,219	1,173	-	-
Total	58,664	52,199	46,318	35,904

TPI Polene Public Company Limited and its Subsidiaries
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<i>Balances with related parties</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Lease liabilities				
Subsidiaries				
TPI Concrete Co., Ltd.	-	-	5,288	-
TPI Polene Bio Organics Co., Ltd.	-	-	3,290	-
Mondo Thai Co., Ltd.	-	-	14,648	14,878
Associates				
United Grain Industry Co., Ltd.	107,147	153,723	3,052	2,281
Other related parties				
Pornchai Enterprise Co., Ltd.	36,262	33,440	28,522	26,297
Hong Yiah Seng Co., Ltd.	2,351	2,631	537	2,631
Rayong Forest Co., Ltd.	961	985	961	985
Saraburi Ginning Mill Co., Ltd.	1,920	3,599	-	459
Leophairatana Enterprise Co., Ltd.	6,013	9,811	-	-
Hong Yiah Seng Real Estates and Investment Co., Ltd.	1,920	3,139	-	-
Total	156,574	207,328	56,298	47,531

Significant agreements with related parties

(a) Office building lease agreements

The Company and its subsidiary have long-term office building lease agreements with a related company. Previously, the initial lease term for each lease agreement was for 3 years, with the lease being renewable. In July 1999, the Company and a subsidiary entered into a 90 years office building lease agreement with a related company to replace the expired original office building lease agreements in which the Company and a subsidiary made one payment for the whole lease period (*the total rental for the 90 years term of the lease is Baht 40,000 per square meter, equivalent to a monthly rental, before discounting cash flows, of Baht 37 per square meter*). The annual rental is deducted from the prepaid rentals. Subsequently, on 24 July 2001, the Company and its subsidiary agreed to sign the amendments in addition to the existing office building lease agreements with a related company. The initial period of the lease is for 30 years, commencing from the original date on which the rentals of each respective agreement were prepaid. The related party warranted that the lease would be renewable for another 2 subsequent periods of 30 years under the same conditions, including rental fee as set out in the original agreements.

On 25 August 2006, the Company and its subsidiary registered the lease with the Land Department.

Should either party terminate the lease agreement, the unused prepaid rentals are refundable to the Companies. Both parties agreed in principle to execute a mortgage on the office building as security for the unused prepaid rentals. As at 31 December 2022, there was no mortgage agreement as security for the unused prepaid rentals, so the recoverability of prepaid rentals depends on the ability of the related company to repay.

(b) Electricity supply agreement

The Company entered into an electricity supply contract with a subsidiary company, to provide the waste heat to the subsidiary that will be used in the manufacturing process for electricity. The subsidiary company shall supply the electricity to the Company based on certain percentage as specified in the agreement. The agreement shall remain in full force and effect so long as, unless it is terminated by mutual agreement in writing of both parties.

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(c) Office building services agreements

The Company and its subsidiaries entered into office building services agreements with related parties for 3 years. The details were as follows:

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Non-cancellable service contract commitments				
Within one year	50,058	32,231	41,316	26,738
After one year but within five years	43,563	27,086	39,436	20,891
Total	93,621	59,317	80,752	47,629

The subsidiary had made several land rental agreements with its related parties which specified that lessee has to decommission the assets from rental area at the end of contract, causing lessee to set up the decommissioning costs as at 31 December 2022 in amount of Baht 5.7 million (*31 December 2021: Baht 4.9 million*).

The subsidiary had made several land rental agreements with its related parties which specified that lessee has to decommission the assets from rental area at the end of contract, causing lessee to set up the decommissioning costs as at 31 December 2021 in amount of Baht 269.6 million. Subsequently, on 30 September 2022, both parties agreed to cancel the terms of the delivery of the leased assets and decommission of the agreements.

5 Cash and cash equivalents

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Cash on hand	2,292	5,278	1,675	4,247
Cash at banks - current accounts	78,171	63,060	14,088	27,107
Cash at banks - savings accounts	6,390,424	5,598,413	3,828,012	1,126,510
Cash at banks - savings accounts (Private funds)	-	1,551	-	10
Highly liquid short-term investments	4,200,305	306	4,200,000	-
Total	10,671,192	5,668,608	8,043,775	1,157,874

6 Trade account receivables

<i>At 31 December</i>	<i>Note</i>	Consolidated financial statements		Separate financial statements	
		2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Related parties	4	913	770	1,096,573	7,712,296
Other parties		5,592,549	6,014,765	2,836,977	977,274
Total		5,593,462	6,015,535	3,933,550	8,689,570
<i>Less allowance for expected credit loss</i>		<i>(33,949)</i>	<i>(49,537)</i>	<i>(33,375)</i>	<i>(32,507)</i>
Net		5,559,513	5,965,998	3,900,175	8,657,063

TPI Polene Public Company Limited and its Subsidiaries
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7 Inventories

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Finished goods	2,111,902	1,799,241	2,323,165	2,096,425
Work in process	6,926,370	5,370,380	4,657,256	3,281,036
Raw materials and chemicals	2,250,291	1,670,665	1,893,293	1,405,548
Packages	525,996	479,828	426,911	390,381
Oil and coal	2,964,500	2,507,785	2,798,918	2,337,348
Spare parts and general supplies	4,658,435	4,012,616	3,428,114	2,946,455
Goods in transit	270,743	245,002	265,495	238,207
Total	19,708,237	16,085,517	15,793,152	12,695,400
<i>Less allowance for decline in value</i>	<i>(353,222)</i>	<i>(370,137)</i>	<i>(35,342)</i>	<i>(41,471)</i>
Net	19,355,015	15,715,380	15,757,810	12,653,929
Inventories recognised in cost of sales of goods				
- Cost	35,293,427	26,401,777	29,079,139	21,507,767
- Reversal of net realisable value	(16,915)	(10,777)	(6,129)	(2,314)
Net	35,276,512	26,391,000	29,073,010	21,505,453

8 Marketable financial assets

<i>Marketable equity and debt securities</i>	Consolidated financial statements			
	At 1 January	Increase (decrease)	Fair value adjustment	At 31 December
	<i>(in thousand Baht)</i>			
2022				
<i>Current financial assets</i>				
Debt securities measured at				
- FVTPL	3,849,788	(3,849,788)	-	-
Total	3,849,788	(3,849,788)	-	-
<i>Non-current financial assets</i>				
Equity/Debt securities measured at				
- FVOCI	1,440	-	(47)	1,393
Total	1,440	-	(47)	1,393
2021				
<i>Current financial assets</i>				
Debt securities measured at				
- FVTPL	2,699,273	1,139,314	11,201	3,849,788
Total	2,699,273	1,139,314	11,201	3,849,788
<i>Non-current financial assets</i>				
Equity/Debt securities measured at				
- FVOCI	1,431	-	9	1,440
Total	1,431	-	9	1,440

TPI Polene Public Company Limited and its Subsidiaries
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<i>Marketable equity and debt securities</i>	At 1 January	Separate financial statements Increase (decrease) <i>(in thousand Baht)</i>	Fair value adjustment	At 31 December
2022				
<i>Current financial assets</i>				
Debt securities measured at				
- FVTPL	1,803,991	(1,803,991)	-	-
Total	1,803,991	(1,803,991)	-	-
<i>Non-current financial assets</i>				
Equity securities measured at				
- FVOCI	233	-	(50)	183
Total	233	-	(50)	183
2021				
<i>Current financial assets</i>				
Debt securities measured at				
- FVTPL	1,302,891	501,066	34	1,803,991
Total	1,302,891	501,066	34	1,803,991
<i>Non-current financial assets</i>				
Equity securities measured at				
- FVOCI	226	-	7	233
Total	226	-	7	233

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9 Investments in associates and joint venture

<i>Allowance for expected credit loss</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Associates				
At 1 January	842,539	805,101	842,539	805,101
Share of profit of associates accounted for using equity method	21,386	24,703	21,386	24,703
Share of other comprehensive income (expense) of associates accounted for using equity method	(7,588)	12,735	(7,588)	12,735
At 31 December	856,337	842,539	856,337	842,539
Joint venture				
At 1 January	-	-	-	-
Acquisition	250,000	-	-	-
Share of loss of joint venture accounted for using equity method	(106)	-	-	-
At 31 December	249,894	-	-	-

The Group has not recognised loss relating to an investment in an indirect associate accounted for using the equity method where its share of loss exceeds the carrying amount of its investment. As at 31 December 2022, the Group's cumulative share of unrecognised loss was Baht 985 million (2021: Baht 985 million). The Group has no obligation in respect of this loss.

On 1 December 2022, the subsidiary entered into a memorandum of understanding with Electricity Generating Public Co., Ltd. ("EGCO") are incorporated in Thailand, in order to invest in E&T Renewable Energy Co., Ltd., a new joint venture established in Thailand. The purpose of the joint venture are manufacturing and distributing electricity. The subsidiary and EGCO equally invested 49.99% in the joint venture and paid an initial authorised share capital in 25% of the authorised share capital of Baht 500 million.

TPI Polene Public Company Limited and its Subsidiaries
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Investments in associates and joint venture as at 31 December were as follows:

	Type of business	Ownership interest		Consolidated financial statements				At equity method	
		2022	2021	Paid-up capital		Cost		2022	2021
		(%)		2022	2021	2022	2021	<i>(in thousand Baht)</i>	
Associates									
BUI Life Insurance Public Co., Ltd.	Life insurance	25.00	25.00	500,000	500,000	125,000	125,000	119,991	128,711
United Grain Industry Co., Ltd.	Manufacture and sale of packaging	19.00	19.00	550,000	550,000	104,500	104,500	736,346	713,828
						<u>229,500</u>	<u>229,500</u>	<u>856,337</u>	<u>842,539</u>
Indirect associates									
Thai Special Steel Industry Public Co., Ltd.	Manufacture and sale of steel (in the process of registering the dissolution)	29.53	29.53	4,220,000	4,220,000	1,246,200	1,246,200	-	-
Thai Plastic Film Co., Ltd.	Manufacture and sale of packaging	19.00	19.00	40,000	40,000	-	-	-	-
Thai Plastic Products Co., Ltd.	Manufacture and sale of packaging	19.00	19.00	60,000	60,000	-	-	-	-
Total						<u>1,475,700</u>	<u>1,475,700</u>	<u>856,337</u>	<u>842,539</u>
Indirect joint venture									
E&T Renewable Energy Co., Ltd.	Generate electricity from renewable energy	35.11	-	250,000	-	250,000	-	249,894	-
Total						<u>250,000</u>	<u>-</u>	<u>249,894</u>	<u>-</u>

TPI Polene Public Company Limited and its Subsidiaries
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Separate financial statements

	Type of business	Ownership interest		Paid-up capital		Cost		At equity method	
		2022	2021	2022	2021	2022	2021	2022	2021
		(%)				(in thousand Baht)			
<i>Associates</i>									
BUI Life Insurance Public Co., Ltd.	Life insurance	25.00	25.00	500,000	500,000	125,000	125,000	119,991	128,711
United Grain Industry Co., Ltd.	Manufacture and sale of packaging	19.00	19.00	550,000	550,000	104,500	104,500	736,346	713,828
Total						229,500	229,500	856,337	842,539

No dividend distribution from investments in associates held by the Group and the Company during years ended 31 December 2022 and 2021.

None of the Group's and the Company's associates are publicly listed and consequently do not have published price quotations.

All associates were incorporated in Thailand.

TPI Polene Public Company Limited and its Subsidiaries
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Immaterial associates

The following is summarised financial information for the Group's interest in immaterial associates based on the amounts reported in the Group's consolidated financial statements:

	2022	2021
	<i>(in thousand Baht)</i>	
Carrying amount of interests in immaterial associates	856,337	842,539
Group's share of:		
- Profit (loss) from continuing operations	21,280	24,703
- Other comprehensive income (expense)	(7,588)	12,735
- Total comprehensive income (expense)	13,692	37,438

10 Investments in subsidiaries

	Separate financial statements	
	2022	2021
	<i>(in thousand Baht)</i>	
<i>Subsidiaries</i>		
At 1 January	26,088,167	24,911,629
Increase capital of TPI Concrete Co., Ltd.	1,700,000	-
Share of profit of subsidiaries	2,471,275	2,922,175
Dividends income	(1,526,562)	(1,771,125)
Losses recognised using the equity method in excess of the investment	40	25,133
Share of other comprehensive income (expense) of subsidiaries	3,655	355
At 31 December	28,736,575	26,088,167

None of the Company's subsidiaries are publicly listed and consequently do not have published price quotations, except for TPI Polene Power Public Co., Ltd. which is listed on the Stock Exchange of Thailand. Based on the closing price of Baht 3.40 at 31 December 2022 (*31 December 2021: Baht 4.16*), the fair value of the Company's investment in TPI Polene Power Public Co., Ltd. was Baht 20,060 million

(*31 December 2021: Baht 24,544 million*).

On 1 July 2022, the Company paid for the newly issued ordinary shares of TPI Concrete Company Limited, a subsidiary, amounting to 17 million shares with the par value of Baht 100 per share, amounting to Baht 1,700 million.

TPI Polene Public Company Limited and its Subsidiaries
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Investments in subsidiaries as at 31 December 2022 and 2021, dividend income from those investments for the years then ended, were as follows:

	Type of business	Ownership interest		Paid-up capital		Separate financial statements				Dividend Income for the year	
		2022	2021	2022	2021	Cost		At equity method		2022	2021
		(%)				2022	2021	(in thousand Baht)		2022	2021
<i>Direct subsidiaries</i>											
TPI Concrete Co., Ltd.	Manufacturing and distributing ready mixed concrete	99.99	99.99	3,700,000	2,000,000	3,699,999	1,999,999	3,029,428	1,477,194	-	-
TPI Polene Power Public Co., Ltd.	Distributing gasoline, diesel and natural gas / Manufacturing and distributing electricity and refuse derived fuel (RDF) and organics waste	70.24	70.24	8,400,000	8,400,000	5,899,999	5,899,999	21,686,754	21,227,078	1,475,000	1,593,000
TPI All Seasons Co., Ltd.	Manufacturing and distributing melt sheets	99.99	99.99	450,000	450,000	450,000	450,000	400,143	316,923	-	-
TPI Polene Bio Organics Co., Ltd.	Manufacturing and distributing organic fertilizer	99.99	99.99	3,300,000	3,300,000	2,654,400	2,654,400	1,555,664	1,590,417	-	-
Thai Propoxide Co., Ltd.	Manufacturing electricity (dormant)	99.99	99.99	250	250	250	250	-	-	-	-
Thai Nitrate Co., Ltd.	Manufacturing and distributing nitric acids and ammonium nitrate	99.99	99.99	468,750	468,750	784,409	784,409	1,903,853	1,317,325	51,562	178,125
TPI Healthcare Co., Ltd.	Manufacturing and distributing products for humans	99.99	99.99	5,050	5,050	4,950	4,950	8,626	7,256	-	-
TPI Commercial Co., Ltd.	Retailing business	99.94	99.94	100	100	-	-	6,000	4,292	-	-

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	Type of business	Ownership interest		Paid-up capital		Separate financial statements				Dividend Income for the year	
		2022	2021	2022	2021	Cost		At equity method		2022	2021
		(%)				2022	2021	(in thousand Baht)		2022	2021
<i>Direct subsidiaries (continue)</i>											
TPI Service Co., Ltd.	Construction service	95.10	95.10	4,600	4,600	4,457	4,457	12,151	10,211	-	-
Master Achieve (Thailand) Co., Ltd.	Manufacturing and distributing factory equipment	99.99	99.99	100,000	100,000	99,931	99,931	95,573	102,172	-	-
TPI Bio Pharmaceuticals Co., Ltd.	Manufacturing and distributing products for animals	99.99	99.99	5,500	5,500	5,647	5,647	9,198	7,547	-	-
<i>Indirect subsidiaries</i>											
Mondo Thai Co., Ltd.	Property developing	83.27	83.27	36,000	36,000	10,350	10,350	9,623	9,479	-	-
Polene Silicon Co., Ltd.	Export and import business	99.93	99.93	10,000	10,000	-	-	19,562	18,273	-	-
TPI Polene Power Investment Co., Ltd.	Generate and distribute electricity in Cambodia (in the process of registering the dissolution)	-	70.24	-	3,957	-	-	-	-	-	-
TPI Biomass Power Co., Ltd.	Generate electricity from waste and biomass (dormant)	70.23	70.23	187,500	187,500	-	-	-	-	-	-
TPI Polene Power (International) Co., Ltd.	Investing in alternative energy business (dormant)	70.23	70.23	100,000	100,000	-	-	-	-	-	-
TPI Deep Sea Port Co., Ltd.	Port business operation (dormant)	70.23	70.23	25,000	25,000	-	-	-	-	-	-

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	Type of business	Ownership interest		Paid-up capital		Separate financial statements				Dividend Income for the year	
		2022	2021	2022	2021	Cost		At equity method		2022	2021
		(%)				2022	2021	(in thousand Baht)			
<i>Indirect subsidiaries (continue)</i>											
TPI Distribution Center Co., Ltd.	Operate business about collecting, storing, and distributing products to consumer (dormant)	70.23	70.23	1,000	1,000	-	-	-	-	-	-
TPI Smart City Co., Ltd. (Formerly: TPI Polene Power (SongKhla) Co., Ltd.)	Operate all types of communities and industrial estate (dormant)	70.22	70.22	1,000	1,000	-	-	-	-	-	-
TPI Solar Power Co., Ltd.	Generate electricity from solar energy (dormant)	70.22	70.22	1,000	1,000	-	-	-	-	-	-
TPI Wind Power Co., Ltd.	Generate electricity from wind energy (dormant)	70.22	70.22	1,000	1,000	-	-	-	-	-	-
Total						13,614,392	11,914,392	28,736,575	26,088,167	1,526,562	1,771,125

TPI Polene Public Company Limited and its Subsidiaries
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11 Non-controlling interests

The following table summarises the information relating to each of the Group's subsidiaries that has a material non-controlling interest, before any intra-group eliminations:

<i>As at 31 December</i>	TPI Polene Power Public Co., Ltd.	
	2022	2021
	<i>(in thousand Baht)</i>	
Non-controlling interest percentage	29.75%	29.75%
Current assets	7,001,514	9,105,261
Non-current assets	43,577,859	39,380,089
Current liabilities	(5,115,055)	(5,058,461)
Non-current liabilities	(13,899,890)	(12,575,068)
Net assets	31,564,428	30,851,821
Carrying amount of non-controlling interest	9,390,417	9,178,417
Other individually immaterial subsidiaries	12,679	12,167
Total	9,403,096	9,190,584
	TPI Polene Power Public Co., Ltd.	
	2022	2021
	<i>(in thousand Baht)</i>	
Revenue	10,625,495	11,358,260
Profit	2,812,784	4,191,330
Other comprehensive income	(177)	353
Total comprehensive income	2,812,607	4,191,683
Total comprehensive income allocated to non-controlling interest	836,751	1,247,026
Other individually immaterial subsidiaries	418	399
Total	837,169	1,247,425
Dividends to non-controlling interest	(624,657)	(674,630)
Cash flows from operating activities	1,608,807	1,237,331
Cash flows from investing activities	(679,687)	(1,635,019)
Cash flows from financing activities	(609,698)	141,351
Others	(49)	118

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12 Long-term investments in related parties

Consolidated and Separate financial statements								
	Type of business	Relationship	Ownership interest		Paid-up capital		Cost	
			2022	2021	2022	2021	2022	2021
			(%)		(in thousand Baht)			
<i>Related parties</i>								
Pornchai Enterprise Co., Ltd.	Real estate and service rental	Shareholder	0.65	0.65	4,599,920	4,599,920	45,653	45,653
Total							45,653	45,653

TPI Polene Public Company Limited and its Subsidiaries
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13 Investment properties

	Consolidated financial statements			Separate financial statements	
	Land	Buildings <i>(in thousand Baht)</i>	Total	Land	Total
Cost					
At 1 January 2021	505,713	4,500	510,213	74,044	74,044
Additions	79,771	-	79,771	56,472	56,472
At 31 December 2021 and 1 January 2021	585,484	4,500	589,984	130,516	130,516
Transfers	(30,436)	30,436	-	-	-
Transfer from property, plant and equipment	-	3,575	3,575	-	-
Transfer to property, plant and equipment	(56,472)	-	(56,472)	(56,472)	(56,472)
At 31 December 2022	498,576	38,511	537,087	74,044	74,044
Depreciation and impairment losses					
At 1 January 2021	-	3,944	3,944	-	-
Depreciation charge for the year	-	300	300	-	-
At 31 December 2021 and 1 January 2022	-	4,244	4,244	-	-
Depreciation charge for the year	-	656	656	-	-
At 31 December 2022	-	4,900	4,900	-	-
Net book value					
At 31 December 2021	585,484	256	585,740	130,516	130,516
At 31 December 2022	498,576	33,611	532,187	74,044	74,044

The fair value of investment properties of the Group and the Company as at 31 December 2022 of Baht 967 million and Baht 74 million, respectively (*2021: Baht 1,020 million and Baht 131 million, respectively*) was determined by independent professional valuers, at open market values on an existing use basis. The fair value of measurement for investment property has been categorised as a Level 3 fair value.

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

14 Property, plant and equipment

Consolidated financial statements

	Land and land improvement	Buildings and structures	Machinery and equipment for production	Tools and factory equipment	Office furniture, fixture and equipment <i>(in thousand Baht)</i>	Vehicle	Major spare parts	Exploration assets	Assets under construction and installation	Total
Cost										
At 1 January 2021	13,203,704	18,179,092	83,791,873	9,233,086	701,826	2,384,535	533,075	1,601,820	9,436,781	139,065,792
Additions	1,486,369	7,857	182,752	226,600	23,573	509	23,354	-	4,429,781	6,380,795
Transfers - net	-	358,452	5,330,045	51,652	8,961	490	(185,234)	-	(5,564,366)	-
Disposals / write - off	(54,074)	(57,622)	(97,528)	(7,955)	(5,375)	(14,321)	-	(1,601,820)	-	(1,838,695)
At 31 December 2021 and										
1 January 2022	14,635,999	18,487,779	89,207,142	9,503,383	728,985	2,371,213	371,195	-	8,302,196	143,607,892
Additions	780,613	3,101	116,026	390,762	37,622	7,163	40,503	-	6,426,589	7,802,379
Transfers - net	3,189	224,038	3,450,377	16,713	10,148	1,839	(1,780)	-	(3,704,524)	-
Transfer from investment property	56,472	-	-	-	-	-	-	-	-	56,472
Transfer to investment property	-	(3,575)	-	-	-	-	-	-	-	(3,575)
Transfer to assets held for sale	-	-	(1,013,650)	-	-	-	-	-	-	(1,013,650)
Disposals / write - off	-	(36,366)	(271,502)	(8,955)	(2,873)	(62,308)	-	-	(188)	(382,192)
At 31 December 2022	15,476,273	18,674,977	91,488,393	9,901,903	773,882	2,317,907	409,918	-	11,024,073	150,067,326

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Consolidated financial statements

	Land and land improvement	Buildings and structures	Machinery and equipment for production	Tools and factory equipment	Office furniture, fixture and equipment (in thousand Baht)	Vehicle	Major spare parts	Exploration assets	Assets under construction and installation	Total
Depreciation and impairment losses										
At 1 January 2021	588	7,106,872	29,033,624	5,944,590	540,213	1,908,563	-	1,601,820	4,532	46,140,802
Depreciation charge for the year	224	533,623	1,805,527	423,879	39,752	56,984	-	-	-	2,859,989
Disposals / write - off	-	(52,536)	(78,992)	(6,085)	(5,199)	(14,319)	-	(1,601,820)	-	(1,758,951)
At 31 December 2021 and 1 January 2022	812	7,587,959	30,760,159	6,362,384	574,766	1,951,228	-	-	4,532	47,241,840
Depreciation charge for the year	284	509,999	2,031,057	422,586	41,081	54,477	-	-	-	3,059,484
Transfer to assets held for sale	-	-	(548,312)	-	-	-	-	-	-	(548,312)
Disposals / write - off	-	(22,253)	(66,611)	(5,521)	(2,839)	(62,202)	-	-	-	(159,426)
At 31 December 2022	1,096	8,075,705	32,176,293	6,779,449	613,008	1,943,503	-	-	4,532	49,593,586
Net book value										
At 31 December 2021	<u>14,635,187</u>	<u>10,899,820</u>	<u>58,446,983</u>	<u>3,140,999</u>	<u>154,219</u>	<u>419,985</u>	<u>371,195</u>	-	<u>8,297,664</u>	<u>96,366,052</u>
At 31 December 2022	<u>15,475,177</u>	<u>10,599,272</u>	<u>59,312,100</u>	<u>3,122,454</u>	<u>160,874</u>	<u>374,404</u>	<u>409,918</u>	-	<u>11,019,541</u>	<u>100,473,740</u>

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

Separate financial statements

	Land and land improvement	Buildings and structures	Machinery and equipment for production	Tools and factory equipment	Office furniture, fixture and equipment <i>(in thousand Baht)</i>	Vehicle	Major spare parts	Assets under construction and installation	Total
Cost									
At 1 January 2021	3,095,438	15,572,014	53,316,414	8,854,422	562,787	2,348,180	287,470	5,560,585	89,597,310
Additions	-	-	2,923	192,991	11,273	448	23,744	2,739,146	2,970,525
Transfers - net	-	287,173	2,260,703	28,165	6,541	-	(38,675)	(2,543,907)	-
Disposals	-	-	(31,681)	(2,308)	(2,992)	(14,298)	-	-	(51,279)
At 31 December 2021 and 1 January 2022	3,095,438	15,859,187	55,548,359	9,073,270	577,609	2,334,330	272,539	5,755,824	92,516,556
Additions	54,634	-	-	343,726	23,825	7,416	32,735	2,813,996	3,276,332
Transfers - net	-	197,889	3,040,757	676	9,967	1,661	-	(3,250,950)	-
Transfer from investment property	56,472	-	-	-	-	-	-	-	56,472
Transfer to asset held for sale	-	-	(448,401)	-	-	-	-	-	(448,401)
Disposals	-	-	(13,628)	(6,547)	(2,309)	(65,093)	-	(573,097)	(660,674)
At 31 December 2022	3,206,544	16,057,076	58,127,087	9,411,125	609,092	2,278,314	305,274	4,745,773	94,740,285
Depreciation and impairment losses									
At 1 January 2021	-	6,306,021	21,727,612	5,731,151	443,066	1,866,705	-	-	36,074,555
Depreciation charge for the year	-	418,915	766,729	397,586	30,041	57,387	-	-	1,670,658
Disposals	-	-	(13,366)	(452)	(2,937)	(14,295)	-	-	(31,050)
At 31 December 2021 and 1 January 2022	-	6,724,936	22,480,975	6,128,285	470,170	1,909,797	-	-	37,714,163
Depreciation charge for the year	-	411,144	955,833	391,051	29,520	55,266	-	-	1,842,814
Transfer to asset held for sale	-	-	(188,158)	-	-	-	-	-	(188,158)
Disposals	-	-	(6,930)	(3,156)	(2,274)	(64,986)	-	-	(77,346)
At 31 December 2022	-	7,136,080	23,241,720	6,516,180	497,416	1,900,077	-	-	39,291,473
Net book value									
At 31 December 2021	3,095,438	9,134,251	33,067,384	2,944,985	107,439	424,533	272,539	5,755,824	54,802,393
At 31 December 2022	3,206,544	8,920,996	34,885,367	2,894,945	111,676	378,237	305,274	4,745,773	55,448,812

The gross amount of the Group and the Company's fully depreciated plant and equipment that was still in use as at 31 December 2022 amounted to Baht 14,514 million and Baht 9,988 million, respectively (2021: Baht 13,894 million and Baht 9,779 million, respectively).

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

Security

At 31 December 2022 the Company's land, buildings, machinery and equipment with a net book value of Baht 5,740 million. (2021: Baht 5,557 million) are mortgaged or pledged as collateral for the long-terms loan.

Capitalised borrowing costs relating to the acquisition of the construction of new factory of the Group and the Company as at 31 December 2022 are Baht 624 million and Baht 89 million, respectively (2021: Baht 525 million and Baht 191 million, respectively), with capitalisation in the consolidated and separate financial statements of 1.59% - 4.90% (2021: 1.68% - 5.20%).

Impairment assessment for property plant and equipment in consolidated financial statements and loan to in separate financial statements

Two subsidiaries of the Company; TPI Polene Bio Organics Co., Ltd. and TPI All Seasons Co., Ltd. has continuous loss in operation which indicated the impairment in property, plant and equipment in consolidated financial statements and loan to in separate financial statements. The Group and the Company have assessed the recoverable amount base on value in use; determined by discounting future cash flows to be generated from the continuing use of assets. The key assumptions used to determine recoverable amount included sale volume and selling price, long-term growth rate derived from expectations of future outcomes taking into account past experience, adjusted for anticipated revenue growth and discount rate referred to weighted average cost of capital (WACC) of TPI Polene Bio Organics Co., Ltd. and TPI All Seasons Co., Ltd. at 9.42% and 10.54%, respectively (2021: 8.00% and 10.86%, respectively). Base on impairment assessment, the recoverable amount was estimated to be higher than its carrying amount and no impairment was required to the Company's financial statements. Increasing in discount rate and decreasing in long-term growth rate could cause the carrying amount to exceed the recoverable amount.

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

15 Lease

<i>Right-of-use assets</i> <i>At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Land	180,425	237,614	48,708	42,033
Buildings	240,050	238,851	185,286	184,908
Equipment	5,915	14,871	5,915	14,871
Vehicles	141,499	161,617	107,513	117,671
Total	<u>567,889</u>	<u>652,953</u>	<u>347,422</u>	<u>359,483</u>

In 2022, additions to the right-of-use assets of the Group and the Company were Baht 106 million and Baht 117 million, respectively (2021: Baht 232 million and Baht 171 million, respectively).

The Group lease a number of land, buildings and vehicles for 2-30 years, with extension options at the end of lease term. The rental is payable monthly as specified in the contract.

Extension options

The Group has extension options on property leases exercisable up to one year before the end of the contract period. The Group assesses at lease commencement date whether it is reasonably certain to exercise the extension options and will regularly reassess.

<i>For the year ended 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Amounts recognised in profit or loss				
Depreciation of right-of-use assets:				
- Land	50,688	47,562	6,062	3,380
- Buildings	51,833	61,343	47,720	57,052
- Equipment	8,956	8,841	8,956	8,841
- Vehicles	79,626	80,515	66,381	67,122
Interest on lease liabilities	23,633	21,272	15,264	10,122
Expenses relating to short-term leases	42,943	58,787	30,130	40,565

In 2022, total cash outflow for leases of the Group and the Company were Baht 205.05 million and Baht 132.69 million, respectively (2021: Baht 200.58 million and Baht 133.07 million, respectively).

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

16 Intangible assets

Consolidated financial statements

	Cost of raw material resources and cost of concessions	Software licenses	Development assets <i>(in thousand Baht)</i>	Others	Total
Cost					
At 1 January 2021	1,011,688	59,383	41,205	128,016	1,240,292
Additions	3,533	-	62,319	139,750	205,602
Disposals	-	-	-	(8,016)	(8,016)
At 31 December 2021 and 1 January 2022	1,015,221	59,383	103,524	259,750	1,437,878
Additions	32,938	-	57,721	4,712	95,371
Transfers	225,573	-	-	(225,573)	-
Disposals	(24,687)	-	-	-	(24,687)
At 31 December 2022	1,249,045	59,383	161,245	38,889	1,508,562
Amortisation					
At 1 January 2021	654,800	48,913	34,914	-	738,627
Amortisation for the year	29,589	1,735	7,772	-	39,096
At 31 December 2021 and 1 January 2022	684,389	50,648	42,686	-	777,723
Amortisation for the year	29,889	1,734	9,607	-	41,230
Disposals	(23,955)	-	-	-	(23,955)
At 31 December 2022	690,323	52,382	52,293	-	794,998
Net book value					
At 31 December 2021	330,832	8,735	60,838	259,750	660,155
At 31 December 2022	558,722	7,001	108,952	38,889	713,564

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
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Separate financial statements

	Cost of raw material resources and cost of concessions	Software licenses	Development assets <i>(in thousand Baht)</i>	Others	Total
Cost					
At 1 January 2021	1,011,688	59,383	41,205	120,000	1,232,276
Additions	3,533	-	61,436	139,750	204,719
Disposals	-	-	(1,776)	-	(1,776)
At 31 December 2021 and 1 January 2022	1,015,221	59,383	100,865	259,750	1,435,219
Additions	32,938	-	56,905	4,712	94,555
Transfers	225,573	-	-	(225,573)	-
Disposals	(24,687)	-	-	-	(24,687)
At 31 December 2022	1,249,045	59,383	157,770	38,889	1,505,087
Amortisation					
At 1 January 2021	654,800	48,913	34,914	-	738,627
Amortisation for the year	29,589	1,735	7,556	-	38,880
At 31 December 2021 and 1 January 2022	684,389	50,648	42,470	-	777,507
Amortisation for the year	29,889	1,734	9,277	-	40,900
Disposals	(23,955)	-	-	-	(23,955)
At 31 December 2022	690,323	52,382	51,747	-	794,452
Net book value					
At 31 December 2021	330,832	8,735	58,395	259,750	657,712
At 31 December 2022	558,722	7,001	106,023	38,889	710,635

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

17 Interest-bearing liabilities

	Consolidated financial statements					
	2022			2021		
	Secured	Unsecured	Total	Secured	Unsecured	Total
	<i>(in thousand Baht)</i>					
Current						
Short-term loans from financial institution	-	4,355,338	4,355,338	-	3,391,674	3,391,674
Current portion of long-term loans from financial institutions	-	-	-	-	1,000,000	1,000,000
Current portion of lease liabilities	-	151,050	151,050	-	157,073	157,073
Current portion of debentures	-	12,843,200	12,843,200	-	12,565,000	12,565,000
Non-current						
Lease liabilities	-	280,479	280,479	-	350,856	350,856
Debentures	-	53,742,400	53,742,400	-	50,678,600	50,678,600
Total interest-bearing liabilities	-	71,372,467	71,372,467	-	68,143,203	68,143,203

	Separate financial statements					
	2022			2021		
	Secured	Unsecured	Total	Secured	Unsecured	Total
	<i>(in thousand Baht)</i>					
Current						
Short-term loans from financial institution	-	4,355,338	4,355,338	-	3,391,674	3,391,674
Current portion of long-term loans from financial institutions	-	-	-	-	1,000,000	1,000,000
Current portion of lease liabilities	-	102,038	102,038	-	97,055	97,055
Current portion of debentures	-	10,023,200	10,023,200	-	8,567,000	8,567,000
Non-current						
Lease liabilities	-	144,490	144,490	-	150,222	150,222
Debentures	-	41,255,000	41,255,000	-	39,964,200	39,964,200
Total interest-bearing liabilities	-	55,880,066	55,880,066	-	53,170,151	53,170,151

The periods to maturity of interest-bearing liabilities as at 31 December were as follows:

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Within 1 year	17,349,588	17,113,747	14,480,576	13,055,729
1-5 years	53,919,850	50,853,860	41,366,921	40,080,488
After 5 years	103,029	175,596	32,569	33,934
Total	71,372,467	68,143,203	55,880,066	53,170,151

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
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Secured interest-bearing liabilities as at 31 December were secured on the following net book value assets:

<i>Assets pledged as security for liabilities as at 31 December</i>	<i>Note</i>	Consolidated and Separate financial statements	
		2022	2021
		<i>(in thousand Baht)</i>	
Land and buildings		1,220,231	1,294,944
Machinery and equipment		4,519,680	4,261,595
Total	<i>14</i>	<u>5,739,911</u>	<u>5,556,539</u>

As at 31 December 2022 the Group and the Company had unutilised credit facilities totalling Baht 153 million and Baht 108 million, respectively (*2021: Baht 153 million and Baht 108 million, respectively*).

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

Debentures

As at 31 December 2022, the Group and the Company had the unsecured, unsubordinated debentures in registered form with debentures holders' representative, payable quarterly totalling Baht 66,586 million and Baht 51,278 million, respectively (2021: Baht 63,244 million and Baht 48,531 million, respectively) as follows:

Issued Date	Consolidated financial statements						Interest rate (% p.a.)	Term
	The period to maturity within one year		The period to maturity over one year		Total			
	2022	2021	2022	2021	2022	2021		
	<i>(in thousand Baht)</i>							
5 August 2015	-	3,743,000	-	-	-	3,743,000	5.20	7 years
1 April 2016	-	1,197,000	-	-	-	1,197,000	4.60	6 years
1 April 2016	2,640,500	-	-	2,640,500	2,640,500	2,640,500	4.80	7 years
11 January 2019	-	3,525,000	-	-	-	3,525,000	4.10	3 years
1 March 2019	-	100,000	-	-	-	100,000	3.80	2 years 10 months 30 days
11 July 2019	2,820,000	-	-	2,820,000	2,820,000	2,820,000	3.90	3 years 6 months
11 July 2019	-	-	2,888,000	2,888,000	2,888,000	2,888,000	4.90	5 years 6 months
9 August 2019	-	4,000,000	-	-	-	4,000,000	3.50	3 years 3 months
16 January 2020	4,382,700	-	-	4,382,700	4,382,700	4,382,700	3.50	3 years
2 July 2020	-	-	4,127,000	4,127,000	4,127,000	4,127,000	4.25	3 years 9 months
19 August 2020	-	-	3,789,600	3,789,600	3,789,600	3,789,600	3.90	3 years 11 months
5 November 2020	-	-	3,515,300	3,515,300	3,515,300	3,515,300	4.25	4 years
5 November 2020	-	-	3,410,700	3,410,700	3,410,700	3,410,700	4.50	5 years

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Issued Date	Consolidated financial statements						Interest rate (% p.a.)	Term
	The period to maturity within one year		The period to maturity over one year		Total			
	2022	2021	2022	2021	2022	2021		
	<i>(in thousand Baht)</i>							
4 March 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	4.15	4 years 3 months
30 April 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	3.50	2 years 9 months
10 June 2021	3,000,000	-	-	3,000,000	3,000,000	3,000,000	3.00	2 years 6 months
8 October 2021	-	-	3,581,200	3,581,200	3,581,200	3,581,200	3.55	4 years 6 months
8 October 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	3.70	4 years 11 months
12 November 2021	-	-	4,523,600	4,523,600	4,523,600	4,523,600	3.55	4 years 3 months
30 June 2021	-	-	3,745,000	-	3,745,000	-	4.10	5 years
11 August 2022	-	-	4,593,000	-	4,593,000	-	4.10	5 years
15 November 2022	-	-	2,532,800	-	2,532,800	-	4.25	4 years
15 November 2022	-	-	2,042,200	-	2,042,200	-	4.32	4 years 3 months
15 November 2022	-	-	2,994,000	-	2,994,000	-	4.50	5 years
Total	12,843,200	12,565,000	53,742,400	50,678,600	66,585,600	63,243,600		

TPI Polene Public Company Limited and its Subsidiaries
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Issued Date	Separate financial statements						Interest rate (% p.a.)	Term
	The period to maturity within one year		The period to maturity over one year		Total			
	2022	2021	2022	2021	2022	2021		
	<i>(in thousand Baht)</i>							
5 August 2015	-	3,745,000	-	-	-	3,745,000	5.20	7 years
1 April 2016	-	1,197,000	-	-	-	1,197,000	4.60	6 years
1 April 2016	2,640,500	-	-	2,640,500	2,640,500	2,640,500	4.80	7 years
11 January 2019	-	3,525,000	-	-	-	3,525,000	4.10	3 years
1 March 2019	-	100,000	-	-	-	100,000	3.80	2 years 10 months 30 days
11 July 2019	3,000,000	-	-	3,000,000	3,000,000	3,000,000	3.90	3 years 6 months
11 July 2019	-	-	2,888,000	2,888,000	2,888,000	2,888,000	4.90	5 years 6 months
16 January 2020	4,382,700	-	-	4,382,700	4,382,700	4,382,700	3.50	3 years
2 July 2020	-	-	4,127,000	4,127,000	4,127,000	4,127,000	4.25	3 years 9 months
5 November 2020	-	-	3,515,300	3,515,300	3,515,300	3,515,300	4.25	4 years
5 November 2020	-	-	3,410,700	3,410,700	3,410,700	3,410,700	4.50	5 years
4 March 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	4.15	4 years 3 months
30 April 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	3.50	2 years 9 months
8 October 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	3.55	4 years 6 months
8 October 2021	-	-	4,000,000	4,000,000	4,000,000	4,000,000	3.70	4 years 11 months
30 June 2022	-	-	3,745,000	-	3,745,000	-	4.10	5 years
15 November 2022	-	-	2,532,800	-	2,532,800	-	4.25	4 years
15 November 2022	-	-	2,042,200	-	2,042,200	-	4.32	4 years 3 months
15 November 2022	-	-	2,994,000	-	2,994,000	-	4.50	5 years
Total	10,023,200	8,567,000	41,255,000	39,964,200	51,278,200	48,531,200		

TPI Polene Public Company Limited and its Subsidiaries
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18 Trade accounts payable

		Consolidated		Separate	
		financial statements		financial statements	
	<i>Note</i>	2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Related parties	4	365,969	312,029	441,636	373,773
Other parties		3,425,560	3,304,597	2,688,286	2,781,915
Total		<u>3,791,529</u>	<u>3,616,626</u>	<u>3,129,922</u>	<u>3,155,688</u>

19 Other payables

		Consolidated		Separate	
		financial statements		financial statements	
		2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Accrued expenses		1,329,895	1,124,550	893,767	892,395
Deposit from sales		417,008	595,442	356,126	505,491
Guarantee and deposits		328,237	311,660	322,254	306,290
Retention payable		475,510	172,023	50,732	48,592
Machine Payable		362,328	220,634	157,916	185,912
Others		669,442	536,866	485,601	374,011
Total		<u>3,582,420</u>	<u>2,961,175</u>	<u>2,266,396</u>	<u>2,312,691</u>

20 Non-current provisions for employee benefits

		Consolidated		Separate	
		financial statements		financial statements	
	<i>At 31 December</i>	2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
Post-employment benefits					
Defined benefit plan		<u>2,041,884</u>	<u>2,257,704</u>	<u>1,709,848</u>	<u>1,919,174</u>

Defined benefit plan

The Group and the Company operate a defined benefit plan based on the requirement of Thai Labour Protection Act B.E. 2541 (1998) to provide retirement benefits to employees based on pensionable remuneration and length of service. The defined benefit plans expose the Group to actuarial risks, such as longevity risk, interest rate risk and market (investment) risk.

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<i>Present value of the defined benefit obligations</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
At 1 January	2,257,704	2,326,482	1,919,174	1,956,682
Recognised in profit or loss:				
Current service cost and interest on obligation	3,829	2,792	-	-
Recognised in other comprehensive income:				
Actuarial gain	(136,275)	-	(132,446)	-
Other				
Benefit paid	(83,374)	(71,570)	(76,880)	(37,508)
At 31 December	2,041,884	2,257,704	1,709,848	1,919,174

<i>Principal actuarial assumptions</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
Discount rate	3.33 - 3.78	2.70 - 2.91	3.33 - 3.72	2.70 - 2.87
Future salary growth	2.50 - 4.50	2.35 - 6.11	3.50	4.29 - 6.11

Assumptions regarding future mortality have been based on published statistics and mortality tables.

At 31 December 2022, the weighted-average duration of the defined benefit obligation was 23 years (2021: 24 years).

Sensitivity analysis

Reasonably possible changes at the reporting date to one of the relevant actuarial assumptions, holding other assumptions constant, would have affected the defined benefit obligation by the amounts shown below.

<i>Effect to the defined benefit obligation At 31 December</i>	Consolidated financial statements			
	1% increase in assumption		1% decrease in assumption	
	2022	2021	2022	2021
Discount rate	(161,993)	(246,316)	186,597	281,140
Future salary growth	160,651	249,268	(142,780)	(222,128)

<i>Effect to the defined benefit obligation At 31 December</i>	Separate financial statements			
	1% increase in assumption		1% decrease in assumption	
	2022	2021	2022	2021
Discount rate	(129,445)	(176,131)	150,151	207,857
Future salary growth	129,342	179,151	(114,040)	(155,934)

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21 Share capital

	Par value per share (in Baht)	Consolidated and Separate financial statements			
		2022		2021	
		Number	Amount	Number	Amount
		<i>(thousand shares / in thousand Baht)</i>			
<i>Authorised</i>					
At 1 January	1	23,751,500	23,751,500	23,805,500	23,805,500
- ordinary shares					
Reduction of shares	1	<u>(191,265)</u>	<u>(191,265)</u>	<u>(54,000)</u>	<u>(54,000)</u>
At 31 December					
- ordinary shares	1	<u>23,560,235</u>	<u>23,560,235</u>	<u>23,751,500</u>	<u>23,751,500</u>
<i>Issued and paid-up</i>					
At 1 January	1	19,126,500	19,126,500	19,180,500	19,180,500
- ordinary shares					
Reduction of shares	1	<u>(191,265)</u>	<u>(191,265)</u>	<u>(54,000)</u>	<u>(54,000)</u>
At 31 December					
- ordinary shares	1	<u>18,935,235</u>	<u>18,935,235</u>	<u>19,126,500</u>	<u>19,126,500</u>

22 Treasury shares

During 2021, the Company has sold 165.61 million treasury shares totalling to Baht 281.27 million, consisting the cost of the repurchased treasury shares calculated by the weighted average method in the amount of Baht 195.79 million and surplus on sale of treasury shares (Surplus on treasury shares) in the amount of Baht 85.48 million, presented as a separate category within equity.

On 16 June 2021, the Company's treasury shares has remained 54.00 million shares. The Company registered to decrease capital totalling 54.00 million shares, at par value Baht 1 per share, by writing off the treasury shares totally 54.00 million shares that could not be sold through the Securities Exchange of Thailand on 11 June 2021 with the Ministry of Commerce and write-off all treasury shares and treasury shares reserve from equity.

At the Board of Directors meeting held on 23 December 2021, it approved the Company's share repurchase for financial management purposes scheme, the maximum amount for the share repurchase is not greater than Baht 450 million, number of shares repurchased 191.27 million shares, at par value Baht 1 per share, or representing 1% of the total paid-up capital. The repurchase period has started from 10 January 2022 to 10 April 2022.

On 21 January 2022, the Company has completely repurchased the shares under the program of 191.27 million shares at a total cost of Baht 365.55 million.

On 27 July 2022, the Company registered to decrease capital totalling 191.27 million shares, at par value Baht 1 per share, totalling Baht 191.27 million and registered with the Department of Business Development, the Ministry of Commerce and write-off all treasury shares and treasury shares reserve from equity.

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23 Reserves

Reserves comprise:

Appropriations of profit and retained earnings

Legal reserve

Section 116 of the Public Companies Act B.E. 2535 requires that a public company shall allocate not less than 5% of its annual net profit, less any accumulated losses brought forward, to a reserve account (“legal reserve”), until this account reaches an amount not less than 10% of the registered authorised capital. The legal reserve is not available for dividend distribution.

Treasury shares reserve

The treasury shares reserve represents the amount appropriated from retained earnings equal to the cost of the Company’s own shares held by the Company. The treasury shares reserve is not available for dividend distribution.

24 Segment information and disaggregation of revenue

Management determined that the Group has four reportable segments which are the Group’s strategic divisions for different products and services, and are managed separately because they require different technology and marketing strategies. The following summary describes the operations in each of the Group’s reportable segments.

- Construction Materials
- Petrochemical & Chemicals
- Energy & Utilities
- Agriculture

Each segment's performance is measured based on segment profit before tax, as included in the internal management reports that are reviewed by the Group’s CODM. Segment profit before tax is used to measure performance as management believes that such information is the most relevant in evaluating the results of certain segments relative to other entities that operate within these industries.

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(a) *Reportable segment results*

Consolidated Financial Statements							Reportable segment profit (loss) before interest, tax, depreciation, and amortisation	
	Revenue from external customers		Inter-segment revenue		Total reportable segment revenue		2022	2021
	2022	2021	2022	2021	2022	2021		
	<i>(in thousand Baht)</i>							
Construction Materials	22,999,991	16,968,829	6,028,419	6,439,711	29,028,410	23,408,540	2,978,515	1,859,328
Petrochemical & Chemicals	16,766,659	12,550,440	4,757,551	10,093,393	21,524,210	22,643,833	6,455,803	5,384,337
Energy & Utilities	8,234,425	9,266,087	1,965,549	1,807,746	10,199,974	11,073,833	3,913,956	5,426,308
Agriculture	131,924	134,429	149,418	158,073	281,342	292,502	20,098	(13,744)
Total	<u>48,132,999</u>	<u>38,919,785</u>	<u>12,900,937</u>	<u>18,498,923</u>	<u>61,033,936</u>	<u>57,418,708</u>	<u>13,368,372</u>	<u>12,656,229</u>
Other gain (loss)							3,058	(15,214)
							<u>13,371,430</u>	<u>12,641,015</u>
Finance costs							(1,934,590)	(2,061,541)
Depreciation and amortisation							(3,292,473)	(3,097,646)
Share of profit (loss) of associates accounted for using equity method							21,280	24,703
Elimination of inter-segment (profit) loss							(155,043)	(49,295)
Profit before income tax expense for the year							<u>8,010,604</u>	<u>7,457,236</u>

Timing of reportable segment revenue recognition of the Group is at a point in time.

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	Consolidated financial statements	
	Reportable segment	
	profit (loss) before tax	
<i>For the year ended 31 December</i>	2022	2021
	<i>(in thousand Baht)</i>	
Construction Materials	(312,106)	(1,563,314)
Petrochemical & Chemicals	6,230,390	5,219,060
Energy & Utilities	2,826,835	4,301,464
Agriculture	(28,084)	(60,322)
Total	8,717,035	7,896,888
Other gains (losses)	1,926	(28,813)
Finance costs for investment	(620,647)	(397,456)
Elimination of inter-segment (profit) loss	(87,710)	(13,383)
Profit (loss) before income tax expense for the year	8,010,604	7,457,236

(b) Reportable segment financial position

	Consolidated financial statements	
	Segment assets	
	2022	2021
	<i>(in thousand Baht)</i>	
Construction Materials	84,542,431	76,935,278
Petrochemical & Chemicals	10,452,895	15,297,125
Energy & Utilities	46,571,295	43,031,698
Agriculture	2,108,930	2,117,248
Others	587,747	584,705
	144,263,298	137,966,054
Unallocated assets	4,286,799	9,059,366
Total	148,550,097	147,025,420
Elimination of inter-segment assets	(4,050,669)	(11,311,822)
Total assets	144,499,428	135,713,598

(c) Disaggregation of revenue

	Separate financial statement	
	Revenue from sale of goods	
	2022	2021
	<i>(in thousand Baht)</i>	
Construction Materials	23,330,546	17,047,621
Petrochemical & Chemicals	14,388,831	11,522,509
Total	37,719,377	28,570,130

Timing of revenue recognition of the Company is at a point in time.

Geographical segments

In presenting information on the basis of geographical segments, segment revenue is based on the geographical location of customers. Segment assets are based on the geographical location of the assets.

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<i>Geographical information</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Thailand	29,301,215	26,427,221	24,889,630	28,258,765
China	9,348,358	8,349,487	6,061,270	-
Bangladesh	548,642	399,104	274,799	-
India	1,579,077	-	1,145,110	-
Others	7,355,707	3,743,973	5,348,568	311,365
Total	48,132,999	38,919,785	37,719,377	28,570,130

The Group is managed and operates principally in Thailand.

(d) Disaggregation of finance cost

	Separate financial statements	
	2022	2021
	<i>(in thousand Baht)</i>	
Construction Materials	1,175,785	1,486,884
Petrochemical & Chemicals	94,109	3,387
Investing	620,647	397,456
Total	1,890,541	1,887,727

25 Other income

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Revenue from machine rental	216,755	183,155	-	-
Income from sale of scraps	62,821	59,339	62,821	59,339
Sale steam	99,030	52,709	11,722	13,313
Rental trucks income	13,847	14,741	16,750	21,221
Share services income	1,907	2,014	295,657	580,763
Other income - claim insurance	14,102	510	13,908	480
Income from sale of spare parts	-	-	26,381	17,486
Others	460,004	247,047	262,055	111,150
Total	868,466	559,515	689,294	803,752

26 Cost of distributions and transportations

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Delivery expenses	2,211,698	1,812,988	1,990,020	1,500,166
Personnel expenses	838,895	831,473	720,224	717,873
Depreciation and amortisation	173,882	208,223	194,997	198,150
Maintenance expenses	31,782	34,418	29,463	29,659
Others	493,621	459,589	480,028	438,254
Total	3,749,878	3,346,691	3,414,732	2,884,102

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27 Administrative expenses

	Consolidated		Separate	
	financial statements		financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Personnel expenses	1,026,047	942,839	770,655	713,276
Depreciation and amortisation	196,043	156,355	147,573	142,381
Maintenance expenses	34,003	21,966	30,636	20,671
Others	756,603	926,129	284,894	290,361
Total	<u>2,012,696</u>	<u>2,047,289</u>	<u>1,233,758</u>	<u>1,166,689</u>

28 Employee benefit expenses

	Consolidated		Separate	
	financial statements		financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Management</i>				
Wages and salaries	349,848	276,930	276,640	210,977
Defined benefit plan	4,001	4,501	-	-
Others	61,581	53,609	34,083	28,578
	<u>415,430</u>	<u>335,040</u>	<u>310,723</u>	<u>239,555</u>
<i>Other employees</i>				
Wages and salaries	5,958,508	5,681,627	4,628,090	4,401,836
Defined benefit plan	4,303	3,865	-	-
Others	370,422	325,513	271,119	232,290
	<u>6,333,233</u>	<u>6,011,005</u>	<u>4,899,209</u>	<u>4,634,126</u>
Total	<u>6,748,663</u>	<u>6,346,045</u>	<u>5,209,932</u>	<u>4,873,681</u>

Defined contribution plans

The defined contribution plans comprise provident funds established by some companies of the Group for its employees. Membership to the funds is on a voluntary basis. Contributions are made monthly by the employees at rates ranging from 3% to 10% of their basic salaries and by the Company at rates ranging from 3% to 10% of the employees' basic salaries. The provident funds are registered with the Ministry of Finance as juristic entities and are managed by a licensed Fund Manager.

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29 Expenses by nature

The statements of comprehensive income include an analysis of expenses by function. Expenses by nature disclosed in accordance with the requirements of various TFRS were as follows:

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>Included in cost of sales of goods:</i>				
Changes in inventories of finished goods and work in progress	(1,868,651)	(1,916,202)	(1,602,960)	(1,773,744)
Raw materials and consumables used	19,445,547	15,787,063	9,880,376	8,308,131
Reversal of loss on decline in value of inventories	(16,915)	(10,777)	(6,129)	(2,314)
Depreciation of plant and equipment	2,916,137	2,719,256	1,663,852	1,491,590
Amortisation of intangible assets	6,411	13,812	6,411	13,812
<i>Included in distribution costs:</i>				
Depreciation of plant and equipment	164,275	200,451	185,720	190,594
Amortisation of intangible assets	9,607	7,772	9,277	7,556
<i>Included in administrative expenses:</i>				
Depreciation of plant and equipment	170,831	138,843	122,361	124,869
Amortisation of intangible assets	25,212	17,512	25,212	17,512

30 Finance costs

	<i>Note</i>	Consolidated financial statements		Separate financial statements	
		2022	2021	2022	2021
		<i>(in thousand Baht)</i>			
<i>Interest expense :</i>					
Loans from related party		-	-	3,168	1,986
Loans from financial institutions		95,462	136,178	95,462	135,803
Debentures		2,435,727	2,423,780	1,865,181	1,931,282
Leases	15	23,633	21,272	15,264	10,122
Total interest expense		2,554,822	2,581,230	1,979,075	2,079,193
Others		4,126	5,401	-	-
		2,558,948	2,586,631	1,979,075	2,079,193
<i>Less: amounts included in the cost of qualifying assets:</i>					
- Construction contracts work in progress		(624,358)	(525,090)	(88,534)	(191,466)
Net		1,934,590	2,061,541	1,890,541	1,887,727

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31 Income tax

<i>Income tax recognised in profit or loss</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Current tax expense				
Current year	172,388	170,992	-	-
Adjustment for prior years	2,530	6,913	-	455
	<u>174,918</u>	<u>177,905</u>	<u>-</u>	<u>455</u>
Deferred tax expense				
Movements in temporary differences	(9,090)	361,372	(20,361)	397,111
Total tax (income) expense	<u>165,828</u>	<u>539,277</u>	<u>(20,361)</u>	<u>397,566</u>

	Consolidated financial statements					
	Before tax	2022 Tax (expense) benefit	Net of tax	Before tax	2021 Tax (expense) benefit	Net of tax
<i>Income tax</i>						
			<i>(in thousand Baht)</i>			
Recognised in other comprehensive income						
Foreign currency translation differences for foreign operations	(177)	-	(177)	353	-	353
Financial assets at FVOCI	(47)	10	(37)	9	(2)	7
Defined benefit plan actuarial gains	136,275	(26,489)	109,786	-	-	-
Share of other comprehensive income (expense) of associates	(7,588)	-	(7,588)	12,735	-	12,735
Total	<u>128,463</u>	<u>(26,479)</u>	<u>101,984</u>	<u>13,097</u>	<u>(2)</u>	<u>13,095</u>

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<i>Income tax</i>	Separate financial statements					
	Before tax	2022 Tax (expense) benefit	Net of tax (in thousand Baht)	Before tax	2021 Tax (expense) benefit	Net of tax
<i>Recognised in other comprehensive income</i>						
Financial assets at FVOCI	(50)	10	(40)	7	(2)	5
Defined benefit plan						
actuarial gains	132,446	(26,489)	105,957	-	-	-
Share of other comprehensive income (expense) of subsidiaries accounted for using equity method	3,655	-	3,655	355	-	355
Share of other comprehensive income (expense) of associates accounted for using equity method	(7,588)	-	(7,588)	12,735	-	12,735
Total	128,463	(26,479)	101,984	13,097	(2)	13,095

<i>Reconciliation of effective tax rate</i>	Consolidated financial statements			
	Rate (%)	2022 (in thousand Baht)	Rate (%)	2021 (in thousand Baht)
Profit before income tax expense		<u>8,010,604</u>		<u>7,457,236</u>
Income tax using the Thai corporation tax rate	20	1,602,121	20	1,491,447
Income not subject to tax		(117,776)		(321,153)
Profit was derived from promoted activities		(541,197)		(746,457)
Expenses not deductible for tax purposes		58,568		104,720
Deferred tax asset from tax loss expired		45,709		55,290
Prior year losses recognised as deferred tax asset in current year		(367,816)		-
Recognition of previously unrecognised tax losses		(558,246)		(71,305)
Current year losses for which no deferred tax asset was recognised		41,935		19,822
Under provided in prior years		2,530		6,913
Total	2	165,828	7	539,277

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Reconciliation of effective tax rate

	Separate financial statements			
		2022		2021
	Rate (%)	(in thousand Baht)	Rate (%)	(in thousand Baht)
Profit before income tax expense		<u>6,987,246</u>		<u>6,068,100</u>
Income tax using the Thai corporation tax rate	20	1,397,449	20	1,213,620
Income not subject to tax		(529,586)		(948,402)
Profit was derived from promoted activities		-		(2,331)
Expenses not deductible for tax purposes		25,776		95,800
Deferred tax asset from tax loss expired		-		38,424
Prior year losses recognised as deferred tax assets in current year		(367,816)		-
Recognition of previously unrecognised tax losses		(546,184)		-
Under provided in prior years		-		455
Total	<u>(0.29)</u>	<u>(20,361)</u>	<u>7</u>	<u>397,566</u>

	Consolidated financial statements			
	Assets		Liabilities	
	2022	2021	2022	2021
Deferred tax				
At 31 December				
		(in thousand Baht)		
Total	1,246,516	1,261,781	(762,485)	(760,361)
Set off of tax	(725,115)	(716,667)	725,115	716,667
Net deferred tax assets (liabilities)	<u>521,401</u>	<u>545,114</u>	<u>(37,370)</u>	<u>(43,694)</u>

	Separate financial statements			
	Assets		Liabilities	
	2022	2021	2022	2021
Deferred tax				
At 31 December				
		(in thousand Baht)		
Total	1,021,635	1,008,617	(736,558)	(717,422)
Set off of tax	(736,558)	(717,422)	736,558	717,422
Net deferred tax assets (liabilities)	<u>285,077</u>	<u>291,195</u>	<u>-</u>	<u>-</u>

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Movements in total deferred tax assets and liabilities during the year were as follows:

	Consolidated financial statements (Charged) / Credited to			At 31 December 2022
	At 1 January 2022	Profit or loss (in thousand Baht)	Other comprehensive income	
<i>Deferred tax assets</i>				
Allowance for expected credit loss	15,398	(3,436)	-	11,962
Allowance for decline in value of inventories	2,911	(2,157)	-	754
Allowance for impairment of assets	1,806	-	-	1,806
Provision for sales discount and sales promotional	13,249	25,364	-	38,613
Provision for employee benefit	442,853	(16,675)	(26,489)	399,689
Loss carry forward	772,307	21,224	-	793,531
Provision for decommissioning costs	13,125	(13,125)	-	-
Others	132	19	10	161
Total	1,261,781	11,214	(26,479)	1,246,516
<i>Deferred tax liabilities</i>				
Amortisation gap of concessions	(3,275)	180	-	(3,095)
Lease liabilities	(166,633)	(16,077)	-	(182,710)
Depreciation gap of assets	(534,524)	5,103	-	(529,421)
Property, plant and equipment	(55,929)	8,670	-	(47,259)
Total	(760,361)	(2,124)	-	(762,485)
Net	501,420	9,090	(26,479)	484,031

	Consolidated financial statements (Charged) / Credited to			At 31 December 2021
	At 1 January 2021	Profit or loss (in thousand Baht)	Other comprehensive income	
<i>Deferred tax assets</i>				
Allowance for expected credit loss	18,460	(3,062)	-	15,398
Allowance for decline in value of inventories	4,604	(1,693)	-	2,911
Allowance for impairment of assets	1,806	-	-	1,806
Provision for sales discount and sales promotional	14,398	(1,149)	-	13,249
Provision for employee benefit	456,609	(13,756)	-	442,853
Loss carry forward	1,081,549	(309,242)	-	772,307
Provision for decommissioning costs	5,387	7,738	-	13,125
Others	92	42	(2)	132
Total	1,582,905	(321,122)	(2)	1,261,781

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	Consolidated financial statements (Charged) / Credited to			At 31 December 2021
	At 1 January 2021	Profit or loss (in thousand Baht)	Other comprehensive income	
<i>Deferred tax liabilities</i>				
Amortisation gap of concessions	(3,666)	391	-	(3,275)
Lease liabilities	(152,244)	(14,389)	-	(166,633)
Depreciation gap of assets	(499,602)	(34,922)	-	(534,524)
Property, plant and equipment	(64,599)	8,670	-	(55,929)
Total	(720,111)	(40,250)	-	(760,361)
Net	862,794	(361,372)	(2)	501,420
	Separate financial statements (Charged) / Credited to			At 31 December 2022
	At 1 January 2022	Profit or loss (in thousand Baht)	Other comprehensive income	
<i>Deferred tax assets</i>				
Allowance for expected credit loss	12,122	(160)	-	11,962
Allowance for impairment of assets	900	-	-	900
Provision for sales discount and sales promotional	12,437	25,396	-	37,833
Provision for employee benefit	383,835	(15,376)	(26,489)	341,970
Loss carry forward	599,173	29,637	-	628,810
Others	150	-	10	160
Total	1,008,617	39,497	(26,479)	1,021,635
<i>Deferred tax liabilities</i>				
Amortisation gap of concessions	(3,275)	180	-	(3,095)
Lease liabilities	(126,436)	(23,486)	-	(149,922)
Depreciation gap of assets	(587,711)	4,170	-	(583,541)
Total	(717,422)	(19,136)	-	(736,558)
Net	291,195	20,361	(26,479)	285,077
	Separate financial statements (Charged) / Credited to			At 31 December 2021
	At 1 January 2021	Profit or loss (in thousand Baht)	Other comprehensive income	
<i>Deferred tax assets</i>				
Allowance for expected credit loss	13,069	(947)	-	12,122
Allowance for impairment of assets	900	-	-	900
Provision for sales discount and sales promotional	13,492	(1,055)	-	12,437
Provision for employee benefit	391,336	(7,501)	-	383,835
Loss carry forward	930,111	(330,938)	-	599,173
Others	152	-	(2)	150
Total	1,349,060	(340,441)	(2)	1,008,617

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	At 1 January 2021	Separate financial statements (Charged) / Credited to		At 31 December 2021
		Profit or loss <i>(in thousand Baht)</i>	Other comprehensive income	
<i>Deferred tax liabilities</i>				
Amortisation gap of concessions	(3,666)	391	-	(3,275)
Lease liabilities	(103,525)	(22,911)	-	(126,436)
Depreciation gap of assets	(553,561)	(34,150)	-	(587,711)
Total	(660,752)	(56,670)	-	(717,422)
Net	688,308	(397,111)	(2)	291,195

As at 31 December 2022, the Group has deferred tax arising from loss carry forward has not been recognised in the consolidated financial statements amounting to Baht 267 million (2021: Baht 1,183 million) and the Company has no deferred tax assets arising from loss carry forward has not been recognised in separate financial statements (2021: Baht 944 million).

The tax losses expire in 2023 to 2027. The deductible temporary differences do not expire under current tax legislation. The Group has not recognised these items as deferred tax assets because it is not probable that the Group will have sufficient future taxable profit to utilise the benefits therefrom.

Recognition of deferred tax asset from tax loss

In 2022 and 2021, the Group has entered into several agreements for many projects. As a result, management estimates future taxable profits and, as at 31 December 2022, the Group recognised deferred tax assets from tax losses in the consolidated and separate financial statements amounting to Baht 794 million and Baht 629 million, respectively (2021: Baht 772 million and Baht 599 million, respectively) because management considered it is probable that future taxable profits would be available against which such losses can be used.

Deferred tax asset from loss carry forward in the consolidated and separate financial statements will expire as detail shown below.

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Deferred tax assets from loss carry forward expiring in year				
- 2022	-	383,888	-	338,180
- 2023	395,853	57,673	338,180	-
- 2024	50,797	21,161	29,637	-
- 2025	260,993	260,993	260,993	260,993
- 2026	48,592	48,592	-	-
- 2027	37,296	-	-	-
Total	793,531	772,307	628,810	599,173

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32 Promotional privileges

By virtue of the provisions of the Industrial Investment Promotion Act of B.E. 2520, the Group has been granted privileges by the Board of Investment relating to petrochemical products, plastic film products, masterbatch, compound plastic, compound rubber, organic fertilizer, natural gas stations, power plants and fuel production from garbage and waste. The privileges granted include:

- (a) exemption from payment of import duty on machinery and equipment approved by the Board;
- (b) exemption from payment of corporate income tax for certain operations for a period of 3 - 8 years from the dates on which the income is first derived from such operations;
- (c) a 50% reduction in the normal income tax rate on the net profit derived from certain operations for a period of 5 years, commencing from the expiry date in (b) above;
- (d) a deduction of twice the actual transportation, electrical and water supply expenses for a period of 10 years from the respective revenues and a 25% reduction of the capital expenditure for the installation or the construction of the facilities in addition to the normal depreciation; and
- (e) losses occur during the period could be carried forward 5 years commencing from the expiry date of the privileges to deducted from the profit that occur after the period of exemption of cooperate income tax.

As a promoted company, the Group must comply with certain terms and conditions prescribed in the promotional certificates.

Summary of revenue from promoted and non-promoted businesses:

	Consolidated financial statements					
	2022			2021		
	Promoted businesses	Non- promoted businesses	Total	Promoted businesses	Non- promoted businesses	Total
	<i>(in thousand Baht)</i>					
Export sales	-	10,529,560	10,529,560	-	12,520,668	12,520,668
Local sales	9,635,663	40,868,737	50,504,400	9,578,463	35,236,685	44,815,148
Eliminations	<u>(2,329,451)</u>	<u>(10,571,510)</u>	<u>(12,900,961)</u>	<u>(1,724,739)</u>	<u>(16,691,292)</u>	<u>(18,416,031)</u>
Total	<u>7,306,212</u>	<u>40,826,787</u>	<u>48,132,999</u>	<u>7,853,724</u>	<u>31,066,061</u>	<u>38,919,785</u>

	Separate financial statements					
	2022			2021		
	Promoted businesses	Non- promoted businesses	Total	Promoted businesses	Non- promoted businesses	Total
	<i>(in thousand Baht)</i>					
Export sales	-	4,522,336	4,522,336	-	411,216	411,216
Local sales	450,063	32,746,978	33,197,041	139,385	28,019,529	28,158,914
Total	<u>450,063</u>	<u>37,269,314</u>	<u>37,719,377</u>	<u>139,385</u>	<u>28,430,745</u>	<u>28,570,130</u>

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33 Basic earnings per share

The calculations of basic earnings per share for the years ended 31 December 2022 and 2021 were based on the profit for the years attributable to ordinary shareholders of the Company and the number of ordinary shares outstanding during the years, after adjusting the own shares held by subsidiaries. The calculations are as follows:

	Consolidated and Separate financial statements	
	2022	2021
	<i>(in thousand Baht / thousand shares)</i>	
Profit attributable to ordinary shareholders of the Company (Basic)	<u>7,007,607</u>	<u>5,670,534</u>
Number of ordinary shares outstanding at 1 January	19,126,500	19,180,500
Effect of treasury shares	<u>(182,992)</u>	<u>(78,642)</u>
Weighted average number of ordinary shares outstanding (basic)	<u>18,943,508</u>	<u>19,101,858</u>
Earnings per share (basic) (in Baht)	<u>0.370</u>	<u>0.297</u>

34 Dividends

At the annual general meeting of the shareholders of the Company held on 22 April 2021, the shareholders approved the appropriation of dividend from the Company's retained earnings of Baht 0.06 per share, amounting to Baht 1,150.83 million. After a deduction of the interim dividends of Baht 0.03 per share which paid to the Company's shareholders in 2020, the remaining dividends of Baht 0.03 per share, totalling Baht 573.79 million. The dividend was paid to the shareholders in May 2021.

At the Board of Directors' meeting of the Company held on 30 September 2021, the Board of Directors approved the appropriation of interim dividend from the Company's retained earnings of Baht 0.03 per share, amounting to Baht 573.80 million. The dividend was paid to the shareholders in October 2021.

At the annual general meeting of the shareholders of the Company held on 20 April 2022, the shareholders approved the appropriation of dividend from the Company's retained earnings of Baht 0.09 per share, amounting to Baht 1,721.39 million (not yet deducting the 191.265 million repurchase shares at record date, which doesn't have the right to receive dividend payment pursuant to related legal regulations imposed). After a deduction of the interim dividends of Baht 0.03 per share which paid to the Company's shareholders in 2021, the remaining dividends of Baht 0.06 per share, totalling Baht 1,136.11 million. The dividend was paid to the shareholders in May 2022.

35 Financial instruments

(a) Carrying amounts and fair values

The following table shows the carrying amounts and fair values of financial assets and financial liabilities, including their levels in the fair value hierarchy, but does not include fair value information for financial assets and financial liabilities measured at amortised cost if the carrying amount is a reasonable approximation of fair value.

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		Consolidated financial statements							
		Carrying amount			Fair value				
<i>At 31 December 2022</i>	<i>Note</i>	Financial instruments measured at FVTPL	Financial instruments measured at FVOCI	Financial instruments measured at amortised cost	Total <i>(in thousand Baht)</i>	Level 1	Level 2	Level 3	Total
<i>Financial assets</i>									
Other financial assets									
Investment in equity instruments	8	-	183	-	183	183	-	-	183
Investment in debt instruments	8	-	1,210	515,301	516,511	-	470,610	-	470,610
Total financial assets		-	1,393	515,301	516,694				
<i>Financial liabilities</i>									
Promissary Note	17	-	-	4,355,338	4,355,338	-	4,356,344	-	4,356,344
Debentures	17	-	-	66,585,600	66,585,600	-	66,929,768	-	66,929,768
Total financial liabilities		-	-	70,940,938	70,940,938				

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		Consolidated financial statements					Fair value		
		Carrying amount			Total (in thousand Baht)	Level 1	Level 2	Level 3	Total
<i>At 31 December 2021</i>	<i>Note</i>	Financial instruments measured at FVTPL	Financial instruments measured at FVOCI	Financial instruments measured at amortised cost					
Financial assets									
Other financial assets									
Investment in equity instruments	8	-	233	-	233	233	-	-	233
Investment in debt instruments	8	3,849,788	1,207	512,454	4,363,449	3,806,496	541,970	-	4,348,466
Promissary Note		-	-	2,145,658	2,145,658	-	2,145,658	-	2,145,658
Total financial assets		3,849,788	1,440	2,658,112	6,509,340				
Financial liabilities									
Promissary Note	17	-	-	3,391,674	3,391,674	-	3,392,337	-	3,392,337
Debentures	17	-	-	63,243,600	63,243,600	-	63,905,528	-	63,905,528
Total financial liabilities		-	-	66,635,274	66,635,274				

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<i>At 31 December 2022</i>	<i>Note</i>	Carrying amount			Separate financial statements			Fair value	
		Financial instruments measured at FVTPL	Financial instruments measured at FVOCI	Financial instruments measured at amortised cost	Total <i>(in thousand Baht)</i>	Level 1	Level 2	Level 3	Total
<i>Financial assets</i>									
Other financial assets									
Investment in equity instruments	8	-	183	-	183	183	-	-	183
Investment in debt instruments	8	-	-	12,529	12,529	-	12,872	-	12,872
Total financial assets		-	183	12,529	12,712				
<i>Financial liabilities</i>									
Promissary Note	17	-	-	4,355,338	4,355,338	-	4,356,344	-	4,356,344
Debentures	17	-	-	51,278,200	51,278,200	-	51,659,611	-	51,659,611
Total financial liabilities		-	-	55,633,538	55,633,538				

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<i>At 31 December 2021</i>	Note	Carrying amount			Separate financial statements		Fair value		
		Financial instruments measured at FVTPL	Financial instruments measured at FVOCI	Financial instruments measured at amortised cost	Total <i>(in thousand Baht)</i>	Level 1	Level 2	Level 3	Total
Financial assets									
Other financial assets									
Investment in equity instruments	8	-	233	-	233	233	-	-	233
Investment in debt instruments	8	1,803,991	-	11,789	1,815,780	1,803,991	12,486	-	1,816,477
Promissary Note		-	-	698,218	698,218	-	698,218	-	698,218
Total financial assets		1,803,991	233	710,007	2,514,231				
Financial liabilities									
Promissary Note	17	-	-	3,391,674	3,391,674	-	3,392,337	-	3,392,337
Debentures	17	-	-	48,531,200	48,531,200	-	49,120,253	-	49,120,253
Total financial liabilities		-	-	51,922,874	51,922,874				

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The following tables present valuation technique of financial instruments measured at fair value in the statements of financial position:

Type	Valuation technique
Investments in government bonds guaranteed by the government, classified as financial assets measured at amortised cost	Thai Bond Market Association Government Bond Yield Curve as of the reporting date.
Corporate debt securities (Private funds)	<i>Market comparison/discounted cash flow:</i> The fair value is estimated considering (i) current or recent quoted prices for identical securities in markets that are not active and (ii) a net present value calculated using discount rates derived from quoted prices of securities with similar maturity and credit rating that are traded in active markets, adjusted by an illiquidity factor.
Investments in marketable unit trusts classified as financial assets measured at FVTPL or FVOCI	The net asset value as of the reporting date.
Debentures	A valuation technique incorporating observable market data which is adjusted with counterparty credit risk (excluding own credit risk) and other risks to reflect true economic value.

(b) Financial risk management policies

Risk management framework

The Group's board of directors has overall responsibility for the establishment and oversight of the Group's risk management framework. The board of directors has established the risk management committee, which is responsible for developing and monitoring the Group's risk management policies. The committee reports regularly to the board of directors on its activities.

The Group's risk management policies are established to identify and analyse the risks faced by the Group, to set appropriate risk limits and controls and to monitor risks and adherence to limits. Risk management policies and systems are reviewed regularly to reflect changes in market conditions and the Group's activities. The Group, through its training and management standards and procedures, aims to maintain a disciplined and constructive control environment in which all employees understand their roles and obligations.

The Group audit committee oversees how management monitors compliance with the Group's risk management policies and procedures, and reviews the adequacy of the risk management framework in relation to the risks faced by the Group. The Group audit committee is assisted in its oversight role by internal audit. Internal audit undertakes both regular and ad hoc reviews of risk management controls and procedures, the results of which are reported to the audit committee.

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(b.1) Credit risk

Credit risk is the risk of financial loss to the Group if a customer or counterparty to a financial instrument fails to meet its contractual obligations, and arises principally from the Group's receivables from customers and investments in debt securities.

(b.1.1) Trade accounts receivables

The Group's exposure to credit risk is influenced mainly by the individual characteristics of each customer. However, management also considers the factors that may influence the credit risk of its customer base, including the default risk associated with the industry and country in which customers operate. Detail of concentration of revenue are included in note 24(c).

The risk management committee has established a credit policy under which each new customer is analysed individually for creditworthiness before the Group's commercial terms and conditions are offered. The Group's review financial statements, industry information and in some cases bank references. Sale limits are established for each customer and reviewed regularly. Any sales exceeding those limits require approval from the risk management committee.

The Group limits its exposure to credit risk from trade accounts receivables by establishing a maximum payment period of 360 days. Outstanding trade receivables are regularly monitored by the Group. An impairment analysis is performed by the Group at each reporting date. The provision rates of expected credit loss are based on days past due for groupings of various customer segments with similar credit risks to reflect differences between economic conditions in the past, current conditions and the Group's view of economic conditions over the expected lives of the receivables.

Information relevant to trade accounts receivables and contract assets are disclosed in note 6 and 24, respectively.

(b.1.2) Investment in debt securities

The Group considers that all debt investments measured at amortised cost and FVOCI have low credit risk. Then the credit loss allowance assessed during the year was therefore limited to 12 months expected losses or 'low credit risk'. Marketable bonds are considered to be an investment grade credit rating published by external credit rating agencies. The credit risk of other instruments are considered to be low when the risk of default is low and the issuer has a strong capacity to meet its contractual cash flow obligations.

(b.1.3) Cash and cash equivalent and derivatives

The Group's exposure to credit risk arising from cash and cash equivalents is limited because the counterparties are banks and financial institutions which the Group considers to have low credit risk.

(b.2) Liquidity risk

The Group monitors its liquidity risk and maintains a level of cash and cash equivalents deemed adequate by management to finance the Group's operations and to mitigate the effects of fluctuations in cash flows.

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The following table shows the remaining contractual maturities of financial liabilities at the reporting date.

	Consolidated financial statements				
	Carrying amount	Contractual cash flows			Total
1 year or less		After 1 year but within 5 years	More than 5 years		
<i>At 31 December 2022</i>					
<i>(in thousand Baht)</i>					
Non-derivative financial liabilities					
Short-term loans from financial institutions	4,355,338	4,355,338	-	-	4,355,338
Trade payables	3,791,529	3,751,996	35,212	4,321	3,791,529
Loans from financial institutions	-	-	-	-	-
Lease liabilities	431,529	181,368	217,364	140,055	538,787
Debentures	66,585,600	12,843,200	53,742,400	-	66,585,600
Total	75,163,996	21,131,902	53,994,976	144,376	75,271,254
At 31 December 2021					
Non-derivative financial liabilities					
Short-term loans from financial institutions	3,391,674	3,391,674	-	-	3,391,674
Trade payables	3,616,626	3,438,856	169,755	8,015	3,616,626
Loans from financial institutions	1,000,000	1,000,000	-	-	1,000,000
Lease liabilities	507,929	136,258	208,569	224,777	569,604
Debentures	63,243,600	12,565,000	50,678,600	-	63,243,600
Total	71,759,829	20,531,788	51,056,924	232,792	71,821,504
Separate financial statements					
Contractual cash flows					
			After 1 year but within 5 years	More than 5 years	Total
<i>At 31 December 2022</i>	Carrying amount	1 year or less			
<i>(in thousand Baht)</i>					
Non-derivative financial liabilities					
Short-term loans from financial institutions	4,355,338	4,355,338	-	-	4,355,338
Trade payables	3,129,922	3,114,876	11,030	4,016	3,129,922
Loans from financial institutions	-	-	-	-	-
Lease liabilities	246,528	122,502	134,943	42,648	300,093
Debentures	51,278,200	10,023,200	41,255,000	-	51,278,200
Total	59,009,988	17,615,916	41,400,973	46,664	59,063,553
At 31 December 2021					
Non-derivative financial liabilities					
Short-term loans from financial institutions	3,391,674	3,391,674	-	-	3,391,674
Trade payables	3,155,688	3,140,065	8,230	7,393	3,155,688
Loans from financial institutions	1,000,000	1,000,000	-	-	1,000,000
Lease liabilities	247,277	104,761	125,906	45,287	275,954
Debentures	48,531,200	8,567,000	39,964,200	-	48,531,200
Total	56,325,839	16,203,500	40,098,336	52,680	56,354,516

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(b.3) *Market risk*

The Group is exposed to the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risk is as follows:

(b.3.1) Foreign currency risk

The Group is exposed to foreign currency risk relating to purchases and sales of goods, purchases of machine and equipment and loans which are denominated in foreign currencies.

<i>Exposure to foreign currency at At 31 December</i>	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
<i>United States Dollars</i>				
Cash and cash equivalents	2,441,951	3,228,154	2,431,049	8,849
Trade accounts receivable	1,192,951	2,364,823	1,171,381	29,578
Trade accounts payable	(642,653)	(184,644)	(642,320)	(184,248)
Other payables - machines	(507,970)	(42,393)	(23,418)	(993)
	<u>2,484,279</u>	<u>5,365,940</u>	<u>2,936,692</u>	<u>(146,814)</u>
<i>EURO</i>				
Cash and cash equivalents	6,491	3,375	214	9
Trade accounts receivable	7,676	21,737	-	-
Trade accounts payable	(14,098)	(20,786)	(14,098)	(20,786)
Other payables - machines	(167,868)	(193,550)	(134,498)	(184,919)
	<u>(167,799)</u>	<u>(189,224)</u>	<u>(148,382)</u>	<u>(205,696)</u>
<i>Others</i>				
Cash and cash equivalents	1,273	1,066	836	626
Trade accounts receivable	121,571	84,782	121,571	-
Trade accounts payable	(68,268)	(20,848)	(68,268)	(20,848)
Other payables - machines	(2,035)	-	-	-
	<u>52,541</u>	<u>65,000</u>	<u>54,139</u>	<u>(20,222)</u>
Net exposure	<u>2,369,021</u>	<u>5,241,716</u>	<u>2,842,449</u>	<u>(372,732)</u>

(b.3.2) Interest rate risk

Interest rate risk is the risk that future movements in market interest rates will affect the results of the Group's operations and its cash flows because debt securities and loan interest rates are mainly fixed. The Group is primarily exposed to interest rate risk from its borrowings (see note 17). The Group mitigates this risk by ensuring that the majority of its debt securities and borrowings are at fixed interest rates.

36 Capital management

The Board of Directors' policy is to maintain a strong capital base so as to maintain investor, creditor and market confidence and to sustain future development of the business. The Board regularly monitors the return on capital, by evaluating result from operating activities divided by total shareholders' equity, excluding non-controlling interests and also monitors the level of dividends to ordinary shareholders.

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37 Commitments with non-related parties

	Consolidated financial statements		Separate financial statements	
	2022	2021	2022	2021
	<i>(in thousand Baht)</i>			
Capital commitments				
Agreements for construction, machine and equipment	<u>9,041,368</u>	<u>4,281,222</u>	<u>1,396,171</u>	<u>1,072,564</u>
Other commitments				
Short-term lease and services commitments	1,628	1,287	-	-
Unused letters of credit	306,244	924,895	306,244	867,766
Purchase agreement for raw material	99,001	349,148	99,001	349,148
Bank guarantees	<u>1,093,476</u>	<u>314,543</u>	<u>263,169</u>	<u>183,294</u>
Total	<u>1,500,349</u>	<u>1,589,873</u>	<u>668,414</u>	<u>1,400,208</u>

38 Contingent liabilities

As at 31 December 2022, the Company had the major lawsuits as follows:

- 1) Due to on 20 February 2017, Tham Phra Phothisat Temple (the “Plaintiff”) filed a complaint with the Central Administrative Court (the “Court”) being the Black Case No. Sor. 3/2560, and claimed that Plaintiff is authorized by the Fine Arts Department to be the caretaker of the Phothisat cave (Tham Phra Phothisat), but did not have a written power of attorney, and alleged that the Company’s mining activity caused damage to the engraved images in Phothisat cave. Later, on 2 June 2017, the Court called the Company to be a party (as an interpleader) in the case where the Plaintiff filed a lawsuit against the Minister of the Ministry of Industry, 1st Defendant, the Director-General of Department of Primary Industries and Mines, 2nd Defendant, Department of Mineral Resources, 3rd Defendant and Saraburi Provincial Industry Office, 4th Defendant (collectively “Defendants”); claiming that the Defendants’ issuance of Prathanabat to the Company is done in contradiction to regulation of Ministry of Interior on the Conditions and Means of Prathanabat Issuance, under Section 9 of the Land Code B.E. 2497, which such regulation of Ministry of Interior was issued in B.E. 2535; thus, the Plaintiff requested that such Prathanabat issued by the Defendants to “Petrochemical Industry Company Limited” which such Prathanabat was later assigned to the Company, be revoked. Further, the Plaintiff filed a request for an emergency interim measure demanding that the Court orders the Company to stop the blasting of rocks for mining activity, until the decision of this case is reached.

On 3 August 2017, the Court, together with the parties of this case went to examine the location at Phothisat cave and found the Bas-relief art images of Buddha, Shiva god, Narai god, Hermit, etc. located at the front area of the cave; and during the examination at the location, the officer of Fine Arts Department informed that according to the evidences which are the photographed pictures of the art images which were taken in B.E. 2507, B.E. 2508, B.E. 2534, B.E. 2535, B.E. 2559 and B.E. 2560, there is no traces of any changes to the art images based on comparison with those pictures. Further, the Court, together with the parties of this case, examined the area of the Company (interpleader) which was granted with Prathanabat by witnessing the rock blasting activity of the interpleader around 15.30 o’clock, standing approximately 300-400 metres from the area of blasting activity; which at the time of blasting, it made a slightly loud sound, but no vibration was detected. Later, on 8 September 2017, Court denied the Plaintiff’s request for an emergency interim measure for the Company to comply with the order of the 4th Defendant.

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The 1st Defendant submitted a written statement dated 8 May 2017 to the Court, which stated that the 1st Defendant is authorized with the power to issue Prathanabat to each applicant in accordance with the Minerals Act, B.E. 2510. The 2nd Defendant submitted a written statement dated 4 May 2017 to the Court, which stated that the 2nd Defendant was assigned with the administration power from Department of Mineral Resources according to the Reorganization of Ministry, Sub-Ministry, and Department Act, B.E. 2545 and is authorized with the duty to consider the application for Prathanabat which have been submitted to the officials at the local Industry Office, and the 2nd Defendant is authorized with the power to grant Prathanabat in accordance with Section 54 of the Minerals Act, B.E. 2510; and after Prathanabat is granted, the 2nd Defendant has the duty to control, monitor and inspect that the person whom has been granted with Prathanabat, shall comply with the Minerals Act, B.E. 2510 and the conditions set forth in the annex of Prathanabat. The 3rd Defendant submitted a written statement dated 28 March 2017 to the Court, which stated that the presently, the 3rd Defendant is not authorized by the laws related to the issuance of Prathanabat, which is due to the Royal Decree on transfer of administration duty and power of the administrative agencies issued according to the Reorganization of Ministry, Sub-Ministry, and Department Act, B.E. 2545, Section 151 which transferred the said duty, power and asset to Department of Primary Industries and Mines (2nd Defendant). The Fine Arts Department also submitted a written statement dated 5 April 2017 to the Court, which stated that the Phothisat cave is deemed as ancient monument under Section 4 of Act on ancient monuments, antiques, objects of art and national museum, B.E. 2504 and the Fine Arts Department had already announced the registration of Phothisat cave as ancient monuments in the government gazette since 6 April 1965; and the Fine Arts Department authorized the director of Regional Office of the Arts Department, No.3, Ayutthaya, with the authority to file any complaint to the inquiry officer who has authority in the area, against any wrongdoer. The statement further clarified that on 14 December 2016, the Fine Arts Department had inspected the Phothisat cave and there appeared to be no traces of any damage, nor any damage to the Bas-relief art images from Dvaravati era, e.g. images of Buddha, Narai god, Shiva god or other persons; which are in good order and it was found that the conditions of the other areas within the cave are normal without traces of any damage being caused by the mining activity of the Company.

The fact-finding procedure of the case had ended and the Court had set the first trial date to be 9 September 2020 together with submission of summary of facts from the Judge who presided over this case dated 11 August 2020 and scheduled the date of rendering the Court's decision to be on 30 September 2020.

The Court ruled that the Defendants lawfully issued Prathanabat to "Petrochemical Industry Company Limited" and in accordance with the Land Code and Minerals Act, B.E. 2510, which such Prathanabat was later transferred to the Company, which were done lawfully and legitimately; the mining activity of the Company which is the blasting of rocks according to Prathanabat and using the explosives not exceeding the rate of 130 kilograms, further, the result of vibration or compression level inspection are according to the safety standard, when compared with the standard set forth by the Ministry of Natural Resources and Environment. Additional, the Fine Arts Department also stated that according to the inspection result, there is no additional damage, the Bas-relief art images are in good condition and there is no damage to the area within the cave; thus, the Court has no reason nor cause to issue the order according to the Plaintiff's request and the Court has ruled that the case is dismissed and the Court's order relating to the emergency interim measure dated 8 September 2017 shall be revoked starting from the first day of which the appeal submission period has expired (in case there is no appeal submission) or starting from the date on which the Court has ordered its decision to accept or not accept the appeal (in case there is submission of an appeal), as the case maybe.

The Plaintiff submitted the appeal to the Court on 27 October 2020 and the Court accepted the appeal of the Plaintiff. Therefore, the Court's order dated 8 September 2017 relating to the emergency interim measure ceased to be in effect. The Court allowed the date to submit the answer to the appeal to be within 21 February 2021. The interpleader submitted the answer to the appeal on 5 February 2021. The case is pending the considering of the Supreme Court.

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- 2) This case is due to the Company received permit to dig the water-well, from Mittraphap Subdistrict Administration Organization and the Company dig the water-well in the Company's own land, in order to preserve the environment and to be used for prevention of fire (the Black Case No. SorWor.2/2561). Later, on 21 June 2018, the Department of Primary Industry and Mines, Ministry of Industry, by representation of the district attorney, the Office of Attorney General (the "Plaintiff"), filed a lawsuit against the Company (the "Defendant") at the Civil Court (the "Court"), claiming the violation in mining activity with the principal amount of claim of Baht 71,566,889.42. The Plaintiff claimed that the Company conducted its shale mining unlawfully in the area in which Prathanabat for such area has not been granted, totaling 2 locations; thus, requesting that the Court to order the Company to return the shale totaling of 249,159.96 metric tons back to the original area and restore the area into its previous condition or pay the compensation consisting of the value of the shale and royalty fee to the government in the amount of Baht 66,650,289.31 together with interest.

The Company plead in its defense that the Plaintiff does not have any authority to file such lawsuit according to the Enhancement and Conservation of National Environmental Quality Act B.E. 2535, the lawsuit is vague, delusive without any evidence and is already time-barred by prescription period; further, the lawsuit is a civil claim in connection with criminal offence, the Plaintiff claimed that the Company conducted unlawful mining activity, however, the claim is fault, the Company did not commit any criminal offence and did not infringe any rights of the Plaintiff, thus, the civil claim does not exist due to non-existence of infringement, the Company has not committed any wrongdoing according to the complaint and is not liable to any claim. The hearing was finished and the Court ordered the date to render the Court's decision to be on 24 March 2020.

On 24 March 2020, the Court ordered the Company to return the shale totaling 249,159.96 metric tons back to the original area and restore the area to its previous condition or pay the compensation consisting of the value of the shale and royalty fee to the government in the amount of Baht 66,650,289.31 together with interest at the rate of 7.5 percent per annum on the said amount, starting from the date of the violation (28 June 2017) until the date of the complaint filing (359 days) making the interest to be Baht 4,916,600.11. Total amount of combined principal and interest is Baht 71,566,889.31. The Court also ordered that the interest on the principal amount of Baht 66,650,289.31, in the rate of 7.5 percent per annum would be paid calculating from the next day after the date of filing of the complaint until the payment is received in full together with the court fees in behalf of the Plaintiff and attorney fee of Baht 80,000.

The Company filed the appeal together with the request for delay of judgement execution on 19 August 2020.

On 20 October 2021, the Civil Court pronounced the judgment of the Court of Appeal in which the Court of Appeal modified the judgment by charging interest at a rate of 5 percent per annum pursuant to the judgment of the Court of First Instance from 11 April 2021 onwards until payment to the Plaintiff in full or by making an adjustment to decrease or increase the interest in accordance with the Royal Decree enacted under newly amended Section 7 of the Civil Procedure Code plus an increasing rate of 2 percent per annum but not exceeding the rate of 7.5 percent per annum as requested by the Plaintiff. Other than the amendment, the judgment of Court of Appeal shall govern.

The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgment of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 18 February 2022.

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On 23 January 2023, the Civil Court made the announcement of the Supreme Court's order, whereby the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company's appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.

The complaint of this case described that the lawsuit is a civil claim in connection with the criminal offence for the part concerning the Department of Primary Industry and Mines' filling of report to the inquiry official requesting the inquiry official to commence the criminal proceeding against the Company for unlawful mining activity without permit; and the inquiry official issued the opinion that this case shall not be prosecuted and later on, the District Attorney also concurred and issued the final order that the criminal case will not be prosecuted against the Company, thus, the criminal case is final.

- 3) On 20 June 2019, Tham Phra Phothisat Temple (the "Plaintiff") filed a lawsuit against the Ministry of Industry, as 1st defendant and other related persons as co-defendants, totaling 31 persons, in a Black Case No. Sor. 17/2562, which the Company is the 30th Defendant in the lawsuit and the Plaintiff also filed request for the Court to order an emergency interim measure, until the decision of this case is reached. Later on, the Court also ordered the Committee of Professional on Environmental Impact Assessment Report (the "Committee"), as the 32nd Defendant. The Court has considered and issued the order dated 17 September 2019, to accept the complaint against some of the respondents and denied to accept the complaint against some respondents and some claims (the Court only accept the followings as defendants: Ministry of Industry, as 1st Defendant, Minister of Ministry of Industry, as 2nd Defendant, Department of Primary Industry and Mines, as 3rd Defendant, Director-General of Department of Primary Industry and Mines, as 4th Defendant, the Company, as the 30th Defendant and the Committee, as the 32nd Defendant, respectively). The Court also issued order dated 17 September 2019 which denied the Plaintiff's request for an emergency interim measure. The Plaintiff claimed to be the authorized person from the Fine Arts Department as caretaker of the Phothisat Cave, but did not have a written power of attorney, but requested to the Court to order that the application for Prathanabat of the Company is unlawful, the Plaintiff also claimed that the resolution of the 32nd Defendant which approved the Company's Environmental Impact Assessment Report for the Company's mining activity, concealed the facts, thus, unlawful. The Plaintiff requested the Court to order the revocation of the Company's application for Prathanabat of limestone mining, in which the Company has submitted for approval.

The Defendant submitted written statement of defense which informed the Court that the Plaintiff has no authority to file the complaint and this complaint repeated the complaint filed in Black Case No. Sor.3/2560, and the Company's application for Prathanabat of limestone mining is lawful and in accordance with the rules, procedures and methods as prescribed by the laws, further, the applied area for Prathanabat is not the restricted area under the laws in respect of Mineral and Forest; and there is an Environmental Impact Assessment Report which have been prepared correctly and completely in accordance with the law in relation to Enhancement and Conservation of National Environmental Quality and law related to Mineral, for application for Prathanabat which have been submitted for approval from the authority. The application for Prathanabat is pending the consideration for approval of the authority and the Company's application for Prathanabat did not cause any damage or grievance to the Plaintiff, thus, the Defendant requested the Court to dismiss the complaint.

The Company have made and submitted the additional statement of defense to the Court on 14 January 2021, the case is under the process of the Court's fact finding procedure.

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- 4) On 8 July 2015, the Department of Primary Industries and Mines, Ministry of Industry by the representation of the Saraburi Office of District Attorney (the “Plaintiff”) filed a civil lawsuit (the Black Case No. SorWor.4/2559) against the Company (the “Defendant”) with the principle amount of claim in total of Baht 4,066,535,823. The Plaintiff later amended the complaint to increase the amount of claim to be the total of Baht 4,338,558,231.54; claiming that the Company engaged its limestone mining activity in the area outside the designated area under the Prathanabat and requested that the Company returned the limestone ore in total of 31,522,374.26 metric tons and restore the area to be in its previous condition or pay the compensation together with the 7.5 per annum interest.

The Company plead in its statement of defense that the Plaintiff does not have any authority to file such lawsuit according to the Enhancement and Conservation of National Environmental Quality Act B.E. 2535, the lawsuit is vague, delusive without any evidence and is already time-barred by prescription period; further, the lawsuit is a civil claim in connection with criminal offence relating to unlawful mining activity, however, the Company has not committed any criminal offence and did not infringe any rights of the Plaintiff, thus, the civil claim does not exist due to non-existence of infringement, the Company has not committed any wrongdoing according to the complaint and is not liable to any claim, therefore, the Company denied all claims under the complaint. Additionally, the Company also has, in reserve pursuant to the Prathanabat, several hundred million tons of limestone and the said reserves, if not used before the expiration of the Prathanabat, would not be usable after the expiration date, therefore, the Defendant does not have any cause or necessity to the engage in mining activity outside the designated area.

The case was requested to be transferred to the Environmental Law Division of the Civil Court to be jointly considered with other related cases and the Court granted the said request.

On 13 December 2019, the Civil Court ordered the Company to return the limestone ore in total of 31,522,374.26 metric tons back to the area where the mining activity was done and to restore such area to the previous condition or pay the compensation of Baht 4,047,472,854.98 together with the 7.5 percent per annum interest on the said principle amount, calculating from the discovery date of the unlawful mining activity (24 July 2014) until the date of the filing of complaint (350 days) totaling Baht 291,085,376.56 making it Baht 4,338,558,231.54 in total. The Court also ordered the Defendant to pay 7.5 percent per annum interest on the principal of Baht 4,047,472,854.98 counting from the day after the complaint filing date until the payment is made in full.

The Company filed an appeal with the request for a delay of judgement execution on 8 May 2020.

On 17 November 2021, the Civil Court pronounced the judgment of the Court of Appeal in which the Court of Appeal modified the judgment by charging interest at a rate of 5 percent per annum pursuant to the judgment of the Court of First Instance from 11 April 2021 onwards until payment to the Plaintiff in full or by making an adjustment to decrease or increase the interest in accordance with the Royal Decree enacted under newly amended Section 7 of the Civil Procedure Code plus an increasing rate of 2 percent per annum but not exceeding the rate of 7.5 percent per annum as requested by the Plaintiff. Other than the amendment, the judgment of Court of Appeal shall govern. There is no court cost at the appellate level.

The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgement of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 17 March 2022.

On 22 November 2022, the Civil Court made the announcement of the Supreme Court’s order, whereby the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company’s appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.

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The complaint of this case described that the lawsuit is a civil claim in connection with the criminal offence for the part concerning the Department of Primary Industry and Mines's filling of report to the inquiry official requesting the inquiry official to commence the criminal proceeding against the Company for unlawful mining activity without permit; and the inquiry official issued the opinion that this case shall not be prosecuted and later on, the District Attorney also concurred and issued the final order that the criminal case will not be prosecuted against the Company, thus, the criminal case is final.

- 5) On 24 March 2016, the Department of Primary Industries and Mines, Ministry of Industry by the representation of the Saraburi Office of District Attorney (the "Plaintiff") filed a civil lawsuit (the Black Case No. SorWor.6/2559) against the Company (the "Defendant") claiming that the Company engaged its limestone mining activity in the area outside the designated area under the Prathanabat. The complaint requested the Company to return the limestone ore of 2,447,906.76 metric tons and restore the area into the previous condition or pay the compensation of Baht 327,680,219.25 together with 7.5 percent per annum interest.

The Company plead in its defense that the Plaintiff does not have any authority to file such lawsuit according to the Enhancement and Conservation of National Environmental Quality Act B.E. 2535, the lawsuit is vague, delusive without any evidence and is already time-barred by prescription period; further, the lawsuit is a civil claim in connection with criminal offence relating to unlawful mining activity, however, the Company has not committed any criminal offence and did not infringe any rights of the Plaintiff, thus, the civil claim does not exist due to non-existence of infringement, the Company has not committed any wrongdoing according to the complaint and is not liable to any claim, therefore, the Company denied all claims under the complaint. Additionally, the Company also has, in reserve pursuant to the Prathanabat, several hundred million tons of limestone and the said reserves, if not used before the expiration of the Prathanabat, would not be usable after the expiration date, therefore, the Defendant does not have any cause or necessity to the engage in mining activity outside the designated area.

The case was requested to be jointly considered with other related cases and the Court granted the said request.

On 13 December 2019, the Civil Court ordered the Company to return the limestone ore for cement industry, in total of 2,477,906.76 metric tons back to the area where the mining activity was done and restore such area to the previous condition or pay the compensation of Baht 314,311,227.98 together with the 7.5 percent per annum interest, calculating from the discovery date of the unlawful mining activity (31 August 2015) until the date of the filing of complaint (207 days) totaling Baht 13,368,991.27 making it Baht 327,680,219.25 in total. The Court also ordered the Defendant to pay 7.5 percent per annum interest on the principal of Baht 314,311,227.98 counting from the day after the complaint filing date until the payment is made in full and ordered that the Defendant pay the court fees on the Plaintiff's behalf (court fee shall be calculated from the amount of claim ordered in favour of the Plaintiff) and to pay the attorney fee of Baht 100,000.

The Company filed an appeal with the request for a delay of judgement execution on 8 May 2020.

On 17 November 2021, the Civil Court pronounced the judgment of the Court of Appeal in which the Court of Appeal modified the judgment by charging interest at a rate of 5 percent per annum pursuant to the judgment of the Court of First Instance from 11 April 2021 onwards until payment to the Plaintiff in full or by making an adjustment to decrease or increase the interest in accordance with the Royal Decree enacted under newly amended Section 7 of the Civil Procedure Code plus an increasing rate of 2 percent per annum but not exceeding the rate of 7.5 percent per annum as requested by the Plaintiff. Other than the amendment, the judgment of Court of Appeal shall govern. There is no court cost at the appellate level.

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The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgement of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 17 March 2022.

On 22 November 2022, the Civil Court made the announcement of the Supreme Court's order, whereby the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company's appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.

The complaint of this case described that the lawsuit is a civil claim in connection with the criminal offence for the part concerning the Department of Primary Industry and Mines' filling of report to the inquiry official requesting the inquiry official to commence the criminal proceeding against the Company for unlawful mining activity without permit; and the inquiry official issued the opinion that this case shall not be prosecuted and later on, the District Attorney also concurred and issued the final order that the criminal case will not be prosecuted against the Company, thus, the criminal case is final.

- 6) On 24 March 2016, the Department of Primary Industries and Mines, Ministry of Industry by the representation of the Saraburi Office of District Attorney (the "Plaintiff") filed a civil lawsuit (the Black Case No. SorWor.5/2559) against the Company (the "Defendant") in the civil case claiming for compensation totaling Baht 1,671,128,829.14 stating that the Company engaged its limestone mining activity unlawfully (engaged in the mining restricted area) demanding that the ore totaling 12,484,023.50 metric tons be returned and the area be restored into its previous condition or pay the compensation together with the 7.5 percent per annum interest.

The Company plead in its statement of defense that the Plaintiff does not have any authority to file such lawsuit according to the Enhancement and Conservation of National Environmental Quality Act B.E. 2535, the lawsuit is vague, delusive without any evidence and is already time-barred by prescription period; further, the lawsuit is a civil claim in connection with criminal offence relating to unlawful mining activity, however, the Company has not committed any criminal offence and did not infringe any rights of the Plaintiff, thus, the civil claim does not exist due to non-existence of infringement, the Company has not committed any wrongdoing according to the complaint and is not liable to any claim, therefore, the Company denied all claims under the complaint. Additionally, the Company also has, in reserve pursuant to the Prathanabat, several hundred million tons of limestone and the said reserves, if not used before the expiration of the Prathanabat, would not be usable after the expiration date, therefore, the Defendant does not have any cause or necessity to the engage in mining activity outside the designated area.

On 2 August 2019, the Court ordered the Company to return the limestone for cement industry totaling 12,484,023.50 metric tons back to the area where the mining activity was done and restore such area to the previous condition or pay the compensation of Baht 1,602,948,617.40 together with the interest of 7.5 percent per annum of such amount calculating from the date of being notified of the land survey result (31 August 2015) until the date of the filing of complaint (207 days) making the interest to be Baht 68,180,211.74, making it Baht 1,671,128,829.14 in total, together with payment of 7.5 percent per annum interest on the principle amount of Baht 1,602,948,617.40 counting from the day after the complaint filing date until the payment is made in full and ordered that the Defendant pay the court fees on the Plaintiff's behalf (court fee shall be calculated from the amount of claim ordered in favour of the Plaintiff) and to pay the attorney fee of Baht 200,000.

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The Company does not agree with the decision of the Court of the First Instance and filed the appeal together with the request for a delay of judgement execution on 3 December 2019. The case is pending the consideration of the Court of Appeal. The Court makes an appointment for the hearing of a judgement or order of the Court of Appeal on 22 September 2020 but the appointment was postponed because the case is pending mediation during the appeal. Subsequently, the mediation in the appellate stage was terminated.

On 10 May 2022, The Civil Court pronounced the judgment of the Court of Appeal in which the Court of Appeal modified the judgment by charging interest at a rate of 5 percent per annum pursuant to the judgment of the Court of First Instance from 11 April 2021 onwards until payment to the Plaintiff in full or by making an adjustment to decrease or increase the interest in accordance with the Royal Decree enacted under newly amended Section 7 of the Civil Procedure Code plus an increasing rate of 2 percent per annum but not exceeding the rate of 7.5 percent per annum as requested by the Plaintiff. Other than the amendment, the judgment of Court of Appeal shall govern. There is no court cost at the appellate level. The future court fee on entry of a complaint of Baht 100 baht shall be paid back to the defendant. The defendant shall be required to pay for the appellate fees on behalf of the plaintiff together with an attorney fee imposed at Baht 200,000.

The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgement of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 12 October 2022. The case is pending a judgement of the Supreme Court.

- 7) On 2 March 2017, the Department of Primary Industries and Mines, Ministry of Industry by the representation of the district attorney of the Office of the Attorney General (the "Plaintiff"), filed a complaint against the Company (the "Defendant") at the Civil Court, Environmental Law Department (the Black Case No. SorWor.1/2560) with the lawsuit amount of Baht 344,882,135.15 claiming that the Company partially engaged its mining activity in the area designated in the Prathanabat unlawfully requesting that the shale totaling 1,220,559.82 metric tons be returned to the area and the area be restored into its previous condition or to pay compensation together with the 7.5 percent per annum interest.

The Company plead in its statement of defense that the Plaintiff does not have any authority to file such lawsuit according to the Enhancement and Conservation of National Environmental Quality Act B.E. 2535, the lawsuit is vague, delusive without any evidence and is already time-barred by prescription period; further, the lawsuit is a civil claim in connection with criminal offence relating to unlawful mining activity, however, the Company has not committed any criminal offence and did not infringe any rights of the Plaintiff, thus, the civil claim does not exist due to non-existence of infringement, the Company has not committed any wrongdoing according to the complaint and is not liable to any claim, therefore, the Company denied all claims under the complaint. Additionally, the Company also has, in reserve pursuant to the Prathanabat, several hundred million tons of limestone and the said reserves, if not used before the expiration of the Prathanabat, would not be usable after the expiration date, therefore, the Defendant does not have any cause or necessity to the engage in mining activity outside the designated area.

On 13 December 2019, the Civil Court ordered the Company to return the shale for cement production industry totaling 1,220,559.82 metric tons back to the area where the mining activity was done and restore such area to the previous condition or pay the compensation consisting of the value of the shale and royalty fee to the government in the amount totaling Baht 326,499,751.86 together with 7.5 percent per annum interest calculating from the date of the violation (2 June 2016) until the date of the complaint filing (274 days) making the interest to be Baht 18,382,383.29. The total amount from combining the principal and interest, is the amount of Baht 344,882,135.15. The Court also ordered that the interest on the principal amount of Baht 326,499,751.86 in the rate of 7.5 percent per annum be paid counting from the day after the complaint filing date until the payment is made in full together with the court fees in behalf of the Plaintiff and attorney fee of Baht 200,000.

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The Company filed the appeal with the request for delay of judgement execution to Court on 5 June 2020. On 24 June 2021, the Civil Court pronounced the judgment of the Court of Appeal in which the Court of Appeal modified the judgment by charging interest at a rate of 5 percent per annum pursuant to the judgment of the Court of First Instance from 11 April 2021 onwards until payment to the Plaintiff in full or by making an adjustment to decrease or increase the interest in accordance with the Royal Decree enacted under newly amended Section 7 of the Civil Procedure Code plus an increasing rate of 2 percent per annum but not exceeding the rate of 7.5 percent per annum as requested by the Plaintiff. Other than the amendment, the judgment of Court of Appeal shall govern. There is no court cost at the appellate level.

The Company has applied for permission to lodge an appeal to the Supreme Court challenging the judgment of the Court of Appeal together with a stay of execution pending the appeal to the Supreme Court on 9 November 2021.

On 15 November 2022, the Civil Court made the announcement of the Supreme Court's order, whereby the Supreme Court allowed the Company to submit an appeal to the Supreme Court and accepted the said Company's appeal for consideration. The case is in a process of the public prosecutor preparing an answer to the said appeal and collecting the case file for submitting to the Supreme Court for consideration.

The complaint of this case described that the lawsuit is a civil claim in connection with the criminal offence for the part concerning the Department of Primary Industry and Mines' filling of report to the inquiry official requesting the inquiry official to commence the criminal proceeding against the Company for unlawful mining activity without permit; and the inquiry official issued the opinion that this case shall not be prosecuted and later on, the District Attorney also concurred and issued the final order that the criminal case will not be prosecuted against the Company, thus, the criminal case is final.

Incidentally, the information regarding cases 1) - 7) above are under the consideration of the court, the above cases are not final. The Company and the legal advisors hereby opines that based on the evidence and information the Company possesses, the Company did not commit any wrongful acts against the plaintiff as detailed in the complaints; the plaintiff claimed that the defendant committed wrongful action against the plaintiff, therefore, the plaintiff has the burden of proof to prove that the defendant had committed such act as the plaintiff claimed and since the plaintiff had not presented the evidences which show that in fact, the defendant had committed wrongful act against the plaintiff, the, the court could consider to dismiss the case. However, the judgment depends on the consideration and discretion of the court. As at 31 December 2022, the outcome of lawsuit is not yet final, the Company has not recorded a provision for liability of lawsuit in the financial statements.

- 8) On 16 December 2019, individuals in total of 222 people sued Energy Regulatory Commission (ERC) et al to the Central Administrative Court which a subsidiary was listed as the 5th Defendant. The Plaintiffs requested that the approval of Environmental and Health Impact Assessment (EHIA) report for the project of 150 megawatts thermal power plant, the license to operate electricity generating business and the construction approval of the subsidiary be revoked. The Plaintiffs also requested that the Court take evidence out of Court and issued an interim measure and ordering that the electricity generating system be temporarily stopped until the final decision is reached.

On 25 December 2019, the Court inquired both Parties in considering the request for interim measure and rendered its decision on 28 January 2020 denied the request for interim measure due to the lack of reason to believe that the license to operate electricity generating business of the subsidiary is unlawful.

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On 31 January 2020, the Court issued an order accepting the complaint and requesting the subsidiary to file the answer. The lawyer submitted the answer to Court on 1 July 2020.

On 7 December 2020, the Court sent the objection to the answer of the 5th Defendant and requested the subsidiary to submit additional answer to the Court within the prescribed period. The subsidiary submitted the additional answer to the Court on 12 March 2021, the case is under the Court consideration.

The subsidiary's legal consultant considered the complaint and its appendixes and hereby opines that the subsidiary lawfully and transparently received the license to operate the electricity generating business and the construction approval from the competent authorities, in accordance with the applicable laws and that the relevant public official have lawfully and honestly performed their duties without any conflict of interest in issuing the said license. The complaint of the Plaintiffs is untrue. As the case is in the preparation for answer, the subsidiary has causes to relieve itself of any liability generated from the complaint depending on the Central Administrative Court Decision. Moreover, the subsidiary has pressed charges against the 222 Plaintiffs to the Muak Lek police station, Saraburi, for taking the false information to charge the person in the Court. The case is under the investigation of the police.

For all above lawsuit, the Group's legal consultant opines that, based on the Company's evidences and information, the Company has a chance to defend itself in the court trial depending on the consideration of each courts.

39 Others

- 1) The subsidiary is a power company that produces electricity by turning community municipal solid waste to energy, which is clean and green energy. The subsidiary has participated in the Thailand Voluntary Emission Reduction Program, according to Thai standards, which is a waste management project ("T-VER"), with the Thailand Greenhouse Gas Management Organization ("TGO").

At the end of year 2021, the subsidiary registered with the TGO to apply for the reduction of greenhouse gases, which subsequently TGO has certified the reduction of greenhouse gases (carbon credit) for the subsidiary's project of 82,056 tons of carbon dioxide equivalent, and after sale of 34,690 tons of carbon dioxide equivalent, the subsidiary has the balance of 47,366 tons of carbon dioxide equivalent.

Subsequently, on 24 May 2022, TGO has certified the reduction of greenhouse gases (carbon credit) for the subsidiary's project for the period from 1 May 2017 to 31 December 2020, increased by 717,931 tons of carbon dioxide equivalent. As a result, the subsidiary has the balance of 765,297 tons of carbon dioxide equivalent.

In 2022, the subsidiary used approximately 2.73 million tons of all types of waste as fuel in the Company's power plants and Cement Plants of TPI Polene Public Company Limited, which can reduce greenhouse gas emissions or carbon reductions by approximately 6.34 million tons of carbon dioxide equivalent. The subsidiary is currently applying to TGO for approval for the reduction of greenhouse gases (carbon credit) for these new projects.

- 2) From December 2021 until the end of the year 2022, the Company has been granted limestone and shale concession for the manufacturing of cement industry from the Department of Primary Industries and Mines, Ministry of Industry, totaling 24 plots, with long-term concession period of 25 - 30 years for total areas of 6,375 Rai, with limestone and shale reserves of 388,017,000 tons and 43,043,400 tons, respectively, totaling 431,060,400 tons (average of 15.97 million tons per year).

TPI Polene Public Company Limited and its Subsidiaries
Notes to the financial statements
For the year ended 31 December 2022

40 Events after the reporting period

- 1) On 18 January 2023, the subsidiary issued the unsecured, unsubordinated debentures in registered form with debenture holders' representatives in the total amount of Baht 6,000 million, which was comprised of Tranche 1, with the maturity term of 3 years 6 months together with a fixed interest rate at 4.15% per annum, payable quarterly, in the amount of Baht 3,000 million and Tranche 2, with the maturity term of 5 years together with a fixed interest rate at 4.60% per annum, payable quarterly, in the amount of Baht 3,000 million.
- 2) At the Board of Director's meeting of the subsidiary held on 26 January 2023, the Board of Director's meeting passed a resolution to declare the interim dividend payment from retained earnings as of 30 September 2022, in amount of Baht 0.09 per share for the Baht 8,400 million common shares, amounting to Baht 756 million and the dividend payment is scheduled on 23 February 2023.

41 Adjustment of accounts

Other current financial assets disclosed in the consolidated financial statements as at 31 December 2021 have been adjusted to conform with the remaining period and the objective of the subsidiary's business model.

Consolidated financial statements			
31 December 2021			
	Before adjustment	Adjustment <i>(in thousand Baht)</i>	After adjustment
<i>Statement of financial position</i>			
Other current financial assets	6,480,787	(485,341)	5,995,446
Other non-current financial assets	34,978	485,341	520,319
		-	