

**PTT Global Chemical Public Company Limited  
and its Subsidiaries**

Interim financial statements  
for the three-month and six-month periods ended  
30 June 2017

and

Independent auditor's report on review of interim financial  
information

## **Independent Auditor’s Report on Review of Interim Financial Information**

### **To the Board of Directors of PTT Global Chemical Public Company Limited**

I have reviewed the accompanying consolidated and separate statements of financial position of PTT Global Chemical Public Company Limited and its subsidiaries, and of PTT Global Chemical Public Company Limited, respectively, as at 30 June 2017; the consolidated and separate statements of income, comprehensive income for the three-month and six-month periods ended 30 June 2017, changes in equity and cash flows for the six-month period ended 30 June 2017; and condensed notes (“interim financial information”). Management is responsible for the preparation and presentation of this interim financial information in accordance with Thai Accounting Standard 34, “Interim Financial Reporting”. My responsibility is to express a conclusion on this interim financial information based on my review.

#### *Scope of Review*

I conducted my review in accordance with the Thai Standard on Review Engagements 2410, “Review of Interim Financial Information Performed by the Independent Auditor of the Entity”. A review of interim financial information consists of making inquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Thai Standards on Auditing and consequently does not enable me to obtain assurance that I would become aware of all significant matters that might be identified in an audit. Accordingly, I do not express an audit opinion.

#### *Conclusion*

Based on my review, nothing has come to my attention that causes me to believe that the accompanying interim financial information is not prepared, in all material respects, in accordance with Thai Accounting Standard 34, “Interim Financial Reporting”.

(Charoen Phosamritlert)  
Certified Public Accountant  
Registration No. 4068

KPMG Phoomchai Audit Ltd.  
Bangkok  
9 August 2017

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Statement of financial position

	Note	Consolidated financial statements		Separate financial statements	
		30 June 2017 (Unaudited)	31 December 2016	30 June 2017 (Unaudited)	31 December 2016
<i>(in Baht)</i>					
<b>Assets</b>					
<b>Current assets</b>					
Cash and cash equivalents		39,048,907,504	31,143,384,207	33,327,415,982	27,949,661,787
Current investments	7	16,562,388,258	14,168,554,037	13,494,985,869	13,195,207,881
Trade accounts receivable	3, 4	30,849,507,847	40,982,613,321	23,505,131,711	34,318,805,032
Other receivables	3	2,720,020,010	3,551,258,902	2,010,243,922	2,974,132,762
Inventories		37,455,235,177	35,753,675,748	28,265,573,438	26,259,815,101
Short-term loans to related parties	3	-	-	505,000,000	655,000,000
Receivable from Oil Fuel Fund		343,385,990	13,428,346	343,385,990	13,428,346
Value-added tax receivable		651,935,150	713,959,743	45,212,604	-
Derivatives	16	121,157,832	57,755,829	112,797,244	52,591,637
Other current assets		826,001,674	1,128,843,780	663,992,104	879,118,257
<b>Total current assets</b>		<b>128,578,539,442</b>	<b>127,513,473,913</b>	<b>102,273,738,864</b>	<b>106,297,760,803</b>
<b>Non-current assets</b>					
Investments in subsidiaries	3, 5	-	-	58,078,926,686	54,343,205,600
Investments in joint ventures	3, 6	10,235,106,824	10,297,828,778	942,840,400	942,840,400
Investments in associates	3, 6	13,427,141,834	13,026,186,055	9,322,699,660	9,322,699,660
Other long-term investments	7	6,656,085,601	5,886,683,107	6,373,209,084	5,603,806,590
Long-term loans to other parties		696,772,568	734,690,566	-	-
Property, plant and equipment	8	218,894,933,545	221,514,174,171	168,183,369,375	170,166,576,127
Land leasehold right		343,256,522	362,329,692	343,145,869	362,045,490
Goodwill		931,328,672	931,328,672	-	-
Intangible assets		8,096,267,619	8,130,575,418	5,321,125,478	5,232,936,789
Deferred tax assets		292,028,646	306,067,907	-	-
Other non-current assets		6,357,270,795	4,462,864,808	4,674,414,182	2,988,805,642
<b>Total non-current assets</b>		<b>265,930,192,626</b>	<b>265,652,729,174</b>	<b>253,239,730,734</b>	<b>248,962,916,298</b>
<b>Total assets</b>		<b>394,508,732,068</b>	<b>393,166,203,087</b>	<b>355,513,469,598</b>	<b>355,260,677,101</b>

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

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Statement of financial position

		Consolidated financial statements		Separate financial statements	
		30 June 2017 (Unaudited)	31 December 2016	30 June 2017 (Unaudited)	31 December 2016
<i>(in Baht)</i>					
<b>Liabilities and shareholders' equity</b>					
<b>Current liabilities</b>					
Short-term borrowings from financial institutions		632,665,920	562,609,893	-	-
Trade accounts payable	3, 9	22,317,059,654	27,727,469,853	19,015,028,739	23,885,752,801
Other payables	3, 10	7,476,375,793	9,904,921,375	5,351,889,252	7,816,954,585
Payables to contractors	3	1,687,835,054	1,909,117,797	1,758,072,066	1,842,693,528
Short-term borrowings from related parties	3	-	-	1,822,705,452	1,513,795,970
Current portion of long-term borrowings					
from financial institutions		7,840,064,497	7,091,451,997	5,611,366,000	4,948,450,000
Current portion of long-term borrowings					
from other parties		705,173,835	746,906,105	-	-
Current portion of debentures		2,799,617,339	2,798,938,302	2,799,617,339	2,798,938,302
Income tax payable		1,592,893,782	1,873,402,849	1,389,252,736	1,670,555,166
Derivatives	16	213,676,336	166,696,998	182,433,756	155,250,926
Current provisions		167,603,924	456,694,976	-	-
Other current liabilities		22,250,994	29,392,511	-	-
<b>Total current liabilities</b>		<b>45,455,217,128</b>	<b>53,267,602,656</b>	<b>37,930,365,340</b>	<b>44,632,391,278</b>
<b>Non-current liabilities</b>					
Long-term borrowings from financial institutions		33,577,927,118	35,988,091,066	16,554,615,000	19,471,550,000
Long-term borrowings from other parties		1,156,772,141	1,168,372,202	-	-
Debentures		45,945,660,443	47,786,239,921	45,945,660,443	47,786,239,921
Deferred tax liabilities		2,178,109,784	2,238,629,584	1,765,040,587	1,807,050,827
Non-current provisions for employee benefits		3,142,673,217	3,067,176,745	2,169,041,897	2,113,277,613
Derivatives	16	41,255,586	23,629,844	41,255,586	23,629,844
Other non-current provisions		450,264,924	458,380,989	-	-
Other non-current liabilities		438,056,383	499,321,107	296,006,279	351,987,162
<b>Total non-current liabilities</b>		<b>86,930,719,596</b>	<b>91,229,841,458</b>	<b>66,771,619,792</b>	<b>71,553,735,367</b>
<b>Total liabilities</b>		<b>132,385,936,724</b>	<b>144,497,444,114</b>	<b>104,701,985,132</b>	<b>116,186,126,645</b>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of financial position**

	Consolidated financial statements		Separate financial statements	
	30 June 2017 (Unaudited)	31 December 2016	30 June 2017 (Unaudited)	31 December 2016
<i>(in Baht)</i>				
<b>Liabilities and shareholders' equity</b>				
<i>Shareholders' equity</i>				
Share capital				
Authorised share capital	45,088,491,170	45,088,491,170	45,088,491,170	45,088,491,170
Issued and paid-up share capital	45,088,491,170	45,088,491,170	45,088,491,170	45,088,491,170
Treasury shares	11 (2,409,544,289)	(2,409,544,289)	(2,409,544,289)	(2,409,544,289)
Share premium	36,936,829,684	36,936,829,684	36,936,829,684	36,936,829,684
Share premium on treasury shares	11 7,490,764	7,490,764	7,490,764	7,490,764
Difference arising from business combination				
under common control	(1,658,035,683)	(1,658,035,683)	480,500,000	480,500,000
Retained earnings				
Appropriated				
Legal reserve	4,512,930,269	4,512,930,269	4,512,930,269	4,512,930,269
Loan repayment reserve	807,802,564	807,802,564	807,802,564	807,802,564
Projects expansion reserve	12,446,994,126	12,446,994,126	12,446,994,126	12,446,994,126
Treasury shares reserve	11 2,409,544,289	2,409,544,289	2,409,544,289	2,409,544,289
Unappropriated	158,413,133,182	147,220,167,889	150,647,153,020	138,850,652,172
Other components of shareholders' equity	314,577,571	653,078,970	(116,707,131)	(57,140,293)
<b>Equity attributable to owners of the parent</b>	<b>256,870,213,647</b>	<b>246,015,749,753</b>	<b>250,811,484,466</b>	<b>239,074,550,456</b>
Non-controlling interests	5,252,581,697	2,653,009,220	-	-
<b>Total shareholders' equity</b>	<b>262,122,795,344</b>	<b>248,668,758,973</b>	<b>250,811,484,466</b>	<b>239,074,550,456</b>
<b>Total liabilities and shareholders' equity</b>	<b>394,508,732,068</b>	<b>393,166,203,087</b>	<b>355,513,469,598</b>	<b>355,260,677,101</b>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of income (Unaudited)**

	Note	Consolidated financial statements		Separate financial statements	
		Three-month period ended 30 June		Three-month period ended 30 June	
		2017	2016	2017	2016
<i>(in Baht)</i>					
Revenues from sale of goods and rendering of services	3	101,659,956,186	66,384,923,402	89,531,800,753	56,362,819,689
Cost of sale of goods and rendering of services	3	<u>(92,419,592,173)</u>	<u>(58,061,825,819)</u>	<u>(81,877,978,407)</u>	<u>(48,903,715,410)</u>
<b>Gross profit</b>		<b>9,240,364,013</b>	<b>8,323,097,583</b>	<b>7,653,822,346</b>	<b>7,459,104,279</b>
Investment income	3	234,865,353	234,904,033	1,697,420,961	1,273,433,382
Other income	3	408,016,407	282,805,175	477,774,423	294,962,620
Selling and distribution expenses	3	(618,914,196)	(405,938,268)	(418,353,113)	(253,403,691)
Administrative expenses	3	(2,267,880,641)	(2,239,418,032)	(1,648,628,771)	(1,590,545,810)
Net derivative gain		154,917,304	151,614,366	139,582,594	138,121,257
Net foreign exchange gain (loss)		135,147,762	(49,945,326)	272,254,377	(101,421,134)
Finance costs	3	(972,517,386)	(1,067,573,420)	(765,941,976)	(924,061,794)
Share of loss of investments in joint ventures		(10,927,854)	(171,301,298)	-	-
Share of profit of investments in associates		360,268,281	224,338,697	-	-
<b>Profit before income tax expense</b>		<b>6,663,339,043</b>	<b>5,282,583,510</b>	<b>7,407,930,841</b>	<b>6,296,189,109</b>
Tax income (expense)		33,148,003	(379,590,433)	62,914,362	(292,892,510)
<b>Profit for the period</b>		<b><u>6,696,487,046</u></b>	<b><u>4,902,993,077</u></b>	<b><u>7,470,845,203</u></b>	<b><u>6,003,296,599</u></b>
<b>Profit attributable to:</b>					
Owners of the parent		6,603,142,433	4,924,399,084	7,470,845,203	6,003,296,599
Non-controlling interests		<u>93,344,613</u>	<u>(21,406,007)</u>	-	-
<b>Profit for the period</b>		<b><u>6,696,487,046</u></b>	<b><u>4,902,993,077</u></b>	<b><u>7,470,845,203</u></b>	<b><u>6,003,296,599</u></b>
<b>Basic earnings per share</b>	14	<b><u>1.48</u></b>	<b><u>1.10</u></b>	<b><u>1.67</u></b>	<b><u>1.35</u></b>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of comprehensive income (Unaudited)**

	Consolidated financial statements		Separate financial statements	
	Three-month period ended 30 June		Three-month period ended 30 June	
	2017	2016	2017	2016
	<i>(in Baht)</i>			
<b>Profit for the period</b>	<b>6,696,487,046</b>	<b>4,902,993,077</b>	<b>7,470,845,203</b>	<b>6,003,296,599</b>
<b>Other comprehensive income (loss)</b>				
<i>Components of other comprehensive income that will be reclassified to profit or loss</i>				
Exchange differences on translating financial statements	125,121,814	(149,820,331)	-	-
Gains on remeasurement investments held as available for sale	21,331,889	-	21,331,889	-
Gains (losses) on cash flow hedges	(19,286,932)	(1,170,650)	(17,682,787)	1,336,224
Share of other comprehensive income (loss) of joint ventures	(5,013,081)	46,741,277	-	-
Share of other comprehensive income (loss) of associates	(6,728,215)	4,740,481	-	-
<b>Total components of other comprehensive income that will be reclassified to profit or loss</b>	<b>115,425,475</b>	<b>(99,509,223)</b>	<b>3,649,102</b>	<b>1,336,224</b>
<i>Components of other comprehensive income that will not be reclassified to profit or loss</i>				
Share of other comprehensive income (loss) of associates	(468,912)	1,812,189	-	-
<b>Total components of other comprehensive income that will not be reclassified to profit or loss</b>	<b>(468,912)</b>	<b>1,812,189</b>	<b>-</b>	<b>-</b>
<b>Other comprehensive income (loss) for the period, net of tax</b>	<b>114,956,563</b>	<b>(97,697,034)</b>	<b>3,649,102</b>	<b>1,336,224</b>
<b>Total comprehensive income for the period</b>	<b>6,811,443,609</b>	<b>4,805,296,043</b>	<b>7,474,494,305</b>	<b>6,004,632,823</b>
<b>Total comprehensive income (loss) attributable to:</b>				
Owners of parent	6,684,302,171	4,848,041,667	7,474,494,305	6,004,632,823
Non-controlling interests	127,141,438	(42,745,624)	-	-
<b>Total comprehensive income for the period</b>	<b>6,811,443,609</b>	<b>4,805,296,043</b>	<b>7,474,494,305</b>	<b>6,004,632,823</b>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of income (Unaudited)**

	Note	Consolidated financial statements		Separate financial statements	
		Six-month period ended 30 June		Six-month period ended 30 June	
		2017	2016	2017	2016
<i>(in Baht)</i>					
Revenues from sale of goods and rendering of services	3	209,702,338,696	147,857,831,447	185,263,199,010	127,964,765,629
Cost of sale of goods and rendering of services	3	<u>(184,164,764,161)</u>	<u>(131,916,861,596)</u>	<u>(163,400,639,478)</u>	<u>(113,679,013,732)</u>
<b>Gross profit</b>		<b>25,537,574,535</b>	<b>15,940,969,851</b>	<b>21,862,559,532</b>	<b>14,285,751,897</b>
Investment income	3	433,095,603	502,996,734	2,270,394,607	1,963,742,748
Other income	3	638,500,668	551,931,509	801,067,977	670,124,307
Selling and distribution expenses	3	(1,199,513,865)	(692,012,687)	(848,250,542)	(423,198,321)
Administrative expenses	3	(4,642,197,310)	(4,509,348,837)	(3,262,466,770)	(3,212,866,413)
Net derivative gain		1,040,071,467	135,670,411	965,777,424	113,958,303
Net foreign exchange gain		789,642,267	641,058,826	952,784,772	632,058,142
Finance costs	3	(1,973,713,228)	(2,157,872,216)	(1,554,207,133)	(1,887,285,454)
Share of profit (loss) of investments in joint ventures	6	145,022,832	(275,814,234)	-	-
Share of profit of investments in associates	6	<u>741,847,835</u>	<u>507,085,093</u>	<u>-</u>	<u>-</u>
<b>Profit before income tax expense</b>		<b>21,510,330,804</b>	<b>10,644,664,450</b>	<b>21,187,659,867</b>	<b>12,142,285,209</b>
Tax expense	13	<u>(1,563,739,708)</u>	<u>(1,002,673,511)</u>	<u>(1,361,747,090)</u>	<u>(860,228,170)</u>
<b>Profit for the period</b>		<b><u>19,946,591,096</u></b>	<b><u>9,641,990,939</u></b>	<b><u>19,825,912,777</u></b>	<b><u>11,282,057,039</u></b>
<b>Profit attributable to:</b>					
Owners of the Company		19,784,895,350	9,631,537,639	19,825,912,777	11,282,057,039
Non-controlling interests		<u>161,695,746</u>	<u>10,453,300</u>	<u>-</u>	<u>-</u>
<b>Profit for the period</b>		<b><u>19,946,591,096</u></b>	<b><u>9,641,990,939</u></b>	<b><u>19,825,912,777</u></b>	<b><u>11,282,057,039</u></b>
<b>Basic earnings per share</b>	14	<b><u>4.44</u></b>	<b><u>2.16</u></b>	<b><u>4.44</u></b>	<b><u>2.53</u></b>

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



**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Statement of comprehensive income (Unaudited)**

	Consolidated financial statements		Separate financial statements		
	Six-month period ended 30 June		Six-month period ended 30 June		
	Note	2017	2016	2017	2016
			<i>(in Baht)</i>		
<b>Profit for the period</b>		<b>19,946,591,096</b>	<b>9,641,990,939</b>	<b>19,825,912,777</b>	<b>11,282,057,039</b>
<b>Other comprehensive income (loss)</b>					
<i>Components of other comprehensive income that will be reclassified to profit or loss</i>					
Exchange differences on translating financial statements		(257,872,165)	(220,173,659)	-	-
Gains on remeasurement investments held as available for sale		45,300,921	-	45,300,921	-
Losses on cash flow hedges		(106,471,904)	(120,357,162)	(104,867,759)	(103,112,204)
Share of other comprehensive income (loss) of joint ventures	6	(10,939,978)	(173,090,677)	-	-
Share of other comprehensive income (loss) of associates	6	16,585,268	(18,170,109)	-	-
<b>Total components of other comprehensive income that will be reclassified to profit or loss</b>		<b>(313,397,858)</b>	<b>(531,791,607)</b>	<b>(59,566,838)</b>	<b>(103,112,204)</b>
<i>Components of other comprehensive income that will not be reclassified to profit or loss</i>					
Share of other comprehensive income (loss) of joint ventures	6	(404,808)	-	-	-
Share of other comprehensive income (loss) of investments in associates	6	(8,086,705)	3,652,519	-	-
<b>Total components of other comprehensive income that will not be reclassified to profit or loss</b>		<b>(8,491,513)</b>	<b>3,652,519</b>	<b>-</b>	<b>-</b>
<b>Other comprehensive income (loss) for the period, net of income tax</b>		<b>(321,889,371)</b>	<b>(528,139,088)</b>	<b>(59,566,838)</b>	<b>(103,112,204)</b>
<b>Total comprehensive income for the period</b>		<b>19,624,701,725</b>	<b>9,113,851,851</b>	<b>19,766,345,939</b>	<b>11,178,944,835</b>
<b>Total comprehensive income (loss) attributable to:</b>					
Owners of parent		19,452,697,414	9,120,008,615	19,766,345,939	11,178,944,835
Non-controlling interests		172,004,311	(6,156,764)	-	-
<b>Total comprehensive income for the period</b>		<b>19,624,701,725</b>	<b>9,113,851,851</b>	<b>19,766,345,939</b>	<b>11,178,944,835</b>

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

PTT Global Chemical Public Company Limited and its Subsidiaries

Statement of changes in equity (Unaudited)

		Consolidated financial statements																
		Retained earnings								Other components of shareholders' equity								
		Issued and paid		Share premium	Difference arising from business combination under common control	Legal reserve	Loans repayment reserve	Projects expansion reserve	Treasury shares reserve	Unappropriated (in Baht)	Exchange difference on translating financial statements	Gain (losses) on cash flow hedges	Share of other comprehensive income (loss) of joint ventures	Share of other comprehensive income (loss) of associates	Total other components of shareholder's equity	Equity attributable to owners of parent	Non-controlling interests	Total shareholder's equity
Note	share capital	Treasury shares	Treasury shares															
<b>Six-month period ended 30 June 2016</b>																		
<b>Balance at 1 January 2016</b>		<b>45,088,491,170</b>	<b>(2,104,534,625)</b>	<b>36,936,829,684</b>	<b>(1,658,035,683)</b>	<b>4,512,930,269</b>	<b>807,802,564</b>	<b>12,446,994,126</b>	<b>2,104,534,625</b>	<b>132,503,486,704</b>	<b>322,235,753</b>	<b>49,621,108</b>	<b>581,280,169</b>	<b>(40,086,486)</b>	<b>913,050,544</b>	<b>231,551,549,378</b>	<b>2,713,211,862</b>	<b>234,264,761,240</b>
<b>Transactions with owners, recorded directly in equity</b>																		
<i>Contributions by and distributions to owner of the parent</i>																		
	Treasury shares purchased	11	-	(330,081,400)	-	-	-	-	330,081,400	(330,081,400)	-	-	-	-	-	(330,081,400)	-	(330,081,400)
	Dividends to owners of the Company	15	-	-	-	-	-	-	-	(5,798,141,109)	-	-	-	-	-	(5,798,141,109)	(147,000,000)	(5,945,141,109)
<b>Total contributions by and distributions to owners of the parent</b>			<b>-</b>	<b>(330,081,400)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>330,081,400</b>	<b>(6,128,222,509)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(6,128,222,509)</b>	<b>(147,000,000)</b>	<b>(6,275,222,509)</b>
<i>Changes in ownership interests in subsidiaries</i>																		
	Increase investment in subsidiaries	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99,971,190	99,971,190
<b>Total changes in ownership interests in subsidiaries</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>99,971,190</b>	<b>99,971,190</b>
<b>Total transactions with owners, recorded directly in equity</b>			<b>-</b>	<b>(330,081,400)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>330,081,400</b>	<b>(6,128,222,509)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(6,128,222,509)</b>	<b>(47,028,810)</b>	<b>(6,175,251,319)</b>
<b>Comprehensive income (loss) for the period</b>																		
	Profit		-	-	-	-	-	-	-	9,631,537,639	-	-	-	-	-	9,631,537,639	10,453,300	9,641,990,939
	Other comprehensive income (loss)		-	-	-	-	-	-	-	3,652,519	(203,563,595)	(120,357,162)	(173,090,677)	(18,170,109)	(515,181,543)	(511,529,024)	(16,610,064)	(528,139,088)
<b>Total comprehensive income (loss) for the period</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,635,190,158</b>	<b>(203,563,595)</b>	<b>(120,357,162)</b>	<b>(173,090,677)</b>	<b>(18,170,109)</b>	<b>(515,181,543)</b>	<b>9,120,008,615</b>	<b>(6,156,764)</b>	<b>9,113,851,851</b>
<b>Balance at 30 June 2016</b>		<b>45,088,491,170</b>	<b>(2,434,616,025)</b>	<b>36,936,829,684</b>	<b>(1,658,035,683)</b>	<b>4,512,930,269</b>	<b>807,802,564</b>	<b>12,446,994,126</b>	<b>2,434,616,025</b>	<b>136,010,454,353</b>	<b>118,672,158</b>	<b>(70,736,054)</b>	<b>408,189,492</b>	<b>(58,256,595)</b>	<b>397,869,001</b>	<b>234,543,335,484</b>	<b>2,660,026,288</b>	<b>237,203,361,772</b>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Statement of changes in equity (Unaudited)**

	Consolidated financial statements																			
	Retained earnings										Other components of shareholders' equity									
	Issued and paid share capital	Treasury shares	Share premium	Share premium on treasury shares	Difference arising from business combination under common control	Legal reserve	Loans repayment reserve	Projects expansion reserve	Treasury shares reserve	Unappropriated (in Baht)	Exchange difference on translating financial statement	Gain (losses) on remeasurement investment held as available for sale	Gain (losses) on cash flow hedges	Share of other comprehensive income (loss) of joint ventures	Share of other comprehensive income (loss) of associates	Total other components of shareholder's equity	Equity attributable to owners of parent	Non-controlling interests	Total shareholder's equity	
<b>Six-month period ended 30 June 2017</b>																				
<b>Balance at 1 January 2017</b>	45,088,491,170	(2,409,544,289)	36,936,829,684	7,490,764	(1,658,035,683)	4,512,930,269	807,802,564	12,446,994,126	2,409,544,289	147,220,167,889	81,276,513	(20,398,751)	(36,741,542)	649,287,065	(20,344,315)	653,078,970	246,015,749,753	2,653,009,220	248,668,758,973	
<b>Transactions with owners, recorded directly in equity</b>																				
<i>Contributions by and distributions to owner of the parent</i>																				
Dividends to owner of the Company	15	-	-	-	-	-	-	-	-	(8,029,411,929)	-	-	-	-	-	-	(8,029,411,929)	(252,791,000)	(8,282,202,929)	
<i>Total contributions by and distributions to owners of the parent</i>		-	-	-	-	-	-	-	-	(8,029,411,929)	-	-	-	-	-	-	(8,029,411,929)	(252,791,000)	(8,282,202,929)	
<i>Changes in ownership interests in subsidiaries</i>																				
Increase investment in subsidiaries	5	-	-	-	-	-	-	-	-	(582,931,911)	(14,794,976)	-	-	-	-	(14,794,976)	(597,726,887)	(346,469,449)	(944,196,336)	
Acquisition of non-controlling interests without a change in control	5	-	-	-	-	-	-	-	-	28,905,296	-	-	-	-	-	-	28,905,296	3,026,828,615	3,055,733,911	
<i>Total changes in ownership interests in subsidiaries</i>		-	-	-	-	-	-	-	-	(554,026,615)	(14,794,976)	-	-	-	-	(14,794,976)	(568,821,591)	2,680,359,166	2,111,537,575	
<b>Total transactions with owners, recorded directly in equity</b>		-	-	-	-	-	-	-	-	(8,583,438,544)	(14,794,976)	-	-	-	-	(14,794,976)	(8,598,233,520)	2,427,568,166	(6,170,665,354)	
<b>Comprehensive income (loss) for the period</b>																				
Profit		-	-	-	-	-	-	-	-	19,784,895,350	-	-	-	-	-	-	19,784,895,350	161,695,746	19,946,591,096	
Other comprehensive income (loss)		-	-	-	-	-	-	-	-	(8,491,513)	(268,180,730)	45,300,921	(106,471,904)	(10,939,978)	16,585,268	(323,706,423)	(332,197,936)	10,308,565	(321,889,371)	
<b>Total comprehensive income (loss) for the period</b>		-	-	-	-	-	-	-	-	19,776,403,837	(268,180,730)	45,300,921	(106,471,904)	(10,939,978)	16,585,268	(323,706,423)	19,452,697,414	172,004,311	19,624,701,725	
<b>Balance at 30 June 2017</b>		45,088,491,170	(2,409,544,289)	36,936,829,684	7,490,764	(1,658,035,683)	4,512,930,269	807,802,564	12,446,994,126	2,409,544,289	158,413,133,182	(201,699,193)	24,902,170	(143,213,446)	638,347,087	(3,759,047)	314,577,571	256,870,213,647	5,252,581,697	262,122,795,344

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of changes in equity (Unaudited)**

Note	Separate financial statements										Total shareholder's equity	
	Issued and paid share capital	Treasury shares	Share premium	Difference arising from business combination under common control	Retained earnings				Other components of shareholders' equity			
					Legal reserve	Loans repayment reserve <i>(in Baht)</i>	Projects expansion reserve	Treasury shares reserve	Unappropriated	Gain (losses) on cash flow hedges		
<b>Six-month period ended 30 June 2016</b>												
<b>Balance at 1 January 2016</b>	<b>45,088,491,170</b>	<b>(2,104,534,625)</b>	<b>36,936,829,684</b>	<b>-</b>	<b>4,512,930,269</b>	<b>807,802,564</b>	<b>12,446,994,126</b>	<b>2,104,534,625</b>	<b>125,816,128,292</b>	<b>-</b>	<b>225,609,176,105</b>	
<b>Transactions with owners, recorded directly in equity</b>												
<i>Contributions by and distributions to owners of the Company</i>												
Treasury shares purchased	11	-	(330,081,400)	-	-	-	-	330,081,400	(330,081,400)	-	(330,081,400)	
Dividends to owners of the Company	15	-	-	-	-	-	-	-	(5,798,141,109)	-	(5,798,141,109)	
<b>Total contributions by and distributions to owners of the Company</b>		<b>-</b>	<b>(330,081,400)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>330,081,400</b>	<b>(6,128,222,509)</b>	<b>-</b>	<b>(6,128,222,509)</b>	
<i>Changes in interests from business restructuring</i>												
Impact of business restructuring	6	-	-	-	480,500,000	-	-	-	-	-	480,500,000	
<b>Total changes in interests from business restructuring</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>480,500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>480,500,000</b>	
<b>Total transactions with owners, recorded directly in equity</b>		<b>-</b>	<b>(330,081,400)</b>	<b>-</b>	<b>480,500,000</b>	<b>-</b>	<b>-</b>	<b>330,081,400</b>	<b>(6,128,222,509)</b>	<b>-</b>	<b>(5,647,722,509)</b>	
<b>Comprehensive income (loss) for the period</b>												
Profit		-	-	-	-	-	-	-	11,282,057,039	-	11,282,057,039	
Other comprehensive income (loss)		-	-	-	-	-	-	-	-	(103,112,204)	(103,112,204)	
<b>Total comprehensive income (loss) for the period</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11,282,057,039</b>	<b>(103,112,204)</b>	<b>11,178,944,835</b>	
<b>Balance at 30 June 2016</b>		<b>45,088,491,170</b>	<b>(2,434,616,025)</b>	<b>36,936,829,684</b>	<b>480,500,000</b>	<b>4,512,930,269</b>	<b>807,802,564</b>	<b>12,446,994,126</b>	<b>2,434,616,025</b>	<b>130,969,962,822</b>	<b>(103,112,204)</b>	<b>231,140,398,431</b>

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

PTT Global Chemical Public Company Limited and its Subsidiaries

Statement of changes in equity (Unaudited)

Note	Separate financial statements													Total
	Retained earnings							Other components of shareholders' equity						
	Issued and paid		Share	Share	Difference arising	Legal reserve	Loans	Projects	Treasury	Gain (losses) on	Gain (losses) on	Total other		
share capital	Treasury shares	premium	premium on	from business		repayment	expansion	shares	remeasurement	cash flow	components of	shareholder's equity	shareholder's equity	
			treasury shares	combination under	common control		reserve	reserve	reserve	Unappropriated	investment held as	hedges	shareholder's equity	shareholder's equity
											available for sale			
<b>Six-month period ended 30 June 2017</b>														
Balance at 1 January 2017	45,088,491,170	(2,409,544,289)	36,936,829,684	7,490,764	480,500,000	4,512,930,269	807,802,564	12,446,994,126	2,409,544,289	138,850,652,172	(20,398,751)	(36,741,542)	(57,140,293)	239,074,550,456
<b>Transactions with owners, recorded directly in equity</b>														
<i>Contributions by and distributions to owners of the Company</i>														
Dividends to owners of the Company	-	-	-	-	-	-	-	-	-	(8,029,411,929)	-	-	-	(8,029,411,929)
<i>Total contributions by and distributions to owners of the Company</i>	-	-	-	-	-	-	-	-	-	(8,029,411,929)	-	-	-	(8,029,411,929)
<b>Total transactions with owners, recorded directly in equity</b>	-	-	-	-	-	-	-	-	-	(8,029,411,929)	-	-	-	(8,029,411,929)
<b>Comprehensive income (loss) for the period</b>														
Profit	-	-	-	-	-	-	-	-	-	19,825,912,777	-	-	-	19,825,912,777
Other comprehensive income (loss)	-	-	-	-	-	-	-	-	-	-	45,300,921	(104,867,759)	(59,566,838)	(59,566,838)
<b>Total comprehensive income (loss) for the period</b>	-	-	-	-	-	-	-	-	-	19,825,912,777	45,300,921	(104,867,759)	(59,566,838)	19,766,345,939
Balance at 30 June 2017	45,088,491,170	(2,409,544,289)	36,936,829,684	7,490,764	480,500,000	4,512,930,269	807,802,564	12,446,994,126	2,409,544,289	150,647,153,020	24,902,170	(141,609,301)	(116,707,131)	250,811,484,466

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of cash flows (Unaudited)**

	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	Six-month period ended 30 June		Six-month period ended 30 June	
	2017	2016	2017	2016
	<i>(in Baht)</i>			
<b><i>Cash flows from operating activities</i></b>				
Profit for the period	19,946,591,096	9,641,990,939	19,825,912,777	11,282,057,039
<i>Adjustments for</i>				
Depreciation and amortisation	9,849,332,343	8,272,436,137	7,359,192,192	6,303,095,832
Investment income	(433,095,603)	(502,996,734)	(2,270,394,607)	(1,963,742,748)
Finance costs	1,973,713,228	2,157,872,216	1,554,207,133	1,887,285,454
Unrealised gain on derivative	(101,060,071)	(105,553,081)	(116,059,379)	(104,436,261)
Unrealised gain on exchange	(1,739,303,419)	(544,068,991)	(1,822,935,637)	(532,858,802)
Reversal of bad and doubtful debt expenses	(2,173,232)	(1,204,558)	-	-
Loss from written-off of assets	9,499,068	180,702	13,686,131	180,702
Reversal of losses on inventories devaluation	(11,984,917)	(251,999,578)	-	(166,261,618)
(Reversal of) losses on impairment of assets	-	(45,269,340)	-	8,918,300
Loss on disposal of property, plant and equipment	201,269,339	19,082,921	84,747,505	19,181,268
Provision for employee benefits	158,328,484	153,807,453	110,507,572	106,365,028
Realised deferred pipeline income and equipment and other income	(2,585,369)	(2,166,477)	(3,231,461)	(2,873,404)
Share of (profit) loss of investments in joint ventures, net of tax expense	(145,022,832)	275,814,234	-	-
Share of profit of investments in associates, net of tax expense	(741,847,835)	(507,085,093)	-	-
Tax expense	1,563,739,708	1,002,673,511	1,361,747,090	860,228,170
	<u>30,525,399,988</u>	<u>19,563,514,261</u>	<u>26,097,379,316</u>	<u>17,697,138,960</u>

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

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Statement of cash flows (Unaudited)**

	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	Six-month period ended 30 June		Six-month period ended 30 June	
	2017	2016	2017	2016
	<i>(in Baht)</i>			
<b><i>Cash flows from operating activities (continue)</i></b>				
<i>Changes in operating assets and liabilities</i>				
Trade accounts receivable	10,139,659,513	11,719,688,390	10,800,207,627	11,659,804,829
Other receivables	897,386,814	3,687,136,279	944,375,843	3,811,334,837
Inventories	(1,617,821,532)	(4,170,100,727)	(2,019,444,468)	(4,212,151,918)
Value-added tax receivable	(321,239,987)	94,729,414	(444,108,513)	-
Other current assets	(147,867,625)	123,200,008	(114,882,108)	190,426,516
Other non-current assets	39,465,304	(168,849,714)	1,052,958	(131,639,485)
Trade accounts payable	(5,454,933,271)	(1,124,017,935)	(4,867,620,820)	(857,025,230)
Other payables	(2,031,155,179)	(1,089,571,045)	(2,072,435,034)	(1,111,946,168)
Current provisions	(68,077,424)	(174,531,136)	-	-
Other current liabilities	(7,117,351)	2,574,620	-	-
Non-current provisions for employee benefits	(101,358,546)	(66,033,561)	(54,743,288)	(38,616,845)
Other non-current provisions	(20,711,642)	120,229,928	-	-
Other non-current liabilities	(32,897,933)	(209,181)	(30,644,414)	794,153
Net cash generated from operating	31,798,731,129	28,517,759,601	28,239,137,099	27,008,119,649
Taxes paid	(1,910,950,426)	(797,358,872)	(1,685,059,759)	(590,769,346)
<b>Net cash from operating activities</b>	<b>29,887,780,703</b>	<b>27,720,400,729</b>	<b>26,554,077,340</b>	<b>26,417,350,303</b>
<b><i>Cash flows from investing activities</i></b>				
Interest received	415,070,929	654,165,543	394,504,859	638,684,371
Dividends received	537,418,316	577,861,359	1,828,027,316	1,454,011,359
Acquisition of property, plant and equipment	(6,647,832,522)	(9,763,229,968)	(4,831,918,293)	(4,797,376,875)
Proceeds from sale of property, plant and equipment	3,963,905	4,776,169	1,300,865	4,776,169
Acquisition of intangible assets	(316,716,173)	(222,550,222)	(300,008,481)	(194,638,896)
Acquisition of other non-current assets	(2,555,567,792)	(835,613,535)	(2,138,256,135)	(817,896,047)
(Increase) decrease in current investments	(2,561,707,325)	6,649,066,452	(467,651,091)	6,889,800,000
Acquisition of available for sale securities	(379,282,148)	-	(379,282,148)	-
Proceeds from short-term loans to related parties	-	-	495,000,000	291,000,000
Increase in short-term loans to related party	-	-	(345,000,000)	(270,000,000)
Acquisition of investment in subsidiaries and associates	(1,248,672,269)	-	(3,735,721,087)	(2,923,094,658)
Proceeds from sale of interest in joint venture	-	-	-	690,500,000
<b>Net cash from (used in) investing activities</b>	<b>(12,753,325,079)</b>	<b>(2,935,524,202)</b>	<b>(9,479,004,195)</b>	<b>965,765,423</b>

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

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Statement of cash flows (Unaudited)

	Consolidated financial statements		Separate financial statements	
	Six-month period ended 30 June		Six-month period ended 30 June	
	2017	2016	2017	2016
	<i>(in Baht)</i>			
<b>Cash flows from financing activities</b>				
Finance costs paid	(1,950,967,463)	(2,136,867,293)	(1,566,790,817)	(1,881,756,895)
Dividends paid	(8,282,202,929)	(5,945,141,109)	(8,029,411,929)	(5,798,141,109)
Repayment of finance lease liabilities	(98,670,291)	(99,125,933)	(63,777,782)	(64,191,175)
Proceeds from short-term borrowings from financial institutions	2,506,792,154	1,287,218,445	-	-
Proceeds from short-term borrowings from related parties	-	-	317,163,078	192,669,587
Proceeds from long-term borrowings from financial institutions	1,654,110,480	13,270,399,141	-	7,050,000,000
Proceeds from long-term borrowings from other parties	56,051,789	51,421,214	-	-
Repayment of short-term borrowings from financial institutions	(2,442,637,587)	(1,418,188,752)	-	-
Repayment of short-term borrowings from related parties	-	-	(8,253,595)	(4,708,941)
Repayment of long-term borrowings from financial institutions	(3,333,581,700)	(18,849,699,891)	(2,071,700,000)	(16,710,200,000)
Repayment of long-term borrowings from other parties	(42,631,977)	(32,583,473)	-	-
Proceeds from change in ownership interest in subsidiary without a change in control	3,055,733,911	-	-	-
Proceeds from increase in investment in subsidiary from non-controlling interests	-	97,844,893	-	-
Repayment of debentures	-	(1,058,000,000)	-	(1,058,000,000)
Purchase of treasury shares	-	(330,081,400)	-	(330,081,400)
<b>Net cash used in financing activities</b>	<b>(8,878,003,613)</b>	<b>(15,162,804,158)</b>	<b>(11,422,771,045)</b>	<b>(18,604,409,933)</b>
Net increase in cash and cash equivalents, before effect of exchange rates	8,256,452,011	9,622,072,369	5,652,302,100	8,778,705,793
Effect of exchange rate changes on cash and cash equivalents	(50,928,714)	(112,453,826)	25,452,095	(21,504,734)
<b>Net increase in cash and cash equivalents</b>	<b>8,205,523,297</b>	<b>9,509,618,543</b>	<b>5,677,754,195</b>	<b>8,757,201,059</b>
Cash and cash equivalents at beginning of period	31,143,384,207	11,482,803,936	27,949,661,787	6,948,680,839
<b>Cash and cash equivalents at ending of period</b>	<b>39,348,907,504</b>	<b>20,992,422,479</b>	<b>33,627,415,982</b>	<b>15,705,881,898</b>

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



**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Notes to the interim financial statements**  
**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

<b>Note</b>	<b>Contents</b>
1	General information
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# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

These notes form an integral part of the financial statements.

The interim financial statements issued for Thai regulatory reporting purposes are prepared in the Thai language. These English language financial statements have been prepared from the Thai language financial statements and, were approved and authorised for issue by the Board of Directors on 9 August 2017.

### 1 General information

PTT Global Chemical Public Company Limited, the “Company”, was registered on 19 October 2011 in accordance with the Public Company Limited Act, B.E. 2535 (1992).

The Board of Governors of the SET approved the listing of the Company on the day that the Registrar accepted the registration on 19 October 2011.

The Company is a company in the PTT Public Company Limited (“PTT”) group of companies. PTT is incorporated in Thailand and is the major shareholder of the Company, holding 48.89% of the Company’s issued and paid-up share capital.

The Company is incorporated in Thailand and has its registered offices as follows:

Head Office	: 555/1, Energy Complex, Building A, 14th - 18th Floor, Vibhavadi-Rangsit Road, Chatuchak, Bangkok, Thailand
Branch 1 (Rayong office Branch)	: 59, Radniyom Road, Tambon Noenphra, Amphoe Mueang Rayong, Rayong, Thailand
Branch 2 (Olefin 1 Branch)	: 14, I-1 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 3 (Olefin 2 Branch)	: 9, I-4 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 4 (Aromatics 1 Branch)	: 4, I-2 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 5 (Aromatics 2 Branch)	: 98/9, Rayong 3191 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 6 (Refining Branch)	: 8, I-8 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 7 (Jetty and Buffer Tank Farm Branch)	: 19, Rong Pui Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 8 (Aromatics reserve Branch)	: 11, I-4 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Branch 9 (Lab Service Center Branch)	: 24/9, Pakorn Songkrao-Rat Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 10 (PTTGC 10 Branch)	: 555/1, Energy Complex, Building A, 3rd and 10th Floor, Vibhavadi-Rangsit Road, Chatuchak, Bangkok, Thailand
Branch 11 (Olefin 3 Branch)	: 8, Phadang Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand
Branch 12 (Polyethylene Branch)	: 8, Map Ta Phut Industrial Estate, I-10 Road, Tambon Map Ta Phut, Amphoe Mueang Rayong, Rayong, Thailand

The principal businesses of the Company are production and distribution of ethylene, propylene polyethylene and biochemical products. By-products are mixed C4, cracker bottom and tail gas, refining and provision of integrated petroleum products and production and distribution of aromatic products with plans to proceed with the production of aromatic products. Minor activities are production and distribution of electricity, water, steam and other utilities. In addition, the Company also operates production support facilities such as jetty and buffer tank farm services for liquid chemical, oil and gas.

Details of the Company's subsidiaries as at 30 June 2017 and 31 December 2016 were as follows:

Name of the entity	Type of business	Country of incorporation	Ownership interest (%)	
			30 June 2017	31 December 2016
<i>Direct subsidiaries</i>				
Global Green Chemicals Plc.	Manufacturing and distributing biochemical products	Thailand	72.29	100
GC Oxirane Co., Ltd.	Manufacturing and distributing petrochemical products	Thailand	100	-
GC Polyols Co., Ltd.	Manufacturing and distributing petrochemical products	Thailand	100	-
Solution Creation Co., Ltd.	Manufacturing and distributing petrochemical products and health and nutrition products	Thailand	100	100
TOC Glycol Co., Ltd.	Manufacturing and distributing petrochemical products	Thailand	100	100
Thai Tank Terminal Limited	Service for the storage and handling of liquid chemicals, oil and gas	Thailand	51	51
Thai Styrenics Co., Ltd.	Manufacturing and distributing petrochemical products	Thailand	100	100

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Name of the entity	Type of business	Country of incorporation	Ownership interest (%)	
			30 June 2017	31 December 2016
<i>Direct subsidiaries (continue)</i>				
Bangkok Polyethylene Plc. (In process of liquidation)	Manufacturing and distributing petrochemical products	Thailand	100	100
Bio Spectrum Co., Ltd. (In process of liquidation)	Manufacturing and distributing biochemical products	Thailand	100	100
PTT Phenol Co., Ltd.	Manufacturing and distributing petrochemical products	Thailand	100	100
PTT Maintenance and Engineering Co., Ltd.	Factory maintenance and engineering services	Thailand	60	60
Auria BioChemicals Co., Ltd. (54% Direct interest and 46% Indirect interest)	Research and development of bio-based chemicals	Thailand	100	100
NPC Safety and Environmental Service Co., Ltd.	Safety and environmental services	Thailand	100	100
PTT Chemical International Pte. Ltd.	Holding and operating international business	Singapore	100	100
PTTGC America Corporation	Holding and operating international business	United States of America	100	100
<i>Indirect subsidiaries</i>				
Thai Fatty Alcohols Co., Ltd.	Manufacturing and distributing biochemical products	Thailand	100	100
PTT Chemical International (Asia Pacific ROH) Ltd. (In process of liquidation)	Services rendering to the Group	Thailand	100	100
NPC S&E Security Guard Co., Ltd.	Safety services	Thailand	100	100
Myriant Corporation	Research and development of bio-based chemicals	United States of America	100	100
PTTGC International (USA) Inc.	Holding and operating international business	United States of America	100	100
PTTGC International (Netherlands) B.V.	Holding and operating international business	Netherlands	100	100
PTTGC America LLC	Operating petrochemical business	United States of America	100	100
Vencorex Holding	Manufacturing and distributing chemical specialties	France	90.82	85

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 2 Basis of preparation of the interim financial statements

#### (a) *Statement of compliance*

The interim financial statements are prepared on a condensed basis in accordance with Thai Accounting Standard (TAS) No. 34 (revised 2016) *Interim Financial Reporting*; guidelines promulgated by the Federation of Accounting Professions (FAP); and applicable rules and regulations of the Thai Securities and Exchange Commission.

The interim financial statements are prepared to provide an update on the financial statements for the year ended 31 December 2016. They do not include all of the financial information required for full annual financial statements but focus on new activities, events and circumstances to avoid repetition of information previously reported. Accordingly, these interim financial statements should be read in conjunction with the financial statements of the Company and its subsidiaries for the year ended 31 December 2016.

The accounting policies and methods of computation applied in these interim financial statements are consistent with those applied in the financial statements for the year ended 31 December 2016 except that the Group has adopted all the new and revised TFRS that are effective for annual periods beginning on or after 1 January 2017. The adoption of new and revised TFRS has no material effect on the accounting policies, methods of computation, financial performance or position of the Group.

#### (b) *Functional and presentation currency*

The interim financial statements are presented in Thai Baht, which is the Company's functional currency. All financial information presented in Thai Baht has been rounded to the nearest million in notes to the financial statements unless otherwise stated.

#### (c) *Judgements and estimates*

The preparation of interim financial statements in conformity with TFRS requires management to make judgements, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

In preparing these interim financial statements, the significant judgements made by management in applying the Group's accounting policies and the key sources of estimation uncertainty were the same as those that applied to the financial statements for the year ended 31 December 2016.

### 3 Related parties

A related party is as follows;

- An individual or an entity which has the ability, directly or indirectly, to control or jointly control or exercise significant influence over the Group in making financial and operating decisions or;
- An individual or an entity which is subject to common control or common significant influence with the Group or;
- The Group has the ability, directly or indirectly, to control or jointly control or exercise significant influence over an individual or an entity in making financial and operating decisions.

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Relationships with related parties were as follows:

Name of entities	Country of incorporation/ nationality	Nature of relationships
PTT Plc.	Thailand	Parent, some common directors and management and the Company's director as a management
Global Green Chemicals Plc.	Thailand	Subsidiary, 72.29% shareholding, some common directors and the Company's management as a director
GC Oxirane Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
GC Polyols Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
Solution Creation Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
TOC Glycol Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
Thai Tank Terminal Limited	Thailand	Subsidiary, 51% shareholding
Thai Styrenics Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
Bangkok Polyethylene Plc. (In process of liquidation)	Thailand	Subsidiary, 100% shareholding
Bio Spectrum Co., Ltd. (In process of liquidation)	Thailand	Subsidiary, 100% shareholding
PTT Phenol Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
PTT Maintenance and Engineering Co., Ltd.	Thailand	Subsidiary, 60% shareholding and the Company's management as a director
Auria BioChemicals Co., Ltd.	Thailand	Subsidiary, 100% shareholding by the Group
NPC Safety and Environmental Service Co., Ltd.	Thailand	Subsidiary, 100% shareholding and the Company's management as a director
PTT Chemical International Pte. Ltd.	Singapore	Subsidiary, 100% shareholding, some common directors and management and the Company's management as a director
PTTGC America Corporation	United States of America	Subsidiary, 100% shareholding, some common management and the Company's management as a director

## PTT Global Chemical Public Company Limited and its Subsidiaries

### Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Name of entities	Country of incorporation/ nationality	Nature of relationships
PTTGC America LLC	United States of America	Indirect subsidiary, 100% shareholding by the Group and the Company's management as a director
Thai Fatty Alcohols Co., Ltd.	Thailand	Indirect subsidiary, 100% shareholding by the Group
PTT Chemical International (Asia Pacific ROH) Ltd. (In process of liquidation)	Thailand	Indirect subsidiary, 100% shareholding by the Group
NPC S&E Security Guard Co., Ltd.	Thailand	Indirect subsidiary, 100% shareholding by the Group
Vencorex (Thailand) Co., Ltd.	Thailand	Indirect subsidiary, 100% shareholding by the Group
Myriant Corporation	United States of America	Indirect subsidiary, 100% shareholding by the Group, some common directors and the Company's management as a director
PTTGC International (Netherlands) B.V.	Netherlands	Indirect subsidiary, 100% shareholding by the Group, some common directors and the Company's management as a director
PTTGC International (USA) Inc.	United States of America	Indirect subsidiary, 100% shareholding by the Group, some common directors and management, the Company's director as a management and the Company's management as a director
Vencorex France S.A.S.	France	Indirect subsidiary, 100% shareholding by the Group
Vencorex Holding	France	Indirect subsidiary, 90.82% shareholding by the Group, some common directors and the Company's management as a director
Thai Ethoxylate Co., Ltd.	Thailand	Indirect joint venture, 50% shareholding by the Group
PTT Polymer Marketing Co., Ltd.	Thailand	Joint venture, 50% shareholding by the Group and shareholding by parent company, some common directors and the Company's management as a director
PTT Polymer Logistics Co., Ltd.	Thailand	Joint venture, 50% shareholding by the Group and shareholding by parent company, and the Company's management as a director

## PTT Global Chemical Public Company Limited and its Subsidiaries

### Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Name of entities	Country of incorporation/ nationality	Nature of relationships
Emery Oleochemicals (M) Sdn. Bhd.	Malaysia	Indirect joint venture, 50% shareholding by the Group, some common directors and the Company's management as a director
Emery Specialty Chemicals Sdn. Bhd.	Malaysia	Indirect joint venture, 50% shareholding by the Group, some common directors and the Company's management as a director
Emeryoleo Specialties (M) Sdn. Bhd.	Malaysia	Indirect joint venture, 50% shareholding by the Group
NatureWorks LLC	United States of America	Indirect joint venture, 50% shareholding by the Group, some common directors and the Company's management as a director
NatureWorks Asia Pacific Co., Ltd.	Thailand	Indirect joint venture, 50% shareholding by the Group
Global Power Synergy Plc.	Thailand	Associate, 23% shareholding, shareholding by parent company, some common directors and the Company's management as a director
PTT Energy Solutions Co., Ltd.	Thailand	Associate, 20% shareholding, shareholding by parent company and the Company's management as a director
PTT Digital Solutions Co., Ltd. (Formerly PTT ICT Solutions Co., Ltd.)	Thailand	Associate, 40% shareholding, shareholding by parent company and the Company's management as a director
Vinythai Plc.	Thailand	Associate, 25% shareholding, some common directors and the Company's management as a director
Eastern Fluid Transport Co., Ltd.	Thailand	Associate, 22.65% shareholding by the Group
Thai Eastern Topseeds Oil Co., Ltd.	Thailand	Indirect associate, 30% shareholding by the Group
Advanced Biochemical (Thailand) Co., Ltd.	Thailand	Indirect associate
S.P. Petpack Inter Group Co., Ltd.	Thailand	Indirect associate, 25% shareholding by the Group



# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

Name of entities	Country of incorporation/ nationality	Nature of relationships
PT. Indo Thai Trading	Indonesia	Indirect associate, 49% shareholding by the Group and the Company's management as a director
Thai Petroleum Pipeline Co., Ltd.	Thailand	Related party, shareholding by parent company
Dhipaya Insurance Plc.	Thailand	Related party, shareholding by parent company
Thai Paraxylene Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
Thai Oil Plc.	Thailand	Related party, shareholding by parent company and some common directors
TOP Solvent Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
TOP Solvent (Vietnam) LLC.	Vietnam	Related party, indirect shareholding by parent company
Business Services Alliance Co., Ltd.	Thailand	Related party, shareholding by parent company, the Company and two Company's associates, each of 25% shareholding of preferred stock
PTT Natural Gas Distribution Co., Ltd.	Thailand	Related party, shareholding by parent company
PTT Retail Services Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
PTT Retail Management Co., Ltd.	Thailand	Related party, indirect shareholding by parent company and some common directors
PTTEP Siam Limited	Thailand	Related party, indirect shareholding by parent company
PTTEP International Limited	Thailand	Related party, indirect shareholding by parent company
PTT Exploration and Production Plc.	Thailand	Related party, shareholding by parent company
PTT Tank Terminal Limited	Thailand	Related party, shareholding by parent company
PTT Asahi Chemical Co., Ltd.	Thailand	Related party, shareholding by parent company and some common directors
PTT Energy Resources Co., Ltd.	Thailand	Related party, shareholding by parent company
PTT MCC Biochem Co., Ltd.	Thailand	Related party, shareholding by parent company

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

<b>Name of entities</b>	<b>Country of incorporation/ nationality</b>	<b>Nature of relationships</b>
PTT LNG Co., Ltd.	Thailand	Related party, shareholding by parent company
Rayong Olefins Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
Rak Phasak Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
LABIX Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
Sak Chaisidhi Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
Sport Services Alliance Co., Ltd.	Thailand	Related party, indirect shareholding by parent company and the Company's management as a director
Community Partnership Association	Thailand	The Company's management as a director
Amata Natural Gas Distribution Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
HMC Polymers Co., Ltd.	Thailand	Related party, shareholding by parent company
Energy Complex Co., Ltd.	Thailand	Related party, shareholding by parent company
UBE Chemicals (Asia) Plc.	Thailand	Related party, indirect shareholding by parent company
IRPC Plc.	Thailand	Related party, shareholding by parent company
IRPC Polyol Co., Ltd.	Thailand	Related party, indirect shareholding by parent company
Carigali-PTTEPI Operating Company Sdn. Bhd.	Malaysia	Related party, indirect shareholding by parent company
PTT Green Energy Pte. Ltd.	Singapore	Related party, shareholding by parent company
PTT International Trading DMCC	United Arab Emirates	Related party, indirect shareholding by parent company
PTT International Trading Pte. Ltd.	Singapore	Related party, shareholding by parent company
Alliance Petrochemical Investment (Singapore) Pte. Ltd.	Singapore	The Company's management as a director

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

The pricing policies for particular types of transactions are explained further below:

<b>Transactions</b>	<b>Pricing policies</b>
Sale of goods	Contract price / Regional market price / World market price
Rendering of services	Contract price
Purchase of goods / raw materials / services	Contract price / Market price
Interest on loan	Average cost of fund / Contractually agreed rate

Significant transactions for the three-month and six-month periods ended 30 June 2017 and 2016 with related parties were as follows:

<i>Three-month periods ended 30 June</i>	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Parent</b>				
Sales of goods or rendering of services	35,393	17,779	34,000	16,159
Purchases of goods or receiving of services	56,699	35,940	56,592	35,850
Other income	7	36	5	31
Other expense	14	20	13	18
<b>Subsidiaries</b>				
Sales of goods or rendering of services	-	-	5,949	4,716
Purchases of goods or receiving of services	-	-	668	624
Interest income	-	-	7	6
Dividend income	-	-	1,072	477
Other income	-	-	165	159
Interest expense	-	-	7	5
Other expense	-	-	262	354
<b>Joint ventures</b>				
Sales of goods or rendering of services	18,359	15,217	16,961	13,917
Purchases of goods or receiving of services	134	218	126	214
Dividend income	-	-	-	245
Other income	15	18	13	17
Other expense	283	124	253	99
<b>Associates</b>				
Sales of goods or rendering of services	1,438	1,486	1,414	1,459
Purchases of goods or receiving of services	2,039	2,144	932	1,060
Dividend income	1	-	405	325
Other income	15	14	15	14
Other expense	76	82	75	79
<b>Other related parties</b>				
Sales of goods or rendering of services	12,623	5,377	11,676	4,611
Purchases of goods or receiving of services	4,051	1,297	3,742	841
Other income	146	9	139	9
Other expense	75	72	67	66

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

<i>Three-month periods ended 30 June</i>	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Key management personnel</b>				
Key management personnel compensation				
Short-term benefits	73	86	46	36
Post-employment benefits and other long-term benefits	1	3	1	1
<b>Total key management personnel compensation</b>	<b>74</b>	<b>89</b>	<b>47</b>	<b>37</b>

<i>Six-month periods ended 30 June</i>	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Parent</b>				
Sales of goods or rendering of services	74,921	47,258	72,107	43,943
Purchases of goods or receiving of services	119,357	82,411	119,111	82,234
Other income	14	46	10	36
Other expense	33	36	31	32
<b>Subsidiaries</b>				
Sales of goods or rendering of services	-	-	11,788	8,872
Purchases of goods or receiving of services	-	-	1,257	1,213
Interest income	-	-	14	13
Dividend income	-	-	1,331	884
Other income	-	-	334	317
Interest expense	-	-	13	10
Other expense	-	-	524	614
<b>Joint ventures</b>				
Sales of goods or rendering of services	37,047	30,044	34,319	27,727
Purchases of goods or receiving of services	285	420	270	414
Dividend income	-	-	123	245
Other income	33	37	29	36
Other expense	585	176	517	124
<b>Associates</b>				
Sales of goods or rendering of services	2,933	2,716	2,884	2,661
Purchases of goods or receiving of services	4,023	4,170	1,993	2,109
Dividend income	1	-	405	351
Other income	32	30	32	30
Other expense	155	160	152	156
<b>Other related parties</b>				
Sales of goods or rendering of services	24,291	13,857	22,420	12,387
Purchases of goods or receiving of services	7,231	4,432	6,775	4,114
Other income	157	17	148	11
Other expense	146	144	131	131

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

<i>Six-month periods ended 30 June</i>	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Key management personnel</b>				
Key management personnel compensation				
Short-term benefits	175	211	119	95
Post-employment benefits and other long-term benefits	2	5	2	2
<b>Total key management personnel compensation</b>	<b>177</b>	<b>216</b>	<b>121</b>	<b>97</b>

Balances as at 30 June 2017 and 31 December 2016 with related parties were as follows:

### *Trade accounts receivable - related parties*

	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Parent	7,661	12,161	7,346	11,631
Subsidiaries	-	-	1,884	2,474
Joint ventures	6,349	8,163	5,534	7,337
Associates	480	556	466	544
Other related parties	3,613	3,931	3,308	3,567
<b>Total</b>	<b>18,103</b>	<b>24,811</b>	<b>18,538</b>	<b>25,553</b>
<i>Less allowance for doubtful accounts</i>	-	-	-	-
<b>Net</b>	<b>18,103</b>	<b>24,811</b>	<b>18,538</b>	<b>25,553</b>

	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
Bad and doubtful debts expense for				
- three-month periods ended 30 June	-	-	-	-
- six-month periods ended 30 June	-	-	-	-

### *Other receivables - related parties*

	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Parent	90	411	88	409
Subsidiaries	-	-	203	172
Joint ventures	48	23	11	19
Associates	96	42	79	25
Other related parties	359	1,479	331	1,392
<b>Total</b>	<b>593</b>	<b>1,955</b>	<b>712</b>	<b>2,017</b>
<i>Less allowance for doubtful accounts</i>	-	-	-	-
<b>Net</b>	<b>593</b>	<b>1,955</b>	<b>712</b>	<b>2,017</b>

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

	Consolidated financial statements		Separate financial statements	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
Bad and doubtful debts expense for				
- three-month periods ended 30 June	-	-	-	-
- six-month periods ended 30 June	-	-	-	-

### Loans to related parties

	Interest rate (% per annum)		Consolidated financial statements		Separate financial statements	
	2017	2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>					
Subsidiaries	4.39 - 4.42	4.10 - 4.36	-	-	505	655
Total			-	-	505	655
Less allowance for doubtful accounts			-	-	-	-
<b>Net</b>			<b>-</b>	<b>-</b>	<b>505</b>	<b>655</b>

	Consolidated financial statements		Separate financial statements	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
Bad and doubtful debts expense for				
- three-month periods ended 30 June	-	-	-	-
- six-month periods ended 30 June	-	-	-	-

Movements during the six-month periods ended 30 June 2017 and 2016 of loans to related parties were as follows:

	Consolidated financial statements		Separate financial statements	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Short-term loans</b>				
<b>Subsidiaries</b>				
At 1 January	-	-	655	591
Increase	-	-	345	270
Decrease	-	-	(495)	(291)
<b>At 30 June</b>	<b>-</b>	<b>-</b>	<b>505</b>	<b>570</b>

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Investments in subsidiaries (Note 5)	-	-	58,079	54,343
Investments in joint ventures (Note 6)	10,235	10,298	943	943
Investments in associates (Note 6)	13,427	13,026	9,323	9,323

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### Trade accounts payable - related parties

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Parent	16,861	20,610	16,820	20,576
Subsidiaries	-	-	90	69
Associates	659	762	238	362
Other related parties	1,274	1,483	1,087	1,435
<b>Total</b>	<b>18,794</b>	<b>22,855</b>	<b>18,235</b>	<b>22,442</b>

### Other payables - related parties

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Parent	13	971	9	964
Subsidiaries	-	-	247	341
Joint ventures	323	305	289	247
Associates	160	91	158	90
Other related parties	133	207	114	197
<b>Total</b>	<b>629</b>	<b>1,574</b>	<b>817</b>	<b>1,839</b>

### Payables to contractor - related parties

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Parent	-	1	-	-
Subsidiaries	-	-	469	391
Associates	33	72	18	54
Other related parties	11	4	9	4
<b>Total</b>	<b>44</b>	<b>77</b>	<b>496</b>	<b>449</b>

### Short-term loans from related parties

	Interest rate (% per annum)		Consolidated financial statements		Separate financial statements	
	2017	2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>					
Subsidiaries	1.20 - 1.39	1.24 - 1.86	-	-	1,823	1,514
<b>Total</b>			<b>-</b>	<b>-</b>	<b>1,823</b>	<b>1,514</b>

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

### For three-month and six-month periods ended 30 June 2017 (Unaudited)

Movements during the six-month periods ended 30 June 2017 and 2016 of short-term borrowings from related parties were as follows:

	Consolidated financial statements		Separate financial statements	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Subsidiaries</b>				
At 1 January	-	-	1,514	880
Increase	-	-	317	193
Decrease	-	-	(8)	(5)
<b>At 30 June</b>	<b>-</b>	<b>-</b>	<b>1,823</b>	<b>1,068</b>

#### *Significant agreements with related parties*

As at 30 June 2017, the Group has significant agreements with related parties as follows:

#### *Olefins Sales Agreements*

The Company has 4 Ethylene sales and purchase agreements with a parent company and 2 related parties. Selling prices are determined based on Ethane price and Ethylene price in the world market. These agreements are for the periods from 7 years to 15 years, commencing from the effective date specified in each agreement. One agreement that is expired in July 2017 is automatically renewed except for advance cancellation not less than 1 year through written notice by each party. Other three agreements will expire in August 2021, December 2021 and May 2022.

The Company has 3 Propylene sales and purchase agreements with 2 related parties. Selling prices are determined based on Polypropylene and Propylene prices in the world market. These agreements are for the periods from 2 years to 15 years, commencing from the effective date specified in each agreement and expiring in December 2018, December 2023 and December 2026.

#### *By Product Sales and Purchase Agreements*

The Company has a Hydrogen sales and purchase agreement with a related party. The selling price in the agreement is determined based on Natural Gas price for the industry. The agreement is for the period of 15 years, commencing from the date as specified in the agreement and expiring in March 2024.

The Company has a Tail Gas sales and purchase agreement with a related party. Selling price in the agreement is determined based on Natural Gas price for the industry. The agreement is for the period of 15 years, commencing from the date as specified in the agreement and expiring in August 2021.

#### *Utilities and Other Services Agreements*

The Company has 3 Power Supply agreements with 3 related parties. Selling prices in these agreements are determined based on reference price from the Provincial Electricity Authority. These agreements are for the period of 6 years 8 months and 15 years, commencing from the date as specified in each agreement and expiring in September 2022, June 2027 and September 2028.

The Company has 6 Utilities agreements covering electricity, steam and demineralised water with a related party. These agreements are for the periods from 12 years to 19 years 9 months, commencing from the date as specified in each agreement and expiring in December 2028.



# **PTT Global Chemical Public Company Limited and its Subsidiaries**

## **Notes to the interim financial statements**

### **For three-month and six-month periods ended 30 June 2017 (Unaudited)**

The Company and certain related parties have various Utilities agreements for the industries covering electricity, steam, and water with a related party. These agreements are for the periods from 15 years to 20 years, commencing from the date as specified in each agreement and expiring from December 2021 to June 2033. These agreements can be renewed for the period of 5 years with the terms and conditions agreed by both parties.

The Company has a Product Transportation agreement with a related party. The agreement is for the period of 3 years, commencing from the date as specified in the agreement and expiring in December 2018. The agreement is automatically renewed for another period of 3 years, except for advance cancellation through written notice by each party, not exceeding a total period of 15 years.

#### ***Feedstock and Fuel Gas Sales and Purchase Agreements***

The Company has 3 LPG sales and purchase agreements with a parent company. The selling price is determined based on the Polypropylene price. The agreement is for the period from 8 years 7 months to 15 years, commencing from the date as specified in the agreement. Two agreements will expire in December 2020 and one agreement will expire in May 2021.

The Company has a Natural Gas sales and purchase agreement with a parent company. The selling price is determined based on gas price as specified in the agreement. The agreement is for the period of 20 years, commencing from the date as specified in the agreement and expiring in December 2018. The agreement is renewable for the period of 4 years, by providing not less than 1 year advance written notice to the counterparty.

The Company has 2 Natural Gas sales and purchase agreements with a parent company. Selling prices are determined based on gas price as specified in the agreement and Thailand Producer Price Index as classification of products by activity (CPA). These agreements are for the period of 10 years, commencing from the date as specified in each agreement and expiring in May 2018 and May 2022.

The Company and 2 related parties have various Natural Gas sales and purchase agreements with a parent company. Selling price in an agreement is determined based on fuel oil prices and Thailand Producer Price Index (PPI). These agreements are for the periods from 10 years to 15 years, commencing from the date as specified in each agreement and expiring from March 2018 to March 2027.

The Company has a Natural Gas Liquid sales and purchase agreement with a parent company. The selling price is determined based on the standard price of Naphtha in the region. The agreement is for the period of 15 years, commencing from the date as specified in the agreement and expiring in May 2021. The agreement is renewable for the period of 5 years with the agreement of both parties.

The Company has 2 Ethane, Propane and LPG sales and purchase agreements with a parent company. Selling price in the agreement is determined based on the high density Polyethylene and Polypropylene price and another agreement is determined based on the high density Polyethylene price. These agreements have been extended and consequently will expire in December 2020.

The Company has an Ethane sales and purchase agreement with a parent company. The selling price is determined based on prices prevailing in the high density Polyethylene price in the world market. The agreement is for the period of 15 years, commencing from the date as specified in the agreement and expiring in January 2025. The agreement is renewable for 5 years, by providing not less than 1 year advance written notice to the counterparty.

The Company has an Ethane Rich Gas sales and purchase agreement with a related party. The selling price is determined based on prevailing prices of Polyethylene and Polypropylene in the region. This agreement is for the period of 10 years and will expire in January 2021.

# **PTT Global Chemical Public Company Limited and its Subsidiaries**

## **Notes to the interim financial statements**

### **For three-month and six-month periods ended 30 June 2017 (Unaudited)**

From 1 August 2012, the Company has entered into the adjustment of the pricing formula in the sales and purchase agreements of petrochemical natural gas feedstock with a parent company.

#### ***Petroleum Product Offtake Agreement***

The Company has a Petroleum Product sales and purchase agreement with a parent company and another company. For domestic sales, the product price reflects prices prevailing in Thailand for products of a similar quality that are sold in or imported to Thailand. For export sales, the product price reflects the prevailing international spot price for that product. These agreements are for the period of 18 years, commencing from the date as specified in the agreement and expiring in February 2024. The agreement is automatically renewed except for advance cancellation through written notice by each party.

#### ***Expansion Phase Product Offtake Agreement***

The Company has an expansion phase product offtake agreement with a parent company, whereas a parent company agree to purchase 100% of the volume of refined petroleum products produce by reforming and upgrading complexes. As specified in the Product Offtake Agreement, at least 50% of such volume will be sold at a competitive domestic market price and the remaining sold at a competitive export market price or other mutually agreed price. The agreement is for the period of 18 years, commencing from the date as specified in the agreement and expiring in February 2024. The agreement is automatically renewed except for advance cancellation through written notice by each party.

#### ***Long-term Crude Oil and Other Raw materials Supply Agreements***

The Company entered into 2 supply agreements for crude oil and other raw materials with a parent company, the reference price being based on market price of crude oil and other raw materials. These agreements are for the periods of 18 years and 20 years, will expire in December 2017 and February 2024. The agreements are automatically renewed except for advance cancellation through written notice by each party.

#### ***Crack Spread Swap Agreements***

The Company has entered into crack spread swap agreements with a parent company to hedge the Company's oil refinery margin. Under the agreements the floating amount of the basket refinery margin, (calculated based on the Singapore price of refined petroleum products, Gasoil, Kerosene and Fuel Oil against the price of Dubai crude oil), is swapped for a fixed amount of the basket refinery margin for a fixed quantity per month. Under the agreement, the Company shall make payment or receive of the crack spread difference according to terms and conditions stipulated in the agreements.

#### ***Crude Oil and Feedstock Time Spread Agreements***

The Company has entered into crude oil and feedstock time spread agreements to mitigate price risk with a parent company, calculated based on the difference of the average price of crude oil and feedstock for the current month and the price of the following month. The Company shall make payment or receive of the difference according to terms and conditions stipulated in the agreements. As at 30 June 2017, the Company has oil volume under the agreement totaling 500,000 barrels.

# **PTT Global Chemical Public Company Limited and its Subsidiaries**

## **Notes to the interim financial statements**

**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

### ***Sales and Purchase Aromatics Product Agreements***

The Company, a parent company, related parties and various other companies have entered into raw material and product sales and purchase agreements. The sales and purchase prices of raw material and product are based on the prices specified in the agreements. These agreements are for the periods from 1 year to 15 years, commencing from the effective date as specified in each agreement. The agreements will expire in December 2017, December 2023 and December 2026. Other agreements are automatically renewed except for a 1-2 years advance cancellation through written notice by each party.

### ***Polyethylene Sales and Purchase Agreements***

The Company and a related party have 2 Polyethylene sales and purchase agreements with a related party. The Company agrees to sell all Polyethylene to a related party for distributing to the customers in the market. Under which the Polyethylene pricing structure is changed to link to the Polyethylene product price, that the Company sells to end customers, adjusted by the appropriate marketing expenses for fairness to both parties. These agreements are for the period of 15 years, commencing from the effective date as specified in each agreement. One agreement will expire in December 2021 and another will expire in June 2023.

### ***Lending and Borrowing Agreements***

The Company has unsecured short-term lending agreements for the period of 3 years through Liquidity Management System “LMS” with 3 related parties with the credit facility of Baht 1,000 million, Baht 80 million and Baht 20 million. These loans bear interest at the rate of the Company’s average cost of funds.

The Company has unsecured short-term borrowing agreements for the period of 3 years through Liquidity Management System “LMS” with 3 related parties with the credit facility of Baht 4,000 million, Baht 60 million and Baht 50 million. These loans bear interest at the rate of the Company’s average return on current investment minus 0.25% per annum.

The Company provides unsecured short-term loans to related party by receiving the promissory notes amounting to Baht 505 million. The loans bear interest at the rate of the lender’s average cost of funds. The promissory notes are for the period of 3 months and are renewable.

The Company has an uncommitted and unsecured short-term Inter-Company Borrowing & Lending agreement (ICBL) for the period of 1 year with a parent company with the borrowing and lending credit facility of Baht 5,000 million and Baht 2,000 million, respectively. The agreement was expired on 19 December 2016 and has been extended for an additional period until 19 December 2017. This facility bears interest based on market rate referenced to BIBOR or LIBOR plus interest rate spread by taking into account the return on short-term investment, short-term interest rate and the credit ratings of the Company or the borrowing company.

### ***Service Agreements***

The Company has Shared Service agreements with 17 related parties for the provision of general services. All of these agreements are effective from the date as specified in the agreements and are automatically renewed except for 3 months advance cancellation through written notice by each party. The service charges will be agreed in the fourth quarter of each year.

The Company has a Technical Services agreement with a related party. Under which the Company agreed to obtain certain technical advisory services. The agreement is for the period of 3 years 4 months and will expire in December 2019.

## **PTT Global Chemical Public Company Limited and its Subsidiaries**

### **Notes to the interim financial statements**

#### **For three-month and six-month periods ended 30 June 2017 (Unaudited)**

The Company has Management and Engineering agreement, Design, Supply, Construction and Installation agreement, Inspection of Construction, Equipment and Machinery agreement and Management and Maintenance Work agreement with a related party. These agreements are for the periods from 1 year to 3 years 3 months, commencing from the date as specified in the agreements and expiring in December 2019.

The Company has 3 Services agreements to have the right to lay the pipelines for delivery of raw material and product on pipeline structure with a parent company. These agreements are for the period of 15 years from the agreement date and will expire in June 2025.

The Company has a Security Service agreement with a related party. Under which the related party agrees to provide security service to asset, employees and visitors in the location of the Company. The agreement is for the period of 2 years and will expire in December 2018.

The Company has a Safety Inspection Service agreement with a related party. The agreement is for the period of 4 years and will expire in December 2018.

The Company has 5 Warehouse Management agreements with a related party. The agreements are for the periods from 3 years to 21 years 3 months and will expire in December 2018 and December 2030.

The Company has a Tank Maintenance Service agreement with a related party. The agreement is for the period of 2 years 6 months and will expire in February 2018.

The Company has a Logistics Services agreement with a related party. The agreement is for the period of 4 years 7 months and will expire in December 2020.

The Company has entered into 2 Information and Communication Technology Service agreements with a related party. Under which the related party agrees to provide Information Technology system maintenance and support services, system structure and data centre management, system supporting and advisory, including system design and development as the Company's requirements. These agreements are for the periods from 5 years to 15 years, commencing from the date as specified in the agreements and expiring in December 2018 and December 2027.

#### ***Rental Agreements***

The Company has Office Rental and Service agreement with a related party. The agreement is for the period of 2 years and will expire in September 2017 with rental and service rate and conditions as stipulated in the agreement.

The Company has entered into Land Lease agreement with a parent company to operate jetty and buffer tank farm services. The agreement is for the period of 22 years 6 months, commencing from the date signed in the agreement by both parties, with land lease rate and condition as specified in the agreement, and will expire in December 2037.

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 4 Trade accounts receivable

	Note	Consolidated financial statements		Separate financial statements	
		30 June 2017	31 December 2016	30 June 2017	31 December 2016
		<i>(in million Baht)</i>			
Related parties	3	18,103	24,811	18,538	25,553
Other parties		12,827	16,254	4,986	8,785
<b>Total</b>		<b>30,930</b>	<b>41,065</b>	<b>23,524</b>	<b>34,338</b>
Less allowance for doubtful accounts		(80)	(82)	(19)	(19)
<b>Net</b>		<b>30,850</b>	<b>40,983</b>	<b>23,505</b>	<b>34,319</b>

		Consolidated financial statements		Separate financial statements	
		2017	2016	2017	2016
		<i>(in million Baht)</i>			
(Reversal) of allowance for doubtful accounts for					
- three-month periods ended 30 June		(2)	7	-	-
- six-month periods ended 30 June		(2)	(1)	-	-

Aging analyses for trade accounts receivable were as follows:

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
<b>Related parties</b>				
Within credit terms	18,096	24,797	18,538	25,553
Overdue:				
Less than 3 months	7	14	-	-
3 - 6 months	-	-	-	-
6 - 12 months	-	-	-	-
Over 12 months	-	-	-	-
	18,103	24,811	18,538	25,553
Less allowance for doubtful accounts	-	-	-	-
<b>Net</b>	<b>18,103</b>	<b>24,811</b>	<b>18,538</b>	<b>25,553</b>
<b>Other parties</b>				
Within credit terms	12,579	16,055	4,911	8,759
Overdue:				
Less than 3 months	157	107	56	7
3 - 6 months	-	3	-	-
6 - 12 months	7	5	-	-
Over 12 months	84	84	19	19
	12,827	16,254	4,986	8,785
Less allowance for doubtful accounts	(80)	(82)	(19)	(19)
<b>Net</b>	<b>12,747</b>	<b>16,172</b>	<b>4,967</b>	<b>8,766</b>
<b>Total</b>	<b>30,850</b>	<b>40,983</b>	<b>23,505</b>	<b>34,319</b>

The normal credit term granted by the Group ranges from 14 days to 90 days.

**PTT Global Chemical Public Company Limited and its Subsidiaries**

**Notes to the interim financial statements**

**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

**5 Investments in subsidiaries**

<i>Six-month periods ended 30 June</i>	<b>Separate financial statements</b>	
	2017	2016
	<i>(in million Baht)</i>	
<i>Subsidiaries</i>		
At 1 January	54,343	54,706
Acquisition	3,736	2,923
Impairment losses	-	(54)
<b>At 30 June</b>	<b><u>58,079</u></b>	<b><u>57,575</u></b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Notes to the interim financial statements**  
**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

Investments in subsidiaries as at 30 June 2017 and 31 December 2016, and dividend income from those investments for the six-month periods ended 30 June 2017 and 2016 were as follows:

	Separate financial statements													
	Ownership Interest		Paid-up capital		Cost		Impairment		At cost-net		Fair value of listed securities		Dividend income for the six-month periods ended	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	30 June 2016
	(%)		(in million Baht)											
<b>Subsidiaries</b>														
Global Green Chemicals Plc.	72	100	7,400	7,400	7,400	7,400	-	-	7,400	7,400	9,631	-	259	407
GC Oxirane Co., Ltd.	100	-	1,383	-	1,383	-	-	-	1,383	-	-	-	-	-
GC Polyols Co., Ltd.	100	-	626	-	626	-	-	-	626	-	-	-	-	-
Solution Creation Co., Ltd.	100	100	166	116	166	116	-	-	166	116	-	-	-	-
TOC Glycol Co., Ltd.	100	100	5,395	5,395	5,395	5,395	-	-	5,395	5,395	-	-	809	324
Thai Tank Terminal Co., Ltd.	51	51	900	900	459	459	-	-	459	459	-	-	263	153
Thai Styrenics Co., Ltd.	100	100	190	190	190	190	-	-	190	190	-	-	-	-
Bangkok Polyethylene Plc. (In process of liquidation)	100	100	1,700	1,700	1	1	-	-	1	1	-	-	-	-
Bio Spectrum Co., Ltd. (In process of liquidation)	100	100	146	146	96	96	(95)	(95)	1	1	-	-	-	-
PTT Phenol Co., Ltd.	100	100	11,851	11,851	13,155	13,155	-	-	13,155	13,155	-	-	-	-
PTT Maintenance and Engineering Co., Ltd.	60	60	137	137	82	82	-	-	82	82	-	-	-	-
Auria BioChemicals Co., Ltd.	54	54	90	90	49	49	-	-	49	49	-	-	-	-
NPC Safety and Environmental Service Co., Ltd.	100	100	165	165	165	165	-	-	165	165	-	-	-	-
PTT Chemical International Pte. Ltd.	100	100	29,881	28,498	29,881	28,498	(5,076)	(5,076)	24,805	23,422	-	-	-	-
PTTGC America Corporation	100	100	-	-	4,202	3,908	-	-	4,202	3,908	-	-	-	-
<b>Total</b>					<b>63,250</b>	<b>59,514</b>	<b>(5,171)</b>	<b>(5,171)</b>	<b>58,079</b>	<b>54,343</b>	<b>9,631</b>	<b>-</b>	<b>1,331</b>	<b>884</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Notes to the interim financial statements**  
**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

*Change in investment in subsidiaries*

On 14 February 2017, Solution Creation Co., Ltd. has called for paid capital from the capital increase by the Extraordinary General Meeting of shareholders of the subsidiary held on 14 February 2017 to invest in S.P. Petpack Inter Group Co., Ltd. at Baht 50 million, of which fully received in February 2017.

At the Board of Directors' Meeting of the Company held on 22 May 2017, the Board approved to establish GC Oxirane Co., Ltd. for conducting a Propylene Oxide Project which is 100% owned by the Company. Subsequently on 2 June 2017, GC Oxirane Co., Ltd. registered the initial authorised share capital of Baht 5,530 million and called for paid-up capital of 55.30 million shares at Baht 25 per share, totaling Baht 1,382.50 million, of which fully received in June 2017.

At the Board of Directors' Meeting of the Company held on 22 May 2017, the Board approved to establish GC Polyols Co., Ltd. for conducting a Polyols & PU System Project which is 100% owned by the Company. Subsequently on 2 June 2017, GC Polyols Co., Ltd. registered the initial authorised share capital of Baht 2,502 million called for paid-up capital of 25.02 million shares at Baht 25 per share, totaling Baht 625.50 million, of which fully received in June 2017.

On 6 June 2017, PTT Chemical International Pte. Ltd. ("CH Inter") has called for paid-up capital from the capital increase by the Board of Directors' Meeting of the subsidiary held on 20 February 2014 to invest in PTTGC International (Netherlands) B.V. ("PTTGC NL") for the purpose of investing in Vencorex Holding S.A.S. ("Vencorex") which a subsidiary holds an interest through PTTGC NL and for the purpose of corporate operation at EUR 31.37 million or equivalent to Baht 1,202.94 million, of which fully received in June 2017. Subsequently on 21 June 2017, PTTGC NL in which the Company holds a 100% interest through a subsidiary CH Inter, settled the payment of 34% of the share capital in Vencorex which PTTGC NL acquired from Perstorp Holding AB ("Perstorp") since 28 August 2014, and as a result its shareholding interest in Vencorex also increased by 5.82% from 85% to 90.82% in accordance with the terms of the agreement. The Group paid for the additional share capital totalling EUR 31.09 million (approximately Baht 1,168.63 million).

During the six-month period ended 30 June 2017, PTT Chemical International Pte. Ltd. has called for paid capital from the capital increase by the Board of Directors' Meeting of the subsidiary held on 21 December 2016 to invest in Myriant Corporation at USD 5.06 million or equivalent to Baht 180.65 million, of which fully received during the six-month period ended 30 June 2017.

During the six-month period ended 30 June 2017, PTTGC America Corporation has called for paid capital from the capital increase by the Board of Directors' Meeting held on 29 June 2015 for the purpose of US Petrochemical Complex project at USD 8.40 million or equivalent to Baht 294.13 million, of which fully received during the six-month period ended 30 June 2017.

On 24 March 2016, PTT Phenol Co., Ltd. has called for paid capital from the capital increase by the Extraordinary General Meeting of shareholders of the subsidiary held on 11 July 2013 for the purpose of Phenol 2 project at Baht 25 per share, 25.99 million shares, totalling Baht 649.80 million, of which fully received in March and May 2016.

On 12 May 2016, PTT Chemical International Pte. Ltd. has called for paid-up capital from the capital increase by the Board of Directors Meeting held on 20 February 2014 to invest in Vencorex Holding which the Company holds a 100% interest through PTTGC International (Netherlands) B.V. in accordance with business plan of Vencorex group. The share capital was registered and called at EUR 14.03 million or equivalent to Baht 566.50 million (1,402.5 million shares at EUR 0.01 par value), of which fully received in May 2016.



# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

### For three-month and six-month periods ended 30 June 2017 (Unaudited)

At the Board of Directors Meeting of NPC Safety and Environmental Service Co., Ltd. held on 20 April 2016 approved to establish NPC S&E Security Guard Co., Ltd. under the Business Security Act B.E. 2558 which the Company holds a 100% interest through NPC Safety and Environmental Service Co., Ltd. The share capital was registered at Baht 5 million, of which fully paid in May 2016.

During the six-month period ended 30 June 2016, PTT Chemical International Pte. Ltd. has called for paid capital increase by the Board of Directors' Meeting of the subsidiary held on 25 September 2015 to invest in Myriant Corporation at USD 6.98 million or equivalent to Baht 247.35 million, of which fully received during the six-month period ended 30 June 2016.

During the six-month period ended 30 June 2016, PTTGC America Corporation has called for paid capital from the capital increase by the Board of Directors' Meeting held on 29 June 2015 for the purpose of US Petrochemical Complex project at USD 41 million or equivalent to Baht 1,459.44 million, of which fully received during the six-month period ended 30 June 2016.

#### *Impairment loss on investment in subsidiary*

During the six-month period ended 30 June 2016, the Company recognised impairment loss on the investment in Bio Spectrum Co., Ltd. totalling Baht 54.19 million in the separate financial statements as the recoverable amount of investment was less than its carrying amount. On 31 March 2016, the subsidiary registered the dissolution with Department of Business Development, Ministry of Commerce. Subsequently on 28 December 2016, the subsidiary distributed capital to the Company amounting to Baht 50 million. As at 30 June 2017, Bio Spectrum Co., Ltd. is in the liquidation process.

#### *Initial public offering of Global Green Chemicals Plc. ordinary shares*

On 2 May 2017, Global Green Chemicals Plc. ("GGC") which is a subsidiary of the Company completed its Initial Public Offering ("IPO") on the Stock Exchange of Thailand by issuing 246.67 million new ordinary shares with an offering price of Baht 11.20 per share (par value of Baht 10 per share and share premium of Baht 1.20 per share) amounting to Baht 2,763 million with over-allotment of 37 million shares from the Company to the Over-allotment Agent in order to deliver them to the subscribers of GGC shares. Subsequently on 2 June 2017, the Over-allotment Agent procured shares in order to deliver them to the Company by means of exercising its over-allotment option to purchase newly issued ordinary shares from GGC. GGC has sold these shares to the Over-allotment Agent and increased its paid-up capital, and the Over-allotment Agent has returned the shares to the Company. Therefore, the Group received proceeds from issuing 283.67 million ordinary shares of GGC with price of Baht 11.20 per share, totalling of Baht 3,177 million.

Details of the change in ownership are as follows:

	<b>Consolidated financial statements</b> <i>(in million Baht)</i>
Consideration received	3,177
Less Transaction costs from issuance of Global Green Chemicals Plc.'s ordinary shares	(121)
<b>Net</b>	<b>3,056</b>
Dilution of ownership interest to non-controlling interest	(3,027)
<b>Change in parent's equity</b>	<b>29</b>

As a result of IPO, the Company's ownership interest in Global Green Chemicals Plc. decreased from 100% to 72.29%.

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 6 Investments in joint ventures and associates

<i>Six-month periods ended 30 June</i>	<b>Consolidated financial statements</b>		<b>Separate financial statements</b>	
	2017	2016	2017	2016
	<i>(in million Baht)</i>			
<b>Joint ventures</b>				
At 1 January	10,298	11,110	943	1,153
Share of profit (loss) of investments in joint ventures	145	(276)	-	-
Share of other comprehensive income (loss) of joint ventures	(11)	(173)	-	-
Dividend income	(197)	(250)	-	-
Disposal of investments	-	-	-	(210)
<b>At 30 June</b>	<b>10,235</b>	<b>10,411</b>	<b>943</b>	<b>943</b>
<b>Associates</b>				
At 1 January	13,026	12,392	9,323	9,323
Acquisition	80	-	-	-
Share of profit of investments in associates	742	507	-	-
Share of other comprehensive income (loss) of investments in associates	(14)	(15)	-	-
Dividend income	(407)	(352)	-	-
<b>At 30 June</b>	<b>13,427</b>	<b>12,532</b>	<b>9,323</b>	<b>9,323</b>
<b>Total</b>				
At 1 January	23,324	23,502	10,266	10,476
Acquisition	80	-	-	-
Share of profit of investments in joint ventures and associates	887	231	-	-
Share of profit (loss) of investments in joint ventures and associates	(25)	(188)	-	-
Dividend income	(604)	(602)	-	-
Disposal of investments in joint ventures	-	-	-	(210)
<b>At 30 June</b>	<b>23,662</b>	<b>22,943</b>	<b>10,266</b>	<b>10,266</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
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Investments in joint ventures and associates as at 30 June 2017 and 31 December 2016, and dividend income from those investments for the six-month periods ended 30 June 2017 and 2016 were as follows:

	Consolidated financial statements												Dividend income for the six-month periods ended	
	Ownership interest		Paid-up capital		Cost		Equity		Impairment		Equity - net		30	30
	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	June 2017	June 2016
	(%)		(in million Baht)											
<b>Direct joint ventures</b>														
PTT Polymer Marketing Co., Ltd.	50	50	40	40	260	260	245	318	-	-	245	318	125	250
PTT Polymer Logistics Co., Ltd.	50	50	1,200	1,200	707	707	926	872	-	-	926	872	-	-
					<b>967</b>	<b>967</b>	<b>1,171</b>	<b>1,190</b>	<b>-</b>	<b>-</b>	<b>1,171</b>	<b>1,190</b>	<b>125</b>	<b>250</b>
<b>Indirect joint ventures</b>														
Thai Ethoxylate Co., Ltd.	50	50	420	420	210	210	671	688	-	-	671	688	72	-
Emery Oleochemicals (M) Sdn. Bhd.	50	50	4,530	4,530	4,966	4,966	5,056	5,102	-	-	5,056	5,102	-	-
Emery Specialty Chemicals Sdn. Bhd.	50	50	818	818	407	407	5	82	-	-	5	82	-	-
Nature Works LLC	50	50	43,167	43,167	4,793	4,793	3,332	3,236	-	-	3,332	3,236	-	-
					<b>10,376</b>	<b>10,376</b>	<b>9,064</b>	<b>9,108</b>	<b>-</b>	<b>-</b>	<b>9,064</b>	<b>9,108</b>	<b>72</b>	<b>-</b>
<b>Total - joint ventures</b>					<b>11,343</b>	<b>11,343</b>	<b>10,235</b>	<b>10,298</b>	<b>-</b>	<b>-</b>	<b>10,235</b>	<b>10,298</b>	<b>197</b>	<b>250</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
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**Consolidated financial statements**

	Ownership interest		Paid-up capital		Cost		Equity		Impairment		Equity - net		Dividend income for the six-month periods ended	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	30 June 2016
	(%)		(in million Baht)											
<b>Direct associates</b>														
Global Power Synergy Plc.	23	23	14,983	14,983	5,934	5,934	8,189	8,078	-	-	8,189	8,078	239	204
PTT Energy Solution Co., Ltd.	20	20	150	150	30	30	47	48	-	-	47	48	-	-
PTT Digital Solutions Co., Ltd. (Formerly PTT ICT Solutions Co., Ltd.)	40	40	150	150	60	60	529	510	-	-	529	510	31	26
Vinythai Plc.	25	25	7,111	7,111	3,297	3,297	4,371	4,210	-	-	4,371	4,210	133	118
Eastern Fluid Transport Co., Ltd.	23	23	10	10	2	2	20	16	-	-	20	16	4	4
					<b>9,323</b>	<b>9,323</b>	<b>13,156</b>	<b>12,862</b>	<b>-</b>	<b>-</b>	<b>13,156</b>	<b>12,862</b>	<b>407</b>	<b>352</b>
<b>Indirect associates</b>														
PT. Indo Thai Trading	49	49	255	255	124	124	176	148	-	-	176	148	-	-
Thai Eastern Top Seeds Oil Co., Ltd.	30	30	166	56	47	17	45	16	-	-	45	16	-	-
S.P. Petpack Inter Group Co., Ltd.	25	-	200	-	50	-	50	-	-	-	50	-	-	-
					<b>221</b>	<b>141</b>	<b>271</b>	<b>164</b>	<b>-</b>	<b>-</b>	<b>271</b>	<b>164</b>	<b>-</b>	<b>-</b>
<b>Total - associates</b>					<b>9,544</b>	<b>9,464</b>	<b>13,427</b>	<b>13,026</b>	<b>-</b>	<b>-</b>	<b>13,427</b>	<b>13,026</b>	<b>407</b>	<b>352</b>
<b>Total</b>					<b>20,887</b>	<b>20,807</b>	<b>23,662</b>	<b>23,324</b>	<b>-</b>	<b>-</b>	<b>23,662</b>	<b>23,324</b>	<b>604</b>	<b>602</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
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**Separate financial statements**

	Ownership interest		Paid-up capital		Cost		Impairment		Equity - net		Fair value of listed securities		Dividend income for the six-month periods ended	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	31 December 2016	30 June 2017	30 June 2016
	(%)						(in million Baht)							
<b>Joint ventures</b>														
PTT Polymer Marketing Co., Ltd.	49	49	40	40	250	250	-	-	250	250	-	-	123	245
PTT Polymer Logistics Co., Ltd.	49	49	1,200	1,200	693	693	-	-	693	693	-	-	-	-
					<b>943</b>	<b>943</b>	<b>-</b>	<b>-</b>	<b>943</b>	<b>943</b>	<b>-</b>	<b>-</b>	<b>123</b>	<b>245</b>
<b>Associates</b>														
Global Power Synergy Plc.	23	23	14,983	14,983	5,934	5,934	-	-	5,934	5,934	12,345	12,686	238	204
PTT Energy Solution Co., Ltd.	20	20	150	150	30	30	-	-	30	30	-	-	-	-
PTT Digital Solutions Co., Ltd. (Formerly PTT ICT Solutions Co., Ltd.)	40	40	150	150	60	60	-	-	60	60	-	-	31	26
Vinythai Plc.	25	25	7,111	7,111	3,297	3,297	-	-	3,297	3,297	5,654	4,885	133	118
Eastern Fluid Transport Co., Ltd.	15	15	10	10	2	2	-	-	2	2	-	-	3	3
					<b>9,323</b>	<b>9,323</b>	<b>-</b>	<b>-</b>	<b>9,323</b>	<b>9,323</b>	<b>17,999</b>	<b>17,571</b>	<b>405</b>	<b>351</b>
<b>Total</b>					<b>10,266</b>	<b>10,266</b>	<b>-</b>	<b>-</b>	<b>10,266</b>	<b>10,266</b>	<b>17,999</b>	<b>17,571</b>	<b>528</b>	<b>596</b>

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### *Change in investment in joint venture and associate*

On 25 January 2017, Solution Creation Co., Ltd. which is a subsidiary of the Company signed a joint venture agreement with S.P. Petpack Co., Ltd. (“S.P. PETPACK”). On 23 February 2017, Solution Creation Co., Ltd. purchased the shares to hold 25% of the issued and paid capital of S.P. Petpack Inter Group Co., Ltd., a subsidiary of S.P. PETPACK, at Baht 50 million for the purpose of jointly investment expansion in building plastic packaging manufacturing plant and develop packaging market in the Republic of the Union of Myanmar. This project follows strategic direction and business strategy of the Group to expand into Cambodia-Laos-Myanmar-Vietnam (“CLMV”) market.

On 31 March 2016, the Company sold ordinary shares totalling 2,100,000 shares or equivalent to 50% shareholding interest in Thai Ethoxylate Co., Ltd. to Global Green Chemicals Plc. which is a subsidiary of the Company at the selling price of Baht 328.8 per share, totalling Baht 690.5 million. The Company recognised the difference from the divestment of the joint venture in “Difference arising from business combination under common control” totalling Baht 480.5 million in the separate financial statements for the six-month period ended 30 June 2016.

## 7 Other investments

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
<b><i>Current investments</i></b>				
Promissory notes - financial institutions	14,575	12,244	11,508	11,271
Available-for-sale debt securities	37	43	37	43
Available-for-sale debt securities (Private funds)	1,950	1,881	1,950	1,881
	<b>16,562</b>	<b>14,168</b>	<b>13,495</b>	<b>13,195</b>
<b><i>Other long-term investments</i></b>				
Available-for-sale debt securities	1,708	1,650	1,708	1,650
Available-for-sale debt securities (Private funds)	4,078	3,663	4,078	3,663
Available-for-sale equity securities	296	-	296	-
Other non-marketable equity securities				
Alliance Petrochemical Investment (Singapore) Pte. Ltd. (15.34% shareholding by the Company)	290	290	290	290
Exeltium SAS (4% shareholding by the Group)	283	283	-	-
Others	1	1	1	1
	<b>6,656</b>	<b>5,887</b>	<b>6,373</b>	<b>5,604</b>
<b>Total</b>	<b>23,218</b>	<b>20,055</b>	<b>19,868</b>	<b>18,799</b>

During the third quarter of 2016, the Company established private funds and engaged independent assets management companies for the purpose of cash balance management of the Company. Those private funds have invested in debt securities which had high liquidity and credit quality. As at 30 June 2017, the value of private funds outstanding totalling Baht 6,104 million (31 December 2016: Baht 6,013 million).

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 8 Property, plant and equipment

Acquisitions, disposals and transfers of property, plant and equipment during the six-month periods ended 30 June 2017 and 2016 were as follows:

<i>Six-month periods ended 30 June</i>	Consolidated financial statements					
	Acquisitions and transfers in - at cost		Disposals and transfers out - net book value		Impairment of assets	
	2017	2016	2017	2016	2017	2016
	<i>(in million Baht)</i>					
Land and improvement	869	29	-	1	-	-
Buildings and buildings improvement	850	210	2	-	-	-
Plant, machinery, factory equipment and tools	7,831	10,236	202	10	-	-
Furnitures, fixtures and equipment	106	86	2	1	-	-
Vehicles	23	36	3	1	-	-
Asset under construction	6,115	9,665	9,323	10,448	-	40
<b>Total</b>	<b>15,794</b>	<b>20,262</b>	<b>9,532</b>	<b>10,461</b>	<b>-</b>	<b>40</b>

<i>Six-month periods ended 30 June</i>	Separate financial statements					
	Acquisitions and transfers in - at cost		Disposals and transfers out - net book value		Impairment of assets	
	2017	2016	2017	2016	2017	2016
	<i>(in million Baht)</i>					
Land and improvement	239	21	-	-	-	-
Buildings and buildings improvement	71	195	2	-	-	-
Plant, machinery, factory equipment and tools	2,128	10,025	84	10	-	-
Furnitures, fixtures and equipment	57	73	-	-	-	-
Vehicles	15	20	-	1	-	-
Asset under construction	4,427	5,106	2,158	10,244	-	43
<b>Total</b>	<b>6,937</b>	<b>15,440</b>	<b>2,244</b>	<b>10,255</b>	<b>-</b>	<b>43</b>

### 9 Trade accounts payable

<i>Note</i>	Consolidated financial statements		Separate financial statements		
	30 June 2017	31 December 2016	30 June 2017	31 December 2016	
	<i>(in million Baht)</i>				
Related parties	3	18,794	22,855	18,235	22,442
Other parties		3,523	4,872	780	1,444
<b>Total</b>		<b>22,317</b>	<b>27,727</b>	<b>19,015</b>	<b>23,886</b>

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 10 Other payables

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
Accrued operating expenses	2,028	2,388	1,219	1,518
Accrued interest expenses	670	704	643	671
Other payables	3,028	4,487	2,491	3,991
Deposits and advances received	170	95	96	17
Retention payables	102	73	31	47
Current portion of finance lease liabilities	141	173	95	109
Withholding tax payable	148	316	85	240
Accrued other tax expenses	762	1,246	687	1,221
Others	427	423	5	3
<b>Total</b>	<b>7,476</b>	<b>9,905</b>	<b>5,352</b>	<b>7,817</b>

### 11 Treasury Shares

At the Board of Directors' Meeting of the Company held on 24 August 2015, the Board approved a share repurchase program for financial management purpose (Treasury Stocks) not exceeding 90 million shares, or approximately 2 percent of the total issued shares, with the maximum amount of Baht 4,500 million. The Company can purchase the shares through the Stock Exchange of Thailand within the period of 6 months, during the period from 8 September 2015 to 7 March 2016. The shares purchased may be resold after 6 months from the date of purchase but must not exceed 3 years from such completion.

As at 7 March 2016, the Company has repurchased the shares under the program totalling 48.6 million shares, equivalent to 1.08% of issued share and paid capital, at a total cost of Baht 2,434.6 million with an equivalent amount had been appropriated from retained earnings to treasury shares reserve.

At the Board of Directors' Meeting of the Company held on 22 August 2016, the Board approved the sale of 48.6 million treasury shares, equivalent to 1.08% of issued share and paid capital. The specified selling period is from 8 September 2016 to 7 March 2019 through the Stock Exchange of Thailand.

During the year ended 31 December 2016, the Company has sold 0.5 million treasury shares, amounting to Baht 32.6 million and recognised surplus on treasury shares of Baht 7.4 million. As at 30 June 2017, the Company had remaining 48.1 million treasury shares, equivalent to 1.07% of issued share and paid capital.



# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 12 Segment information

The Group has significant business segments which offer different products and services, and are managed separately. For each of the business segments, the chief operating decision maker (CODM) reviews internal management reports on at least a quarterly basis. The operations in each of the Group's reportable segments have 7 reportable segments as described below.

Segment 1	Refinery and shared facilities
Segment 2	Aromatics
Segment 3	Olefins and Derivatives
Segment 4	EO-Based Performance
Segment 5	Green Chemicals
Segment 6	High Volume Specialties
Segment 7	Services and Others

Performance information of each reportable segment is measured based on segment profit before interest expense, tax, depreciation and amortisation which as included in the internal management reports that are reviewed by the Group's CODM. Management believes that using profit before interest expense, tax, depreciation and amortisation to measure performance is the most relevant in evaluating the results of certain segments relative to other entities that operate within these industries.

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
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**Information about reporting segments for the three-month period ended 30 June 2017**

	Refinery & Shared facilities	Aromatics	Olefins & Derivatives	EO-Based	Green Chemicals	High Volume Specialties	Service & Others	Elimination	Total
	<i>(in million Baht)</i>								
External revenues	46,280	13,586	24,410	3,387	4,485	8,840	672	-	101,660
Inter-segment revenues	2,281	9,338	4,006	-	342	28	837	(16,832)	-
<b>Total segment revenues</b>	<b>48,561</b>	<b>22,924</b>	<b>28,416</b>	<b>3,387</b>	<b>4,827</b>	<b>8,868</b>	<b>1,509</b>	<b>(16,832)</b>	<b>101,660</b>
Cost of sales and rendering of services	(46,528)	(21,337)	(20,724)	(2,607)	(4,417)	(7,964)	(1,119)	16,821	(87,875)
Selling and distribution and administrative expenses	(140)	(323)	(1,117)	(89)	(206)	(536)	(452)	295	(2,568)
<b>Profit before interest expense, tax, depreciation and amortisation</b>	<b>1,928</b>	<b>1,270</b>	<b>6,814</b>	<b>725</b>	<b>216</b>	<b>475</b>	<b>146</b>	<b>66</b>	<b>11,640</b>
Interest income	49	32	130	8	8	8	13	(14)	234
Finance costs	(124)	(39)	(187)	(1)	(49)	(155)	(432)	14	(973)
Depreciation and amortisation	(909)	(948)	(1,780)	(240)	(214)	(695)	(126)	49	(4,863)
Dividend income	-	-	-	-	-	-	943	(942)	1
Share of profit (loss) of investments in joint ventures	-	-	54	-	(71)	-	-	6	(11)
Share of profit (loss) of investments in associates	-	-	113	-	(1)	-	248	-	360
Others	(60)	19	11	-	(27)	(107)	439	-	275
<b>Profit (loss) before tax</b>	<b>884</b>	<b>334</b>	<b>5,155</b>	<b>492</b>	<b>(138)</b>	<b>(474)</b>	<b>1,231</b>	<b>(821)</b>	<b>6,663</b>
<b>Profit (loss) for reportable segment</b>	<b>1,027</b>	<b>335</b>	<b>5,111</b>	<b>434</b>	<b>(135)</b>	<b>(408)</b>	<b>1,075</b>	<b>(836)</b>	<b>6,603</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
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**Information about reporting segments for the three-month period ended 30 June 2016**

	Refinery & Shared facilities	Aromatics	Olefins & Derivatives	EO-Based	Green Chemicals	High Volume Specialties	Service & Others	Elimination	Total
	<i>(in million Baht)</i>								
External revenues	13,568	16,119	22,525	3,114	4,566	5,894	599	-	66,385
Inter-segment revenues	2,116	6,585	4,031	-	287	3	737	(13,759)	-
<b>Total segment revenues</b>	<b>15,684</b>	<b>22,704</b>	<b>26,556</b>	<b>3,114</b>	<b>4,853</b>	<b>5,897</b>	<b>1,336</b>	<b>(13,759)</b>	<b>66,385</b>
Cost of sales and rendering of services	(14,171)	(20,239)	(19,528)	(3,137)	(4,275)	(5,522)	(1,229)	13,931	(54,170)
Selling and distribution and administrative expenses	(121)	(271)	(894)	(98)	(138)	(546)	(466)	155	(2,379)
<b>Profit (loss) before interest expense, tax, depreciation and amortisation</b>	<b>1,418</b>	<b>2,200</b>	<b>6,211</b>	<b>(94)</b>	<b>454</b>	<b>(26)</b>	<b>(173)</b>	<b>128</b>	<b>10,118</b>
Interest income	39	32	149	5	3	7	9	(10)	234
Finance costs	(133)	(106)	(211)	(2)	(47)	(90)	(489)	10	(1,068)
Depreciation and amortisation	(759)	(741)	(1,677)	(263)	(163)	(455)	(124)	24	(4,158)
Dividend income	-	-	-	-	-	-	693	(692)	1
Share of profit (loss) of investments in joint ventures	-	-	54	-	(225)	-	-	-	(171)
Share of profit of investments in associates	-	-	46	-	-	-	177	1	224
Others	15	8	(82)	4	7	52	99	-	103
<b>Profit (loss) before tax</b>	<b>580</b>	<b>1,393</b>	<b>4,490</b>	<b>(350)</b>	<b>29</b>	<b>(512)</b>	<b>192</b>	<b>(539)</b>	<b>5,283</b>
<b>Profit (loss) for reportable segment</b>	<b>574</b>	<b>1,328</b>	<b>4,265</b>	<b>(348)</b>	<b>37</b>	<b>(440)</b>	<b>(390)</b>	<b>(102)</b>	<b>4,924</b>

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**Information about reporting segments for the six-month period ended 30 June 2017**

	Refinery & Shared facilities	Aromatics	Olefins & Derivatives	EO-Based Performance	Green Chemicals	High Volume Specialties	Services & Others	Elimination	Total
	<i>(in million Baht)</i>								
External revenues	92,556	30,736	51,695	6,964	8,407	18,019	1,325	-	209,702
Inter-segment revenues	6,579	19,867	8,578	1	577	50	1,517	(37,169)	-
<b>Total segment revenues</b>	<b>99,135</b>	<b>50,603</b>	<b>60,273</b>	<b>6,965</b>	<b>8,984</b>	<b>18,069</b>	<b>2,842</b>	<b>(37,169)</b>	<b>209,702</b>
Cost of sales and rendering of services	(93,769)	(44,926)	(41,775)	(5,326)	(8,154)	(16,137)	(2,051)	37,240	(174,898)
Selling and distribution and administrative expenses	(268)	(672)	(2,201)	(230)	(382)	(1,121)	(881)	542	(5,213)
<b>Profit before interest expense, tax, depreciation and amortisation</b>	<b>5,162</b>	<b>5,017</b>	<b>16,643</b>	<b>1,474</b>	<b>499</b>	<b>1,009</b>	<b>295</b>	<b>156</b>	<b>30,255</b>
Interest income	93	60	245	14	11	15	21	(27)	432
Finance costs	(254)	(80)	(377)	(3)	(102)	(311)	(874)	27	(1,974)
Depreciation and amortisation	(1,798)	(1,959)	(3,591)	(620)	(427)	(1,347)	(250)	97	(9,895)
Dividend income	-	-	-	-	-	-	1,325	(1,324)	1
Share of profit of investments in joint ventures	-	-	108	-	29	-	-	8	145
Share of profit (loss) of investments in associates	-	-	317	-	(1)	-	426	-	742
Others	(108)	103	147	11	(51)	(62)	1,764	-	1,804
<b>Profit (loss) before tax</b>	<b>3,095</b>	<b>3,141</b>	<b>13,492</b>	<b>876</b>	<b>(42)</b>	<b>(696)</b>	<b>2,707</b>	<b>(1,063)</b>	<b>21,510</b>
<b>Profit (loss) for reportable segment</b>	<b>2,770</b>	<b>2,824</b>	<b>12,764</b>	<b>774</b>	<b>(48)</b>	<b>(595)</b>	<b>2,383</b>	<b>(1,087)</b>	<b>19,785</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Notes to the interim financial statements**  
**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

**Information about reporting segments for the six-month period ended 30 June 2016**

	Refinery & Shared facilities	Aromatics	Olefins & Derivatives	EO-Based Performance	Green Chemicals	High Volume Specialties	Service & Others	Elimination	Total
	<i>(in million Baht)</i>								
External revenues	45,468	30,984	43,723	6,227	8,621	11,756	1,079	-	147,858
Inter-segment revenues	5,843	13,795	7,757	-	576	10	1,529	(29,510)	-
<b>Total segment revenues</b>	<b>51,311</b>	<b>44,779</b>	<b>51,480</b>	<b>6,227</b>	<b>9,197</b>	<b>11,766</b>	<b>2,608</b>	<b>(29,510)</b>	<b>147,858</b>
Cost of sales and rendering of services	(47,922)	(39,635)	(38,909)	(6,055)	(8,085)	(11,025)	(2,203)	29,679	(124,155)
Selling and distribution and administrative expenses	(239)	(536)	(1,691)	(192)	(375)	(1,076)	(845)	290	(4,664)
<b>Profit (loss) before interest expense, tax, depreciation and amortisation</b>	<b>3,274</b>	<b>4,641</b>	<b>11,042</b>	<b>35</b>	<b>763</b>	<b>(128)</b>	<b>(80)</b>	<b>86</b>	<b>19,633</b>
Interest income	74	62	335	10	8	17	18	(22)	502
Finance costs	(259)	(250)	(439)	(3)	(90)	(177)	(970)	30	(2,158)
Depreciation and amortisation	(1,544)	(1,472)	(3,268)	(527)	(320)	(971)	(246)	49	(8,299)
Dividend income	-	-	-	-	-	-	1,100	(1,099)	1
Share of profit (loss) of investments in joint ventures	-	-	105	-	(381)	-	-	-	(276)
Share of profit of investments in associates	-	-	104	-	-	-	394	9	507
Others	15	(26)	(225)	(1)	5	22	945	-	735
<b>Profit (loss) before tax</b>	<b>1,560</b>	<b>2,955</b>	<b>7,654</b>	<b>(486)</b>	<b>(15)</b>	<b>(1,237)</b>	<b>1,161</b>	<b>(947)</b>	<b>10,645</b>
<b>Profit (loss) for reportable segment</b>	<b>1,431</b>	<b>2,823</b>	<b>7,053</b>	<b>(483)</b>	<b>-</b>	<b>(1,111)</b>	<b>907</b>	<b>(988)</b>	<b>9,632</b>

**PTT Global Chemical Public Company Limited and its Subsidiaries**  
**Notes to the interim financial statements**  
**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

	Refinery & Shared facilities	Aromatics	Olefins & Derivatives	EO-Based Performance	Green Chemicals	High Volume Specialties	Services & Others	Elimination	Total
	<i>(in million Baht)</i>								
<b>At 30 June 2017</b>									
Segment assets	71,500	72,363	136,464	16,230	17,812	46,246	83,107	(49,213)	394,509
<b>At 31 December 2016</b>									
Segment assets	75,827	73,762	136,191	15,997	15,480	45,157	76,754	(46,002)	393,166

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 13 Income tax expense

Income tax expense is recognised based on management's best estimate of the weighted average annual income tax rate expected for the full financial year applied to the pre-tax income of the interim period.

The Group's consolidated effective tax rate in respect of continuing operations for the six-month period ended 30 June 2017 was 7.27% (2016: 9.4%). The difference between the effective tax rate and the amount determined by applying the Thai corporation tax rate to the accounting profit for the period principally was caused mainly by a significant portion of the Group and Company's profit was derived from promoted activities for which concessionary tax rates apply or which are not subject to tax.

### 14 Basic earnings per share

The calculation of basic earnings per share for the three-month and six-month periods ended 30 June 2017 and 2016 were based on the profit for the periods attributable to ordinary shareholders of the Company and the weighted average number of ordinary shares outstanding during the periods as follows:

	Consolidated financial statements		Separate financial statements	
	2017	2016	2017	2016
<i>Three-month periods ended 30 June</i>	<i>(in million Baht / million shares)</i>			
Profit attributable to ordinary shareholders of the Company (basic)	6,603.14	4,924.40	7,470.85	6,003.30
Number of ordinary shares as at 1 April	4,508.85	4,508.85	4,508.85	4,508.85
Effect of treasury shares	(48.05)	(48.55)	(48.05)	(48.55)
Weighted average number of ordinary shares outstanding (basic)	4,460.80	4,460.30	4,460.80	4,460.30
<b>Earnings per share (basic) (in Baht)</b>	<b>1.48</b>	<b>1.10</b>	<b>1.67</b>	<b>1.35</b>
<i>Six-month periods ended 30 June</i>	<i>(in million Baht / million shares)</i>			
Profit attributable to ordinary shareholders of the Company (basic)	19,784.90	9,631.54	19,825.91	11,282.06
Number of ordinary shares as at 1 January	4,508.85	4,508.85	4,508.85	4,508.85
Effect of treasury shares	(48.05)	(47.90)	(48.05)	(47.90)
Weighted average number of ordinary shares outstanding (basic)	4,460.80	4,460.95	4,460.80	4,460.95
<b>Earnings per share (basic) (in Baht)</b>	<b>4.44</b>	<b>2.16</b>	<b>4.44</b>	<b>2.53</b>

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 15 Dividends

At the Annual General Meeting of the shareholders of the Company held on 5 April 2017, the shareholders approved the appropriation of annual dividend from 2016 performance at Baht 2.85 per share, amounting to Baht 12,713 million. The Company had paid an interim dividend of the first half year of 2016 at Baht 1.05 per share, amounting to Baht 4,683 million on 20 September 2016. The remaining dividend was paid for the second half year of 2016 at Baht 1.80 per share, amounting to Baht 8,029 million. The dividend was paid to the shareholders in April 2017.

At the Annual General Meeting of the shareholders of the Company held on 5 April 2016, the shareholders approved the appropriation of annual dividend from 2015 performance at Baht 2.80 per share, amounting to Baht 12,561 million. The Company had paid interim dividend of the first half year of 2015 at Baht 1.50 per share, amounting to Baht 6,763 million on 22 September 2015. The remaining dividend was paid for the second half year of 2015 at Baht 1.30 per share, amounting to Baht 5,798 million. The dividend was paid to the shareholders in April 2016.

### 16 Financial instruments carried at fair value

Carrying amounts and fair values of financial assets and liabilities in the consolidated and separate statement of financial position are as follows:

	Consolidated financial statements						
	Carrying amount			Fair value			
	Current	Non-current	Total	Level 1	Level 2	Level 3	Total
	<i>(in million Baht)</i>						
<b>30 June 2017</b>							
<b><i>Financial assets</i></b>							
Debt securities available for sale	1,987	5,786	7,773	-	7,773	-	7,773
Equity securities available for sale	-	296	296	296	-	-	296
Derivatives	121	-	121	-	121	-	121
<b>Total</b>	<b>2,108</b>	<b>6,082</b>	<b>8,190</b>	<b>296</b>	<b>7,894</b>	<b>-</b>	<b>8,190</b>
<b><i>Financial liabilities</i></b>							
Derivatives	214	41	255	-	255	-	255
<b>Total</b>	<b>214</b>	<b>41</b>	<b>255</b>	<b>-</b>	<b>255</b>	<b>-</b>	<b>255</b>
<b>31 December 2016</b>							
<b><i>Financial assets</i></b>							
Debt securities available for sale	1,924	5,313	7,237	-	7,237	-	7,237
Derivatives	58	-	58	-	58	-	58
<b>Total</b>	<b>1,982</b>	<b>5,313</b>	<b>7,295</b>	<b>-</b>	<b>7,295</b>	<b>-</b>	<b>7,295</b>
<b><i>Financial liabilities</i></b>							
Derivatives	167	24	191	-	191	-	191
<b>Total</b>	<b>167</b>	<b>24</b>	<b>191</b>	<b>-</b>	<b>191</b>	<b>-</b>	<b>191</b>



# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

	Separate financial statements						
	Carrying amount			Fair value			
	Current	Non-current	Total	Level 1	Level 2	Level 3	Total
	<i>(in million Baht)</i>						
<b>30 June 2017</b>							
<b><i>Financial assets</i></b>							
Debt securities available for sale	1,987	5,786	7,773	-	7,773	-	7,773
Equity securities available for sale	-	296	296	296	-	-	296
Derivatives	113	-	113	-	113	-	113
<b>Total</b>	<b>2,100</b>	<b>6,082</b>	<b>8,182</b>	<b>296</b>	<b>7,886</b>	<b>-</b>	<b>8,182</b>
<b><i>Financial liabilities</i></b>							
Derivatives	182	41	223	-	223	-	223
<b>Total</b>	<b>182</b>	<b>41</b>	<b>223</b>	<b>-</b>	<b>223</b>	<b>-</b>	<b>223</b>
<b>31 December 2016</b>							
<b><i>Financial assets</i></b>							
Debt securities available for sale	1,924	5,313	7,237	-	7,237	-	7,237
Derivatives	53	-	53	-	53	-	53
<b>Total</b>	<b>1,977</b>	<b>5,313</b>	<b>7,290</b>	<b>-</b>	<b>7,290</b>	<b>-</b>	<b>7,290</b>
<b><i>Financial liabilities</i></b>							
Derivatives	155	24	179	-	179	-	179
<b>Total</b>	<b>155</b>	<b>24</b>	<b>179</b>	<b>-</b>	<b>179</b>	<b>-</b>	<b>179</b>

### *Fair value hierarchy*

The table above analyses recurring fair value measurements for financial assets and financial liabilities. These fair value measurements are categorised into different levels in the fair value hierarchy based on the inputs to valuation techniques used. The different levels are defined as follows:

- Level 1: quoted prices (unadjusted) in active markets for identical assets or liabilities that the Group can access at the measurement date.
- Level 2: inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices).
- Level 3: unobservable inputs and assumptions for fair value measurement for the assets or liabilities.

Level 2 fair values for debt instrument are based on the yield rate quoted by the Thai Bond Market Association or other markets and for simple over-the-counter derivative financial instruments are based on broker quotes. Those quotes are tested for reasonableness by discounting expected future cash flows using market interest rate for a similar instrument at the measurement date. Fair values reflect the credit risk of the instrument and include adjustments to take account of the credit risk of the Group and counterparty when appropriate.

# PTT Global Chemical Public Company Limited and its Subsidiaries

## Notes to the interim financial statements

For three-month and six-month periods ended 30 June 2017 (Unaudited)

### 17 Commitments with non-related parties

	Consolidated financial statements		Separate financial statements	
	30 June 2017	31 December 2016	30 June 2017	31 December 2016
	<i>(in million Baht)</i>			
<b>Capital commitments</b>				
<i>Contracted but not provided for</i>				
Land	2	2	2	2
Plant, machinery and equipment	2,577	4,213	1,838	3,686
Buildings	52	39	31	39
Others	470	713	470	713
<b>Total</b>	<b>3,101</b>	<b>4,967</b>	<b>2,341</b>	<b>4,440</b>
<b>Non-cancellable operating lease commitments</b>				
Within one year	93	169	43	113
After one year but within five years	870	876	649	657
After five years	2,617	2,623	2,281	2,353
<b>Total</b>	<b>3,580</b>	<b>3,668</b>	<b>2,973</b>	<b>3,123</b>
<b>Other commitments</b>				
Unused letters of credits	80	353	-	-
Bank guarantees	2,573	2,756	367	1,001
Guarantees for credit facilities and bank guarantees	8,548	8,307	8,547	8,306
Other agreements	9,754	10,212	9,542	9,719
<b>Total</b>	<b>20,955</b>	<b>21,628</b>	<b>18,456</b>	<b>19,026</b>

### 18 Litigation

#### (a) Purchase and sales of raw materials agreement legal case

On 3 December 2009, a company filed for arbitration against PTT Plc. ("PTT") and the Company as a producer to perform according to purchase and sales of raw materials agreement, of which the said company has been committed by PTT, or to compensate for damages of approximately Baht 13,805 million. On 8 March 2010, the dispute was thrown out of the case-list by the arbitration ruling that the Company was not a party to the contract.

On 27 August 2010, the said company filed a civil suit against PTT and the Company as a producer to perform according to purchase and sales of raw materials agreement, of which the said company has been committed by PTT, or to compensate for damages of approximately Baht 9,380 million. In this regards, the Company filed objections against the indictment with the civil court on the basis that the Company was not a party to the contract.

On 21 May 2013, the Civil Court considered that the arbitration process between such company and PTT has not yet finalised; therefore, they have temporarily thrown out of the case-list until the final decision has been reached under arbitration process. Then, either party or both parties can resubmit the case to the Civil Court for the further trail.

# **PTT Global Chemical Public Company Limited and its Subsidiaries**

## **Notes to the interim financial statements**

**For three-month and six-month periods ended 30 June 2017 (Unaudited)**

Subsequently, on 25 March 2016, the arbitration has reached a conclusion for PTT to compensate the damages in some amount. The Company believes that the outcome of the consideration will not result in any liability to the Company, and therefore, has not provided against any loss that may result from this matter in the financial statements.

### **(b) Oil spill incident legal case**

During the 3rd quarter of 2014, the number of people in Rayong filed several lawsuits with the Civil Court and Rayong Provincial Court against the Company to claim the extra compensation from oil spill incident and to perform the rehabilitation of the sea and natural environmental recovery. Some cases have been dismissed and some cases have been passed a judgement by the Civil Court on 25 August 2016 ordered the Company to compensate for damages including interest and rehabilitation, of approximately Baht 11.26 million. The Company has appealed on 17 February 2017. Nevertheless, there are remaining cases that are still on trial by Rayong Provincial Court, in which the Company believes that the outcome of the consideration will not result in material damage and material financial impact to the Company. Therefore, the Company has not provided against any loss that may result from this matter in the financial statements.

### **19 Event after the reporting period**

On 3 July 2017, the Company completed the purchase of the shares, the acceptance of the transfer of rights and obligations under the shareholders agreements and loan agreements, and the acceptance of the transfer of study resulting in the company operating the propylene and biochemical lines of the petrochemical business and related services business from PTT Public Company Limited for the amount of Baht 25,061 million. The business acquisition is considered as a business combination under common control. The net assets and interest of the share purchased will be recorded at book values as similar to pooling of interests method in the consolidated financial statements. The difference between the consideration paid and the carrying amount of net assets of the share purchased will be presented as “different arising from business combination under common control” in shareholders’ equity at the date of the transaction.

The Company is in the process of offering the Unsubordinated and Unsecured, Callable Debentures with a Debentureholders’ Representative in the Name-Registered Certificate. The debentures have an issued amount of not more than Baht 10,000 million, 4-year tenor since the issuance date with maturity date on 31 August 2021 and coupon rate of 3.05% per annum. The subscription period for public investors will be from 21 August 2017 to 30 August 2017.