**AUDITOR’S REPORT AND FINANCIAL STATEMENTS**

**OF**

**PTT PUBLIC COMPANY LIMITED AND ITS SUBSIDIARIES**

**FOR THE THREE-MONTH PERIOD ENDED MARCH 31, 2019**

**PTT PUBLIC COMPANY LIMITED AND ITS SUBSIDIARIES**

**NOTES TO INTERIM FINANCIAL STATEMENTS**

**FOR THE THREE-MONTH PERIOD ENDED MARCH 31, 2019**

**(UNAUDITED BUT REVIEWED)**

|  |  |
| --- | --- |
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**PTT PUBLIC COMPANY LIMITED AND ITS SUBSIDIARIES**

**NOTES TO INTERIM FINANCIAL STATEMENTS**

**FOR THE THREE-MONTH PERIOD ENDED MARCH 31, 2019**

**(UNAUDITED BUT REVIEWED)**

**1. General Information**

PTT Public Company Limited (the Company) is incorporated as a public limited company in Thailand, and is listed on the Stock Exchange of Thailand. The address of its incorporated and registered office is as follows:

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

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

The Company’s principal activity is the operation of its petroleum business. The Company has invested in subsidiaries, joint arrangements and associates (the Group), which are engaged in upstream petroleum and natural gas, downstream petroleum, Technology and Engineering, and other related businesses as described in Note 28 Operating Segments.

**2. Basis of Financial Statements Preparation**

* 1. Purpose of the Interim Financial Statements

These interim financial statements are prepared in order to provide additional information other than that included in the latest annual financial statements. Accordingly, these interim financial statements focus on the reporting of new activities, events and circumstances so as not to repeat information previously reported. These interim financial statements should therefore be read in conjunction with the latest annual financial statements.

* 1. Basis of Interim Financial Statement Preparation

These interim financial statements are prepared in accordance with Thai Accounting Standard No. 34 (revised 2018) “Interim Financial Reporting”, and Thai Financial Reporting Standards under the Accounting Act, B.E. 2543. These are Thai Financial Reporting Standards under the Accounting Profession Act, B.E. 2547, including guidelines promulgated by the Federation of Accounting Professions (FAP), and applicable rules and regulations of the Securities and Exchange Commission under the Securities and Exchange Act, B.E. 2535. The content of the interim financial statements comprises the statement of financial position, statement of income, statement of comprehensive income, statement of changes in equity and statement of cash flows in the same format as that used for the annual financial statements and condensed notes.

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

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

**3. Accounting Policies**

3.1 New Thai Financial Reporting Standards (TFRSs) which are published in the Government Gazette Effective for accounting periods on or after January 1, 2020

**The** **financial instruments standards**

|  |  |
| --- | --- |
| ⯁ TAS 32 | Financial Instruments: Presentation |
| ⯁ TFRS 7 | Financial Instruments: Disclosures |
| ⯁ TFRS 9 | Financial Instruments |
| ⯁ TFRIC 16 | Hedges of a Net Investment in a Foreign Operation |
| ⯁ TFRIC 19 | Extinguishing Financial Liabilities with Equity Instruments |

The above financial instruments standards will replace the following standards.

|  |  |
| --- | --- |
| ⯁ TAS 101 | Doubtful Accounts and Bad Debts |
| ⯁ TAS 103 | Disclosures in the Financial Statements of Banks and Similar Financial Institutions |
| ⯁ TAS 104 (revised 2016) | Accounting for Troubled Debt Restructuring |
| ⯁ TAS 105 (revised 2016) | Accounting for Investments in Debt and Equity Securities |
| ⯁ TAS 106 | Accounting For Investment Entities |
| ⯁ TAS 107 (revised 2016) | Financial Instruments: Disclosure and Presentation |
| ⯁ TI-9 | Assets Transferred by Debtors for Debt Settlement |

**TFRS 16 Lease** will replace the following standards.

|  |  |
| --- | --- |
| ⯁ TAS 17 (revised 2018) | Leases |
| ⯁ TSIC 15 (revised 2018) | Operating Leases - Incentives |
| ⯁ TSIC 27 (revised 2018) | Evaluating the Substance of Transactions Involving the Legal Form of a Lease |
| ⯁TFRIC 4 (revised 2018) | Determining Whether an Arrangement Contains a Lease | |

The management of the Group is now assessing the effects of the first time applying new TFRSs. The Group does not plan to early adopt this standard.

3.2 Accounting Policies

In preparing the interim financial statements, the same accounting policies and computation methods used in the financial statements for the year ended December 31, 2018 are applied, except the revised and new TASs, TFRSs and Interpretations, which are effective for accounting periods beginning on or after January 1, 2019. Such application has no any significant impact on the consolidated and the separate financial statements.

**4. Cash and Cash Equivalents**

Cash and cash equivalents as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31,  2018 | March 31,  2019 | December 31,  2018 |
| Cash on hand | 373.27 | 1,885.77 | 22.00 | 9.77 |
| Call deposits held at banks | 157,858.08 | 119,956.06 | 46,619.24 | 40,015.70 |
| Fixed deposits within 3 months | 129,802.13 | 126,019.92 | 14,166.99 | 21,237.82 |
| Treasury bills | 7,158.62 | 16,736.58 | - | - |
| Promissory notes | 9,488.00 | 50.07 | - | - |
| Bonds | 18,748.15 | 24,940.76 | 18,748.15 | 24,940.76 |
| Restricted bank cash \* | 7,037.64 | 1,087.99 | - | - |
| Other investments | 9,697.10 | 1,507.17 | 7,906.73 | - |
| Total | 340,162.99 | 292,184.32 | 87,463.11 | 86,204.05 |

Call deposits held at banks, fixed deposits within 3 months, treasury bills, promissory notes, bonds, restricted bank cash and other investments, as at March 31, 2019 bear the interest at rates ranging from 0.00% - 7.27% per annum (December 31, 2018: interest rates ranging from 0.00% - 6.08% per annum).

\*As at March 31, 2019, The PTTEP Group has restricted cash that is a deposit in Escrow Account at a financial institution used as collateral according to SSPA, to acquire all business of Murphy Oil Corporation (Murphy) in Malaysia, amounting to USD 205.20 million (Baht 6,527.76 million) as described in Note 33.2.

**5. Trade Accounts Receivable**

Trade accounts receivable as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31,  2018 | March 31,  2019 | December 31,  2018 |
| Trade accounts receivable - others | 181,427.20 | 169,681.36 | 65,085.49 | 69,440.91 |
| Less Allowance for doubtful accounts | (3,051.67) | (3,083.52) | (1,889.00) | (1,889.06) |
| Trade accounts receivable - others - net | 178,375.53 | 166,597.84 | 63,196.49 | 67,551.85 |
| Trade accounts receivable  - related parties - net (Note 8.1) | 6,483.60 | 8,006.86 | 67,632.52 | 71,124.00 |
| Total | 184,859.13 | 174,604.70 | 130,829.01 | 138,675.85 |

Aging analysis is as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31,  2018 | March 31,  2019 | December 31,  2018 |
| Within credit terms | 181,037.34 | 171,248.71 | 128,917.96 | 137,068.82 |
| Overdue |  |  |  |  |
| - Within 3 months | 3,446.82 | 2,730.43 | 1,547.03 | 993.14 |
| - Over 3 - 6 months | 173.36 | 506.99 | 115.34 | 517.70 |
| - Over 6 - 12 months | 223.46 | 198.70 | 217.25 | 147.44 |
| - Over 12 months | 3,072.94 | 3,046.51 | 1,920.43 | 1,837.81 |
|  | 187,953.92 | 177,731.34 | 132,718.01 | 140,564.91 |
| Less Allowance for doubtful accounts | (3,094.79) | (3,126.64) | (1,889.00) | (1,889.06) |
| Total | 184,859.13 | 174,604.70 | 130,829.01 | 138,675.85 |

Trade accounts receivable - others as at March 31, 2019 include receivables from government agencies and state enterprises in the consolidated financial statements amounting to Baht 20,741.62 million (December 31, 2018: Baht 20,834.35 million), and in the separate financial statements amounting to Baht 17,331.12 million (December 31, 2018: Baht 17,945.50 million).

**6. Other Accounts Receivable**

Other accounts receivable as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Other accounts receivable | 39,064.79 | 37,906.98 | 1,536.34 | 1,473.57 |
| Less Allowance for doubtful accounts | (567.63) | (628.18) | (426.30) | (427.97) |
| Other accounts receivable | 38,497.16 | 37,278.80 | 1,110.04 | 1,045.60 |
| Advance payments | 18,744.56 | 16,199.20 | 692.97 | 270.44 |
| Refund receivable from the Oil  Stabilization Fund | 12,765.85 | 19,691.94 | 6,399.52 | 13,204.37 |
| Current tax assets | 4,182.61 | 3,491.54 | - | - |
| Other accounts receivable - others - net | 74,190.18 | 76,661.48 | 8,202.53 | 14,520.41 |
| Other accounts receivable - related parties - net (Note 8.2) | 1,255.93 | 1,709.97 | 10,795.42 | 2,440.04 |
| Advance payments - related parties (Note 8.2) | 347.07 | 455.62 | 239.41 | 353.73 |
| Total | 75,793.18 | 78,827.07 | 19,237.36 | 17,314.18 |

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

**7. Lending Loans**

7.1 Short-term lending loans as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Current portion of financial lease receivable - others | 1,180.69 | 700.86 | - | - |
| Current portion of financial lease receivable - related parties (Note 8.2) | 3.99 | 3.95 | - | - |
| Short-term lending loans - others | 653.50 | 835.97 | - | - |
|  |  |  |  |  |
| Short-term lending loans  - related parties | 827.19 | 843.83 | 31,981.65 | 7,334.32 |
| Less Allowance for doubtful accounts | (589.86) | (601.69) | - | - |
| Short-term lending loans - related parties - net (Note 8.2) | 237.33 | 242.14 | 31,981.65 | 7,334.32 |
| Total | 2,075.51 | 1,782.92 | 31,981.65 | 7,334.32 |

7.2 Long-term lending loans as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Long-term financial lease receivable - others | 7,284.11 | 4,653.33 | - | - |
| Long-term financial lease receivable - related parties (Note 8.3) | 51.70 | 52.71 | - | - |
| Long-term lending loans - others | 2,536.79 | 2,979.62 | - | - |
|  |  |  |  |  |
| Long-term lending loans -  related parties | 6,573.37 | 6,177.05 | 30,992.02 | 32,895.68 |
| Less Allowance for doubtful accounts | - | - | - | - |
| Long-term lending loans -  related parties - net (Note 8.3) | 6,573.37 | 6,177.05 | 30,992.02 | 32,895.68 |
| Total | 16,445.97 | 13,862.71 | 30,992.02 | 32,895.68 |

**8. Related Party Transactions**

In the separate financial statements, significant transactions carried out with related parties include discontinued operations

Significant transactions carried out with related parties are as follows:

8.1 Trade accounts receivable - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Subsidiaries | - | - | 63,359.53 | 65,585.72 |
| Joint ventures | 2,549.74 | 3,747.90 | 1,431.62 | 2,213.24 |
| Associates | 1,477.38 | 1,318.08 | 343.91 | 341.80 |
| Other related parties | 2,499.60 | 2,984.00 | 2,497.46 | 2,983.24 |
|  | 6,526.72 | 8,049.98 | 67,632.52 | 71,124.00 |
| Less Allowance for doubtful accounts | (43.12) | (43.12) | - | - |
| Total (Note 5) | 6,483.60 | 8,006.86 | 67,632.52 | 71,124.00 |

Aging analysis is as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Within credit terms | 6,435.11 | 7,982.56 | 67,560.76 | 71,040.94 |
| Overdue |  |  |  |  |
| - Within 3 months | 44.56 | 23.87 | 13.53 | 10.06 |
| - Over 3 - 6 months | 3.50 | - | - | 73.00 |
| - Over 6 - 12 months | 0.01 | - | 58.23 | - |
| - Over 12 months | 43.54 | 43.55 | - | - |
|  | 6,526.72 | 8,049.98 | 67,632.52 | 71,124.00 |
| Less Allowance for doubtful accounts | (43.12) | (43.12) | - | - |
| Total (Note 5) | 6,483.60 | 8,006.86 | 67,632.52 | 71,124.00 |

**8. Related Party Transactions** (Continued)

8.2 Other accounts receivable, advance payments, current portion of financial lease receivable, and short-term lending loans - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Other accounts receivable |  |  |  |  |
| Subsidiaries | - | - | 10,557.06 | 2,420.38 |
| Joint ventures | 648.53 | 416.42 | 221.85 | 16.18 |
| Associates | 267.28 | 358.17 | 15.77 | 2.91 |
| Other related parties | 429.48 | 1,018.76 | 0.74 | 0.57 |
|  | 1,345.29 | 1,793.35 | 10,795.42 | 2,440.04 |
| Less Allowance for doubtful accounts | (89.36) | (83.38) | - | - |
| Total (Note 6) | 1,255.93 | 1,709.97 | 10,795.42 | 2,440.04 |
|  |  |  |  |  |
| Advance payments |  |  |  |  |
| Subsidiaries | - | - | 51.49 | 73.77 |
| Joint ventures | 5.33 | - | 0.75 | - |
| Other related parties | 341.74 | 455.62 | 187.17 | 279.96 |
| Total (Note 6) | 347.07 | 455.62 | 239.41 | 353.73 |
|  |  |  |  |  |

**8. Related Party Transactions** (Continued)

8.2 Other accounts receivable, advance payments, current portion of financial lease receivable, and short-term lending loans - related parties as at March 31, 2019 and December 31, 2018 (Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Current portion of financial lease receivable |  |  |  |  |
| Joint ventures (Note 7.1) | 3.99 | 3.95 | - | - |
|  |  |  |  |  |
| Short-term lending loans |  |  |  |  |
| Subsidiaries | - | - | 31,981.65 | 7,334.32 |
| Joint ventures | 827.19 | 843.83 | - | - |
|  | 827.19 | 843.83 | 31,981.65 | 7,334.32 |
| Less Allowance for doubtful accounts | (589.86) | (601.69) | - | - |
| Total (Note 7.1) | 237.33 | 242.14 | 31,981.65 | 7,334.32 |
|  |  |  |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Balance as at January 1 | 242.14 | - | 2,500.00 | - |
| - Payment for loans granted | - | 366.40 | 27,000.00 | 490.02 |
| - Receipt from loans granted | - | - | (2,500.00) | - |
| - Loss on exchange rate | (4.81) | (1.89) | - | (19.22) |
| - Currency translation differences | - | 4.69 | - | - |
| - Reversal (recognition) of allowance for doubtful accounts | - | (136.27) | - | 19.22 |
| Balance as at March 31 | 237.33 | 232.93 | 27,000.00 | 490.02 |
| Add Current portion (Note 8.3) | - | - | 4,981.65 | 5,107.41 |
| Balance as at March 31 - net | 237.33 | 232.93 | 31,981.65 | 5,597.43 |

Short-term lending loans - related parties as at March 31, 2019 in the consolidated financial statements bear the interest at rates ranging from 3.50% - 3.71% per annum (December 31, 2018: interest at rates ranging from 3.21% - 3.71% per annum), and in the separate financial statements bear the interest at rate 3.25% per annum (December 31, 2018: interest at rate 2.81% per annum).

**8. Related Party Transactions** (Continued)

8.3 Long-term financial lease receivable and long-term lending loans - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Long-term financial lease receivable |  |  |  |  |
| Joint ventures (Note 7.2) | 51.70 | 52.71 | - | - |
|  |  |  |  |  |
| Long-term lending loans |  |  |  |  |
| Subsidiaries | - | - | 30,992.02 | 32,895.68 |
| Joint ventures | 3,829.30 | 3,651.76 | - | - |
| Associates | 2,744.07 | 2,525.29 | - | - |
| Total (Note 7.2) | 6,573.37 | 6,177.05 | 30,992.02 | 32,895.68 |

Details of financial lease receivable - related parties as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Financial lease receivable |  |  |  |  |
| - Within 1 year | 6.00 | 6.00 | - | - |
| - Over 1 year but not over 5 years | 24.00 | 24.00 | - | - |
| - Over 5 years | 38.50 | 40.00 | - | - |
| Future finance income | (12.81) | (13.34) | - | - |
| Total | 55.69 | 56.66 | - | - |

**8. Related Party Transactions** (Continued)

8.3 Long-term financial lease receivable and long-term lending loans - related parties as at March 31, 2019 and December 31, 2018 (Continued)

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Balance as at January 1 | 6,177.05 | 9,282.31 | 37,730.00 | 27,403.48 |
| - Payment for loans granted | 250.90 | 6.53 | - | 200.00 |
| - Receipt from loans granted | - | - | (1,707.21) | (21,422.42) |
| - Business acquisition | 220.00 | - | - | - |
| - Loss on exchange rate | (71.37) | (303.28) | (49.12) | (1,307.08) |
| - Currency translation differences | (3.21) | (2.39) | - | - |
| - Reversal of allowance for doubtful  accounts | - | - | - | 22,120.52 |
| Balance as at March 31 | 6,573.37 | 8,983.17 | 35,973.67 | 26,994.50 |
| Less Current portion (Note 8.2) | - | - | (4,981.65) | (5,107.41) |
| Balance as at March 31 - net | 6,573.37 | 8,983.17 | 30,992.02 | 21,887.09 |

Long-term lending loans - related parties as at March 31, 2019 in the consolidated financial statements bear the interest at rates ranging from 3.66% - 7.38% per annum (December 31, 2018: interest at rates ranging from 3.66% - 6.94% per annum), and in the separate financial statements bear the interest at rates ranging from 2.88% - 4.68% per annum (December 31, 2018: interest at rates ranging from 2.88% - 4.68% per annum).

**8. Related Party Transactions** (Continued)

8.4 Trade accounts payable - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Subsidiaries | - | - | 39,481.04 | 38,012.70 |
| Joint ventures | 691.14 | 1,078.38 | 247.37 | 260.85 |
| Associates | 311.22 | 320.34 | - | - |
| Other related parties | 2.90 | 8.51 | - | - |
| Total | 1,005.26 | 1,407.23 | 39,728.41 | 38,273.55 |

8.5 Other accounts payable, current portion of financial lease liability, and short-term loans - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Other accounts payable |  |  |  |  |
| Subsidiaries | - | - | 8,810.31 | 11,927.90 |
| Joint ventures | 55.32 | 46.58 | 16.24 | 7.25 |
| Associates | 20.50 | 24.23 | 13.27 | 16.31 |
| Other related parties | 76.49 | 88.86 | 31.88 | 57.51 |
| Total | 152.31 | 159.67 | 8,871.70 | 12,008.97 |
|  |  |  |  |  |
| Current portion of financial lease liability |  |  |  |  |
| Subsidiaries | - | - | 0.72 | - |
| Joint venture | 393.94 | 400.42 | 393.94 | 400.42 |
| Total | 393.94 | 400.42 | 394.66 | 400.42 |
|  |  |  |  |  |
| Short-term loans\* |  |  |  |  |
| Subsidiaries | - | - | 2,489.35 | 3,332.70 |

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

**8. Related Party Transactions** (Continued)

8.6 Long-term finance lease liability - related parties as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Subsidiaries | - | - | 3.57 | - |
| Joint venture | 3,662.88 | 3,841.51 | 3,662.88 | 3,841.51 |
| Total | 3,662.88 | 3,841.51 | 3,666.45 | 3,841.51 |

Details of finance lease liability - related parties as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Finance lease liability |  |  |  |  |
| - Within 1 year | 445.91 | 453.54 | 446.97 | 453.54 |
| - Over 1 year but not over 5 years | 1,780.00 | 1,815.42 | 1,784.21 | 1,815.42 |
| - Over 5 years | 2,115.04 | 2,270.20 | 2,115.04 | 2,270.20 |
| Future finance charges | (284.13) | (297.23) | (285.11) | (297.23) |
| Total | 4,056.82 | 4,241.93 | 4,061.11 | 4,241.93 |

**8. Related Party Transactions** (Continued)

8.7 Revenue and expense transactions carried out with related parties

For the three-month periods ended March 31, 2019 and December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Revenues |  |  |  |  |
| Sales and service income |  |  |  |  |
| Subsidiaries | - | - | 161,131.29 | 168,754.85 |
| Joint ventures | 6,095.68 | 6,657.18 | 3,558.02 | 3,704.44 |
| Associates | 3,129.38 | 3,868.62 | 930.68 | 789.17 |
| Other related parties | 3,269.60 | 3,196.27 | 3,265.01 | 3,193.31 |
| Interest income |  |  |  |  |
| Subsidiaries | - | - | 372.04 | 270.45 |
| Joint ventures | 54.47 | 66.79 | - | - |
| Associates | 39.48 | 39.48 | - | - |
| Dividend income |  |  |  |  |
| Subsidiaries | - | - | 8,442.46 | 146.12 |
| Joint ventures | - | - | 211.85 | 19.67 |
| Other related parties | 72.00 | - | - | - |
| Other income |  |  |  |  |
| Subsidiaries | - | - | 1,829.28 | 1,220.30 |
| Joint ventures | 84.13 | 41.96 | 15.98 | 18.54 |
| Associates | 47.34 | 16.18 | 5.46 | 13.11 |
| Other related parties | 13.06 | 15.70 | 12.42 | 15.67 |
|  |  |  |  |  |
| Expenses |  |  |  |  |
| Cost of goods purchased and services | | | | |
| Subsidiaries | - | - | 70,605.53 | 146,662.40 |
| Joint ventures | 2,036.09 | 2,292.91 | 350.81 | 381.28 |
| Associates | 796.53 | 866.19 | 0.15 | 584.44 |
| Other related parties | 325.92 | 305.74 | 63.62 | 65.71 |
| Interest expenses |  |  |  |  |
| Subsidiaries | - | - | 9.52 | 5.88 |
| Joint ventures | 13.10 | 14.33 | 13.10 | 14.33 |
| Other expenses |  |  |  |  |
| Subsidiaries | - | - | 773.78 | 194.17 |
| Joint ventures | 7.57 | 139.04 | - | 0.05 |
| Associates | 12.93 | 12.87 | 2.10 | 0.30 |
| Other related parties | 86.21 | 79.72 | 29.85 | 40.88 |

**8. Related Party Transactions** (Continued)

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

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

Stipulation prices between the Company and its related parties are based on normal prices for the same types of business transactions carried out with non-related parties. Goods purchased from subsidiaries are charged at the normal prices determined by the subsidiaries with reference to global market prices.

8.8 Details of commitments to subsidiaries and joint ventures are stated in Note 32.1.

8.9 Crude oil and refined product purchase and sale transactions carried out with related parties without physical delivery, with the objective of maintaining crude oil and refined product reserves and inventory management, were reversed in the financial statements.

Detail of these transactions for the three-month periods ended March 31, 2019 and December 31, 2018 are as follow:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Sales |  |  |  |  |
| Subsidiaries | - | - | 3,143.00 | 637.83 |
|  |  |  |  |  |
| Purchases |  |  |  |  |
| Subsidiaries | - | - | 3,192.05 | 657.20 |

8.10 Executive remunerations

Detail of executive remunerations for the three-month periods ended March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Directors remuneration |  |  |  |  |
| Meeting remuneration and bonuses | 90.53 | 85.94 | 15.78 | 15.97 |
|  |  |  |  |  |
| Managements remuneration |  |  |  |  |
| Salaries, bonuses, and other  employee benefits | 244.92 | 272.93 | 19.22 | 35.03 |
| Post-employment benefits | 6.47 | 1.59 | 0.47 | 0.62 |
| Total (Note 27) | 341.92 | 360.46 | 35.47 | 51.62 |

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

**9. Inventories**

Inventories as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31,  2019 | December 31, 2018 | March 31,  2019 | December 31, 2018 |
| Inventories | 111,805.52 | 98,897.63 | 5,014.64 | 9,394.42 |
| Inventories - legal reserves | 22,241.73 | 26,382.19 | 818.03 | 853.07 |
| Total | 134,047.25 | 125,279.82 | 5,832.67 | 10,247.49 |

**10. The Restructuring of the Oil Business Unit**

On June 18, 2018, the Company and PTTOR successfully executed the Business Transfer Agreement to transfer various assets and liabilities, and shares of related companies (BAFS, PTTCL, PTTOM, TLBC, THAPPLINE, PAT, IPS and FPT) to PTTOR. The Company has commenced the process of transferring various assets and liabilities, and shares of related companies to PTTOR since July 1, 2018. The business transfer price is Baht 117,203.26 million. On June 28, 2018, PTTOR made the initial payment of Baht 85,366.92 million to the Company. Then, PTTOR made the remaining payment of Baht 31,836.34 million on September 28, 2018.

The valuation of the business transferred had been evaluated by financial advisors following relevant international standards in order to provide the most reasonable prices.

In cases where the registration process for the transfer of various assets and liabilities is not completed within 6 months after the date of the business transfer, the Company must comply with the conditions under the Business Transfer Agreement, whereby the Company has to transfer the right of ownership and use in assets to PTTOR, which is entitled to benefits, interests or profits from the assets under the agreement from the date of the business transfer until the registration process is completed.

As at March 31, 2019, some assets and contracts have not yet been transferred. The Company and PTTOR are in the process of executing the memorandum for the revision of the Business Transfer Agreement by extending the period for the process of registering the transfer of ownership in assets, rights, duties and responsibilities under agreements, in accordance with the Business Transfer Agreement, whereby it is to be completed within December 31, 2019.

As a result of the Business Transfer Agreement, the Company presented the operating results of the related oil business unit as discontinued segment. The Company presented the operating results of the discontinued segment separately from those of the normal operation in the separate financial statements. The Company reclassified the transactions of this segment that were undertaken in 2018. However, the Company presented the statement of cash flows before the deduction of discontinued operations’ portion.

Overall, there is no impact on the consolidated financial statements from the disposal of discontinued operations since this transaction is the business combination under common control .

**10. The Restructuring of the Oil Business Unit** (Continued)

The operating results of the discontinued operations in the financial information for the three-month periods ended March 31, 2018 are as follows:

| Unit: Million Baht | |
| --- | --- |
|  | Separate financial statements |
|  | 2018 |
| **Statement of income** |  |
| Sales and service income | 144,370.51 |
| Cost of sales and services | (135,639.44) |
| Gross profit | 8,731.07 |
| Other income | 880.81 |
| Loss on foreign exchange rates | (182.50) |
| Profit before expenses | 9,429.38 |
| Selling and distribution expenses | (3,244.82) |
| Administrative expenses | (1,517.70) |
| Profit before finance costs and income taxes | 4,666.86 |
| Finance costs | (2.02) |
| Profit before income taxes | 4,664.84 |
| Income taxes | (1,193.51) |
| Profit for the periods from discontinued operations, net of tax | 3,471.33 |

| Unit: Million Baht | |
| --- | --- |
|  | Separate financial statements |
|  | 2018 |
| **Statement of comprehensive income** |  |
| Items that may be reclassified to profit or loss in subsequent periods |  |
| Loss on measurement of available-for-sale investments | (483.75) |
| Income taxes related to available-for-sale investments | 96.75 |
| Other comprehensive loss for the periods from discontinued operations, net of tax | (387.00) |

**10. The Restructuring of the Oil Business Unit** (Continued)

Net cash flows of the discontinued operations for the three-month periods ended March 31, 2018 are as follows:

|  |  |
| --- | --- |
| Unit: Million Baht | |
|  | Separate financial statements |
|  | 2018 |
| Net cash used in operating activities | (908.42) |
| Net cash used in investing activities | (1,381.60) |
| Net cash provided by (used in) financing activities | - |
| Net cash used in the discontinued operations | (2,290.02) |

**11. Available-for-sale Investments**

11.1 Details of available-for-sale investments

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Company** | | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | | | |
|  | |  |  | **March 31,**  **2019** | | **December 31, 2018** | |
| **Available-for-sale Investments of the Company** | | |  |  | |  | |
| Investments in Equity Securities | |  |  |  | |  | |
| Dhipaya Insurance Public Co., Ltd. (TIP) | | Thailand | Insurance | 13.33 | | 13.33 | |
|  | |  |  |  | |  | |
| Investments in Mutual Funds | |  |  |  | |  | |
| CIMB - PRINCIPAL Energy and Petrochemical Index Fund  (CIMB - PRINCIPAL EPIF) | | Thailand | Mutual fund |  | |  | |
| Vayupak Fund 1 (VAYU1) | | Thailand | Mutual fund |  | |  | |
| Corporate Venture Capital Fund (CVC) | | United States  of America/ England | Mutual fund |  | |  | |
|  | |  |  |  | |  | |
| **Available-for-sale Investments of Subsidiaries** | | |  | |  | |  |
| Investments in Equity Securities | | |  | |  | |  |
| *PTTEP Group* |  | |  | |  | |  |
| Wentworth Resources Limited (WRL) | Canada | | Oil and natural gas  exploration | | 1.18 | | 1.18 |
| *PTTOR Group* |  | |  | |  | |  |
| Bangkok Aviation Fuel Services Public  Co., Ltd. (BAFS) | Thailand | | Aircraft refuelling services | | 7.06 | | 7.06 |
|  |  | |  | |  | |  |
| *IRPC Group* |  | |  | |  | |  |
| Bangkok Union Insurance Public Co., Ltd. (BUI) | Thailand | | Insurance | | 0.35 | | 0.35 |
| TPI Polene Public Co., Ltd. (TPIPL) | Thailand | | Property, construction and petrochemicals | | 0.14 | | 0.14 |
|  |  | |  | |  | |  |
| *PTTGM Group* |  | |  | |  | |  |
| Xanadu Mines Ltd. (XML) | Mongolia | | Mineral exploration | | 3.80 | | 3.80 |
|  |  | |  | |  | |  |
| Investment in Debt Securities |  | |  | |  | |  |
| *PTTGC Group* |  | |  | |  | |  |
| Debt Securities Available for Sale  (in Private Fund) (DSAFS) | Thailand | | Private Fund | |  | |  |

**11. Available-for-sale Investments** (Continued)

11.1 Details of available-for-sale investments (Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31, 2018** |
| **Available-for-sale Investments of Subsidiaries** (Continued) | |  |  |  |
| Investments in Mutual Funds |  |  |  |  |
| *PTTLNG* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTNGD Group* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *EnCo* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTOR Group* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTT TANK* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTT Group* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTGC Group* |  |  |  |  |
| CIMB - PRINCIPAL Energy and Petrochemical Index Fund  (CIMB - PRINCIPAL EPIF) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *TOP Group* |  |  |  |  |
| CIMB - PRINCIPAL Energy and Petrochemical Index Fund  (CIMB - PRINCIPAL EPIF) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTER Group* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |
|  |  |  |  |  |
| *PTTRTC* |  |  |  |  |
| Vayupak Fund 1 (VAYU1) | Thailand | Mutual fund |  |  |

**11. Available-for-sale Investments** (Continued)

11.2 Details of available-for-sale investments as at March 31, 2019 and December 31, 2018 are as follows:

Unit: Million Baht

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Ownership interest (%)** | | **Consolidated**  **financial statements** | | **Separate**  **financial statements** | | **Dividends income for**  **the three-month periods ended March 31** | |
| **March 31,**  **2019** | **December 31, 2018** | **March 31,**  **2019** | **December 31, 2018** | **March 31,**  **2019** | **December 31, 2018** | **2019** | **2018** |
| Available-for-sale investments  in Equity Securities |  |  |  |  |  |  |  |  |
| 1. TIP | 13.33 | 13.33 | 312.00 | 312.00 | 312.00 | 312.00 | - | - |
| 2. WRL | 1.18 | 1.18 | 35.37 | 34.91 | - | - | - | - |
| 3. BAFS | 7.06 | 7.06 | 24.00 | 24.00 | - | - | - | - |
| 4. BUI | 0.35 | 0.35 | 2.35 | 2.35 | - | - | - | - |
| 5. TPIPL | 0.14 | 0.14 | 64.86 | 64.86 | - | - | 0.57 | - |
| 6. XML | 3.80 | 3.80 | 233.45 | 238.13 | - | - | - | - |
| Total |  |  | 672.03 | 676.25 | 312.00 | 312.00 |  |  |
|  |  |  |  |  |  |  |  |  |
| Available-for-sale investments  in Debt Securities |  |  |  |  |  |  |  |  |
| 7. DSAFS |  |  | 1,732.11 | 5,967.16 | - | - | - | - |
| Total |  |  | 1,732.11 | 5,967.16 | - | - |  |  |
|  |  |  |  |  |  |  |  |  |
| Available-for-sale investments  in Mutual Funds |  |  |  |  |  |  |  |  |
| 8. CIMB - PRINCIPAL EPIF |  |  | 854.03 | 854.03 | 254.02 | 254.03 | 21.70 | 8.68 |
| 9. VAYU1 |  |  | 14.95 | 15.00 | 10.00 | 10.00 | 0.04 | - |
| 10. CVC |  |  | 430.35 | 386.48 | 430.35 | 386.48 | - | - |
| Total |  |  | 1,299.33 | 1,255.51 | 694.37 | 650.51 |  |  |
| Total available-for-sale investments  before changes in value of investments |  |  | 3,703.47 | 7,898.92 | 1,006.37 | 962.51 |  |  |
| Allowance for changes in value |  |  | 3,179.89 | 3,015.36 | 1,618.78 | 1,617.05 |  |  |
| Less Allowance for impairment |  |  | (37.59) | (38.35) | - | - |  |  |
| Total |  |  | 6,845.77 | 10,875.93 | 2,625.15 | 2,579.56 | 22.31 | 8.68 |

**12. Investments in Subsidiaries, Joint Ventures and Associates**

12.1 Details of subsidiaries and joint ventures of the Company

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| Subsidiaries |  |  |  |  |
| PTT Exploration and Production Public  Co., Ltd. (PTTEP) | Thailand | Petroleum exploration and production | 65.29 | 65.29 |
| PTT LNG Co., Ltd. (PTTLNG) | Thailand | Natural gas | 100.00 | 100.00 |
| PTT Natural Gas Distribution Co., Ltd. (PTTNGD) | Thailand | Natural gas | 58.00 | 58.00 |
| PTT Global LNG Co., Ltd. (PTTGL)  (The Group holds 100% shareholding) | Thailand | Investing in LNG business | 50.00 | 50.00 |
| Energy Complex Co., Ltd. (EnCo) (The Group holds 100% shareholding) | Thailand | Real estate development for rent | 50.00 | 50.00 |
| PTT Energy Solutions Co., Ltd. (PTTES) (The Group holds 100% shareholding) | Thailand | Technical and operational services | 40.00 | 40.00 |
| Global Power Synergy Public Co., Ltd. (GPSC) (The Group holds 75% shareholding) | Thailand | Generation and supply of electricity, steam and water for industries | 22.58 | 22.58 |
| PTT Oil and Retail Business Public Co., Ltd. (PTTOR) | Thailand | Management services and oil marketing | 100.00 | 100.00 |
| PTT Tank Terminal Co., Ltd. (PTT TANK) | Thailand | Terminal and warehouse | 100.00 | 100.00 |
| PTT International Trading Pte. Ltd. (PTTT) | Singapore | International trading | 100.00 | 100.00 |
| PTT International Trading London Limited  (PTTT LDN) | England | International trading | 100.00 | 100.00 |
| PTT Global Chemical Public Co., Ltd. (PTTGC) | Thailand | Petrochemicals and refining | 48.18 | 48.18 |
| Thai Oil Public Co., Ltd. (TOP) | Thailand | Oil refining | 48.03 | 48.03 |
| IRPC Public Co., Ltd. (IRPC) | Thailand | Petrochemicals and refining | 48.05 | 48.05 |
| Thai Oil Power Co., Ltd. (TP) (The Group holds 100% shareholding) | Thailand | Generation and supply of electricity and steam | 26.00 | 26.00 |
| PTT Energy Resources Co., Ltd. (PTTER) | Thailand | Investment consulting in energy and mining business | 100.00 | 100.00 |
| PTT Global Management Co., Ltd. (PTTGM) | Thailand | Domestic and international investment | 100.00 | 100.00 |
| PTT Green Energy Pte. Ltd. (PTTGE) | Singapore | Investing in palm oil business | 100.00 | 100.00 |
| PTT Regional Treasury Center Pte. Ltd. (PTTRTC) | Singapore | Treasury services | 100.00 | 100.00 |
| PTT Treasury Center Co., Ltd. (PTT TCC) | Thailand | Treasury services | 100.00 | 100.00 |
| Business Services Alliance Co., Ltd. (BSA) | Thailand | Management services | 100.00 | 100.00 |
| PTT Digital Solutions Co., Ltd.  (PTT DIGITAL) (The Group holds 100% shareholding) | Thailand | Information technology and communication services | 20.00 | 20.00 |

**12. Investments in Subsidiaries, Joint Ventures and Associates** (Continued)

12.1 Details of subsidiaries and joint ventures of the Company (Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| Joint Ventures |  |  |  |  |
| Trans Thai-Malaysia (Thailand) Co., Ltd. (TTM(T)) | Thailand | Natural gas | 50.00 | 50.00 |
| Trans Thai-Malaysia (Malaysia) Sdn. Bhd. (TTM(M)) | Malaysia | Natural gas | 50.00 | 50.00 |
| District Cooling System and Power Plant  Co., Ltd. (DCAP) | Thailand | Generation and supply of electricity and chilled water | 35.00 | 35.00 |
| Map Ta Phut Air Products Company Limited (MAP)  (The Group holds 51.00% shareholding) | Thailand | Production and distribution of industrial gas | 49.00 | - |

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.2 Details of joint ventures and associates of subsidiaries

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| Joint Ventures |  |  |  |  |
| *PTTEP Group* |  |  |  |  |
| Erawan 2 FSO Bahamas Limited (Erawan 2) | Bahamas | FSO rental services | 13.11 | 13.11 |
|  |  |  |  |  |
| *GPSC Group* |  |  |  |  |
| Thai Solar Renewable Co., Ltd. (TSR) | Thailand | Invest in other company | 40.00 | 40.00 |
| Nam Lik 1 Power Co., Ltd. (NL1PC) | Laos | Generate and supply electricity | 40.00 | 40.00 |
| Nava Nakorn Electricity Generating Co., Ltd. (NNEG) | Thailand | Generate and supply electricity | 30.00 | 30.00 |
|  |  |  |  |  |
| *PTTGC Group* |  |  |  |  |
| Thai Ethoxylate Co., Ltd. (TEX) | Thailand | Manufacturing and distributing of petrochemical products | 50.00 | 50.00 |
| Emery Oleochemicals (M) Sdn. Bhd. (EOM) | Malaysia | Manufacturing and distributing of biochemical products | 50.00 | 50.00 |
| Emery Specialty Chemicals Sdn. Bhd. (ESC) | Malaysia | Manufacturing and distributing of chemical specialties | 50.00 | 50.00 |
| NatureWorks LLC (NTR) | United States  of America | Manufacturing and distributing of bioplastic products | 50.00 | 50.00 |
| PTT MCC Biochem Co., Ltd. (PTTMCC) | Thailand | Petrochemicals | 50.00 | 50.00 |
| PTT Asahi Chemicals Co., Ltd. (PTTAC) | Thailand | Petrochemicals | 50.00 | 50.00 |
| HMC Polymers Co., Ltd. (HMC) | Thailand | Petrochemicals | 41.44 | 41.44 |
| GGC KTIS Bioindustrial Company Limited (GKBI) | Thailand | Manufacturing and distributing of biofuel | 50.00 | - |
| Revolve Group Limited (RGL) | England | Manufacturing and distributing of chemical | 49.00 | - |
|  |  |  |  |  |
| *TOP Group* |  |  |  |  |
| TOP-NTL Pte. Ltd. (TOP-NTL) | Singapore | Fund management services | 50.00 | 50.00 |
| TOP-NTL Shipping Trust (TOP-NTL(BT)) | Singapore | Investing in other companies | 50.00 | 50.00 |
| TOP-NYK MarineOne Pte. Ltd. (TOP-NYK) | Singapore | Marine transportation services | 50.00 | 50.00 |
| TOP Nautical Star Co., Ltd. (TOP-NS) | Thailand | Storage and marine transportation services | 35.00 | 35.00 |
|  |  |  |  |  |
| *IRPC Group* |  |  |  |  |
| IRPC Polyol Co., Ltd. (IRPCP) | Thailand | Manufacturing and  sales of chemical  products for polyurethanes | 50.00 | 50.00 |

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.2 Details of joint ventures and associates of subsidiaries(Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| Joint Ventures (Continued) |  |  |  |  |
| *IRPC Group* (Continued) |  |  |  |  |
| WHA Industrial Estate Rayong Co., Ltd. (WHA IER) | Thailand | Industrial estate development | 40.00 | 40.00 |
|  |  |  |  |  |
| *PTTGM Group* |  |  |  |  |
| OGP Energy Solutions Company Limited (OGPS) | Thailand | Energy management and energy-related services | 40.00 | 40.00 |
| FEE (Bru) Pte. Ltd. (FEEBRU) | Singapore | Coal mines | 35.00 | 35.00 |
| Map Ta Phut Air Products Company Limited (MAP)  (The Group holds 51.00% shareholding) | Thailand | Production and distribution of industrial gas | 2.00 | - |
|  |  |  |  |  |
| *PTTGE Group* |  |  |  |  |
| Chancellor Oil Pte. Ltd. (Chancellor) | Singapore | Investing in other companies | 77.56 | 77.56 |
|  |  |  |  |  |
| Associates |  |  |  |  |
| *PTTEP Group* |  |  |  |  |
| PTTEP AP Group’s associates\* | Australia | Airbase services | 50.00 | 50.00 |
| Leismer Aerodrome Limited (LAL) | Canada | Air transportation | 32.00 | 32.00 |
|  |  |  |  |  |
| *GPSC Group* |  |  |  |  |
| Bangpa-in Cogeneration Co., Ltd. (BIC) | Thailand | Generate and supply electricity | 25.00 | 25.00 |
| Xayaburi Power Co., Ltd. (XPCL) | Laos | Generate and supply electricity | 25.00 | 25.00 |
| Eastern Seaboard Clean Energy Company Limited (ESCE) | Thailand | Studying, generating and supply electricity for industrial use including generating electricity from renewable energy | 33.33 | - |
|  |  |  |  |  |
| *PTTOR Group* |  |  |  |  |
| FST Aviation Services Limited (FST) | Hong Kong | Aircraft refuelling services | 25.00 | 25.00 |
| Thai Petroleum Pipeline Co., Ltd. (THAPPLINE)  (The Group holds 49.21% shareholding) | Thailand | Oil transmission pipelines | 40.53 | 40.53 |
| Petro Asia (Thailand) Co., Ltd. (PAT) | Thailand | Oil marketing | 35.00 | 35.00 |

\* Associates of PTTEP AP Group consist of Mungalalu Truscott Airbase Pty Ltd. and Troughton Island Pty Ltd.

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.2 Details of joint ventures and associates of subsidiaries(Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| Associates (Continued) |  |  |  |  |
| *PTTGC Group* |  |  |  |  |
| PT Indo Thai Trading (ITT) | Indonesia | Petrochemicals | 49.00 | 49.00 |
| Vinythai Plc. (VNT) | Thailand | Petrochemicals | 24.98 | 24.98 |
| Eastern Fluid Transport Co., Ltd. (EFT)  (The Group holds 37.65% shareholding) | Thailand | Infrastructure | 22.65 | 22.65 |
| Thai Eastern Topseeds Oil Co., Ltd. (TETSO) | Thailand | Petrochemicals | 30.00 | 30.00 |
| S.P. Petpack Inter Group Co., Ltd. (SPPETPACK) | Thailand | Petrochemicals | 25.00 | 25.00 |
| Kuraray GC Advanced Materials Co., Ltd. (KGC) | Thailand | Manufacturing of chemical specialties | 33.40 | 33.40 |
|  |  |  |  |  |
| *TOP Group* |  |  |  |  |
| T.I.M Ship Management Co., Ltd. (TIM) | Thailand | Marine transportation services | 33.33 | 33.33 |
| Ubon Bio Ethanol Co., Ltd. (UBE) | Thailand | Manufacturing and distributing of ethanol | 21.28 | 21.28 |
|  |  |  |  |  |
| *IRPC Group* |  |  |  |  |
| UBE Chemicals (Asia) Public Co., Ltd. (UCHA) | Thailand | Manufacturing and sales of petrochemical products | 25.00 | 25.00 |
|  |  |  |  |  |
| *PTTER Group* |  |  |  |  |
| East Mediterranean Gas Company S.A.E. (EMG) | Egypt | Natural gas transmission pipelines | 25.00 | 25.00 |

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.3 Investments in joint ventures in the consolidated financial statements as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | | Unit: Million Baht | |
| **Company** | **Ownership interest (%)** | | **March 31, 2019** | | **December 31, 2018** | | **Dividends income for**  **the three-month periods ended March 31** | |
| **March 31, 2019** | **December 31, 2018** | **Cost**  **method** | **Equity**  **method** | **Cost**  **method** | **Equity**  **method** | **2019** | **2018** |
| 1. TTM(T) | 50.00 | 50.00 | 4,341.80 | 4,348.18 | 4,341.80 | 4,360.08 | 73.81 | - |
| 2. TTM(M) | 50.00 | 50.00 | 1,001.31 | 1,133.29 | 1,001.31 | 1,287.38 | 119.34 | - |
| 3. DCAP | 35.00 | 35.00 | 584.50 | 932.44 | 584.50 | 936.03 | 18.70 | 19.67 |
| 4. MAP | 51.00 | - | 0.51 | 0.13 | - | - | - | - |
| 5. Erawan 2 | 13.11 | 13.11 | 496.30 | 574.75 | 506.26 | 565.02 | - | - |
| 6. TSR | 40.00 | 40.00 | 1,697.00 | 1,614.69 | 1,697.00 | 1,638.80 | 108.03 | 60.67 |
| 7. NL1PC | 40.00 | 40.00 | 452.84 | 493.41 | 427.63 | 463.49 | - | - |
| 8. NNEG | 30.00 | 30.00 | 488.40 | 561.28 | 488.40 | 536.28 | - | - |
| 9. TEX | 50.00 | 50.00 | 210.00 | 746.29 | 210.00 | 735.69 | - | 91.35 |
| 10. EOM | 50.00 | 50.00 | 4,965.77 | 4,498.79 | 4,965.77 | 4,519.32 | - | - |
| 11. ESC | 50.00 | 50.00 | 407.04 | - | 407.04 | - | - | - |
| 12. NTR | 50.00 | 50.00 | 4,793.33 | 3,017.42 | 4,793.33 | 2,842.40 | - | - |
| 13. PTTMCC | 50.00 | 50.00 | 930.12 | 191.05 | 930.12 | 214.68 | - | - |
| 14. PTTAC | 50.00 | 50.00 | 6,909.41 | 9,868.70 | 6,909.41 | 9,569.39 | - | - |
| 15. HMC | 41.44 | 41.44 | 9,117.12 | 13,037.44 | 9,117.12 | 12,885.23 | - | - |
| 16. GKBI | 50.00 | - | 30.00 | 29.95 | - | - | - | - |
| 17. RGL | 49.00 | - | 269.54 | 269.54 | - | - | - | - |
| 18. TOP-NTL | 50.00 | 50.00 | 0.25 | 16.25 | 0.25 | 15.80 | - | - |
| 19. TOP-NTL(BT) | 50.00 | 50.00 | 24.05 | 72.47 | 24.05 | 67.29 | - | - |
| 20. TOP-NYK | 50.00 | 50.00 | 273.88 | 434.17 | 273.88 | 432.28 | - | - |
| 21. TOP-NS | 35.00 | 35.00 | 52.50 | 121.73 | 52.50 | 110.19 | - | - |
| 22. IRPCP | 50.00 | 50.00 | 150.00 | 21.61 | 150.00 | 45.92 | - | - |
| 23. WHA IER | 40.00 | 40.00 | 65.00 | 64.29 | 65.00 | 64.50 | - | - |
| 24. OGPS | 40.00 | 40.00 | 37.47 | 25.33 | 38.23 | 27.29 | - | - |
| 25. FEEBRU | 35.00 | 35.00 | 209.13 | 131.59 | 213.32 | 134.23 | - | - |
| 26. Chancellor | 77.56 | 77.56 | 2,891.97 | 1,263.22 | 2,949.98 | 1,288.56 | - | - |
|  |  |  | 40,399.24 | 43,468.01 | 40,146.90 | 42,739.85 |  |  |
| Less Allowance for impairment |  |  | (3,101.10) | (1,394.81) | (3,163.31) | (1,422.79) |  |  |
| Total |  |  | 37,298.14 | 42,073.20 | 36,983.59 | 41,317.06 | 319.88 | 171.69 |

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.4 Investments in associates in the consolidated financial statements as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | | Unit: Million Baht | |
| **Company** | **Ownership interest (%)** | | **March 31, 2019** | | **December 31, 2018** | | **Dividends income for**  **the three-month periods ended March 31** | |
| **March 31, 2019** | **December 31, 2018** | **Cost**  **method** | **Equity**  **method** | **Cost**  **method** | **Equity**  **method** | **2019** | **2018** |
| 1. PTTEP AP Group’s associates | 50.00 | 50.00 | 47.64 | 227.34 | 48.59 | 231.54 | - | - |
| 2. LAL | 32.00 | 32.00 | 131.57 | 124.12 | 131.78 | 125.65 | - | - |
| 3. BIC | 25.00 | 25.00 | 923.75 | 843.73 | 923.75 | 879.02 | 67.63 | 13.53 |
| 4. XPCL | 25.00 | 25.00 | 6,860.87 | 6,332.87 | 6,672.53 | 6,168.79 | - | - |
| 5. ECSE | 33.33 | - | 339.27 | 328.93 | - | - | - | - |
| 6. FST | 25.00 | 25.00 | 0.71 | 1.28 | 0.72 | 1.30 | - | - |
| 7. THAPPLINE | 49.21 | 49.21 | 3,952.72 | 5,356.05 | 3,952.72 | 5,086.82 | - | - |
| 8. PAT | 35.00 | 35.00 | 131.25 | - | 131.25 | - | - | - |
| 9. ITT | 49.00 | 49.00 | 125.28 | 233.76 | 125.28 | 220.27 | - | - |
| 10. VNT | 24.98 | 24.98 | 3,297.39 | 5,252.22 | 3,297.39 | 5,130.10 | - | - |
| 11. EFT | 37.65 | 22.65 | 3.77 | 23.97 | 2.27 | 20.15 | - | - |
| 12. TETSO | 30.00 | 30.00 | 66.60 | 39.74 | 66.60 | 57.06 | - | - |
| 13. SPPETPACK | 25.00 | 25.00 | 50.00 | 45.61 | 50.00 | 45.84 | - | - |
| 14. KGC | 33.40 | 33.40 | 470.10 | 469.42 | 470.10 | 469.52 | - | - |
| 15. TIM | 33.33 | 33.33 | 1.00 | - | 1.00 | - | - | - |
| 16. UBE | 21.28 | 21.28 | 769.55 | 836.71 | 769.55 | 818.57 | - | - |
| 17. UCHA | 25.00 | 25.00 | 5,299.82 | 5,096.82 | 5,299.82 | 5,113.63 | - | - |
| 18. EMG | 25.00 | 25.00 | 15,552.16 | 12,516.69 | 15,864.11 | 12,767.76 | - | - |
|  |  |  | 38,023.45 | 37,729.26 | 37,807.46 | 37,136.02 |  |  |
| Less Allowance for impairment |  |  | (15,683.41) | (12,516.69) | (15,995.36) | (12,767.76) |  |  |
| Total |  |  | 22,340.04 | 25,212.57 | 21,812.10 | 24,368.26 | 67.63 | 13.53 |

**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.5 Investments in subsidiaries and joint ventures in the separate financial statements as at March 31, 2019 and December 31, 2018

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | |  | | Unit: Million Baht | |
| **Company** | | **Ownership interest (%)** | | | **Cost method** | | **Dividends income for**  **the three-month periods ended March 31** | |
| **March 31, 2019** | | **December 31, 2018** | **March 31, 2019** | **December 31, 2018** | **2019** | **2018** |
| Subsidiaries | |  | |  |  |  |  |  |
| 1. PTTEP | | 65.29 | | 65.29 | 71,390.42 | 71,390.42 | 8,423.54 | - |
| 2. PTTLNG | | 100.00 | | 100.00 | 18,913.89 | 18,913.89 | - | - |
| 3. PTTNGD | | 58.00 | | 58.00 | 418.14 | 418.14 | - | - |
| 4. PTTGL | | 50.00 | | 50.00 | 5,210.72 | 5,210.72 | - | - |
| 5. EnCo | | 50.00 | | 50.00 | 900.00 | 900.00 | - | - |
| 6. PTTES | | 40.00 | | 40.00 | 62.50 | 62.50 | - | - |
| 7. GPSC | | 22.58 | | 22.58 | 4,949.93 | 4,949.93 | - | - |
| 8. PTTOR | | 100.00 | | 100.00 | 90,000.00 | 90,000.00 | - | - |
| 9. PTT TANK | | 100.00 | | 100.00 | 2,500.37 | 2,500.37 | - | - |
| 10. PTTT | | 100.00 | | 100.00 | 2.50 | 2.50 | 8.07 | - |
| 11. PTTT LDN | | 100.00 | | 100.00 | 347.75 | 347.75 | 10.85 | - |
| 12. PTTGC | | 48.18 | | 48.18 | 47,426.03 | 47,426.03 | - | - |
| 13. TOP | | 48.03 | | 48.03 | 11,132.20 | 11,132.20 | - | - |
| 14. IRPC | | 48.05 | | 48.05 | 42,339.93 | 42,339.93 | - | - |
| 15. TP | | 26.00 | | 26.00 | 2,304.76 | 2,304.76 | - | 146.12 |
| 16. PTTER | | 100.00 | | 100.00 | 33,702.67 | 33,702.67 | - | - |
| 17. PTTGM | | 100.00 | | 100.00 | 54,404.22 | 54,404.22 | - | - |
| 18. PTTGE | | 100.00 | | 100.00 | 12,403.10 | 12,403.10 | - | - |
| 19. PTTRTC | | 100.00 | | 100.00 | 31.40 | 31.40 | - | - |
| 20. PTT TCC | | 100.00 | | 100.00 | 20.00 | 20.00 | - | - |
| 21. BSA | | 100.00 | | 100.00 | 0.50 | 0.50 | - | - |
| 22. PTT DIGITAL | | 20.00 | | 20.00 | 30.00 | 30.00 | - | - |
| Investments in subsidiaries | | | | | 398,491.03 | 398,491.03 |  |  |
| Less Allowance for impairment | | | | | (82,836.89) | (82,836.89) |  |  |
| Total | | | | | 315,654.14 | 315,654.14 | 8,442.46 | 146.12 |
| Joint Ventures |  | |  | |  |  |  |  |
| 23. TTM(T) | 50.00 | | 50.00 | | 4,341.80 | 4,341.80 | 73.81 | - |
| 24. TTM(M) | 50.00 | | 50.00 | | 1,001.31 | 1,001.31 | 119.34 | - |
| 25. DCAP | 35.00 | | 35.00 | | 584.50 | 584.50 | 18.70 | 19.67 |
| 26. MAP | 49.00 | | - | | 0.49 | - | - | - |
| Total | | | | | 5,928.10 | 5,927.61 | 211.85 | 19.67 |
| Grand total | | | | | 321,582.24 | 321,581.75 | 8,654.31 | 165.79 |

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**12. Investments in Subsidiaries, Joint Ventures** **and Associates** (Continued)

12.6 Significant events during the period ended March 31, 2019

**MAP**

On November 16, 2018, at the Board of Directors Meeting of the Company No. 11/2018, the Board passed a resolution to approve the establishment of Map Ta Phut Air Products Company Limited. (MAP), which is the joint venture of the Company (holds a 49% shareholding), a company of the Group (holds a 2% shareholding), and Bangkok Industrial Gas Company Limited (BIG) (holds a 49% shareholding), to engage in the business of the production and distribution of industrial gas. MAP has an initial registered share capital of Baht 1.00 million. The Company made the payment amounting to Baht 0.49 million on January 14, 2019.

**13. Other Long-term Investments**

13.1 Details of other long-term investments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| **Other Long-term Investments of the Company** | |  |  |  |
| Long-term Investments in Equity Securities | |  |  |  |
| Petro Asia (Sanshui) Co., Ltd.  (PA (Sanshui)) | China | Oil marketing | 25.00 | 25.00 |
| Petro Asia (Maoming) Co., Ltd.  (PA (Maoming)) | China | Oil marketing | 20.00 | 20.00 |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | 20.00 | 20.00 |
| Baania (Thailand) Co.,Ltd. (Baania) | Thailand | Integrated online real estate platform | 3.57 | 3.57 |
| Colour Vision International Co., Ltd.  (Corpus) | Thailand | Finished yarn production | 0.48 | 0.48 |
| HG Robotics Co., Ltd. (HG Robotics) | Thailand | Autonomous and robotics solutions | 9.49 | 9.49 |
| Long-term Investments in Debt Securities | |  |  |  |
| Bangkok Dusit Medical Services Public Co., Ltd. (BDMS) | Thailand | Health care services |  |  |
| Indorama Ventures Public Co., Ltd. (IVL) | Thailand | Petrochemicals and chemicals |  |  |
| The Commercial Bank (P.S.Q.C.) (CBQ) | Qatar | Banking |  |  |
| Emirates NBD (ENBD) | United Arab Emirates | Banking |  |  |
| The Siam Cement Public Co., Ltd. (SCC) | Thailand | Property and Construction |  |  |
| Thai Beverage Public Co., Ltd. (TBEV) | Thailand | Manufacturing and distributing of food and beverage |  |  |

**13. Other Long-term Investments** (Continued)

13.1 Details of other long-term investments (Continued)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | | **Ownership interest (%)** | |
|  |  |  | | **March 31,**  **2019** | **December 31,**  **2018** |
| **Other Long-term Investments of the Company** (Continued) | | | | |  |
| Long-term Investments in Debt Securities (Continued) | | | | |  |
| Bangchak Corporation Public Co., Ltd. (BCP) | Thailand | | Energy & Utilities |  |  |
| Charoen Pokphand Foods Public Co., Ltd. (CPF) | Thailand | | Food & Beverage |  |  |
| Gulf Energy Development Public Co., Ltd. (GULF) | Thailand | | Energy & Utilities |  |  |
|  |  | |  |  |  |
| **Other Long-term Investments of Subsidiaries** | | | | | |
| Long-term Investments in Equity Securities | |  | |  |  |
| *PTTEP Group* | |  | |  |  |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | | 15.00 | 15.00 |
| Mozambique LNG1 Company Pte. Ltd.  (MZ LNG1) | Singapore | Petroleum | | 8.50 | 8.50 |
|  |  |  | |  |  |
| *PTTGL Group* | |  | |  |  |
| Petronas LNG 9 Sdn. Bhd. (PL9SB) | Malaysia | LNG liquefaction | | 10.00 | 10.00 |
|  |  |  | |  |  |
| *GPSC Group* | |  | |  |  |
| 24M Technologies, Inc. (24M) | United States  of America | Research and development in battery | | 29.50 | 29.50 |
| Ratchaburi Power Co., Ltd. (RPCL) | Thailand | Generate and supply electricity | | 15.00 | 15.00 |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | | 10.00 | 10.00 |
|  |  |  | |  |  |
| *PTTOR Group* | |  | |  |  |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | | 10.00 | 10.00 |
| Intoplane Services Co., Ltd. (IPS) | Thailand | Aircraft refuelling services | | 16.67 | 16.67 |
| Fuel Pipeline Transportation Co., Ltd.  (FPT)\* | Thailand | Oil transmission pipelines | | - | - |

\* As at March 31, 2019 and December 31, 2018, the Group holds 0.0000090% of ownership interest.

**13. Other Long-term Investments** (Continued)

13.1 Details of other long-term investments (Continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Country of**  **Incorporation** | **Business** | **Ownership interest (%)** | |
|  |  |  | **March 31,**  **2019** | **December 31,**  **2018** |
| **Other Long-term Investments of Subsidiaries** (Continued) | | | |  |
| Long-term Investments in Equity Securities (Continued) | |  |  |  |
| *PTTT Group* | |  |  |  |
| KIC Oil Terminal Sdn. Bhd. (KOT) | Malaysia | Logistics services | 10.00 | 10.00 |
| Kadriah Integrated Facilities Sdn. Bhd.  (KIF) | Malaysia | Logistics services | 10.00 | 10.00 |
| Kadriah I Ltd. (K I) | Malaysia | Logistics services | 10.00 | 10.00 |
| Kadriah II Ltd. (K II) | Malaysia | Logistics services | 10.00 | 10.00 |
| *PTTGC Group* | |  |  |  |
| Exeltium SAS (EXS) | France | Electricity business | 4.00 | 4.00 |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | 15.00 | 15.00 |
| TPBI & Myanmar Star Co., Ltd. (TPBIMS) | Myanmar | Manufacturing and distributing of polymer products | 10.00 | 10.00 |
| *TOP Group* |  |  |  |  |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | 15.00 | 15.00 |
|  |  |  |  |  |
| *IRPC Group* | |  |  |  |
| TPI EOEG Co., Ltd. (TPIE) | Thailand | Finance service | 36.31 | 36.31 |
| TPI Holding Co., Ltd. (TPIH) | Thailand | Investment in other companies | 35.01 | 35.01 |
| Pornchai Enterprises Co., Ltd. (PEC) | Thailand | Real estate for rent | 23.65 | 23.65 |
| Thai Special Steel Industries Public Co.,Ltd. (TSSI) | Thailand | Steel wire manufacturing | 16.24 | 16.24 |
| Rayong Acetylene Co., Ltd. (RAC) | Thailand | Industrial gas manufacturing | 13.04 | 13.04 |
| DIA Polyacrylate Co., Ltd. (DIA) | Thailand | Plastic resin manufacturing | 3.65 | 3.65 |
| Sarn Palung Social Enterprise Co., Ltd.  (SPSE)  (The Group holds 100% shareholding) | Thailand | Social enterprise | 15.00 | 15.00 |

**13. Other Long-term Investments** (Continued)

13.2 Details of other long-term investments as at March 31, 2019 and December 31, 2018 are as follows:

Unit: Million Baht

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Ownership interest (%)** | | **Cost/ Cost amortized** | | | | **Dividends income for**  **the three-month periods ended March 31** | |
| **Consolidated**  **financial statements** | | **Separate**  **financial statements** | |
| **March 31, 2019** | **December 31, 2018** | **March 31, 2019** | **December 31, 2018** | **March 31, 2019** | **December 31, 2018** | **2019** | **2018** |
| Long-term investments in Equity Securities |  |  |  |  |  |  |  |  |
| 1. PA (Sanshui) | 25.00 | 25.00 | 6.06 | 6.06 | 6.06 | 6.06 | - | - |
| 2. PA (Maoming) | 20.00 | 20.00 | 14.83 | 14.83 | 14.83 | 14.83 | - | - |
| 3. SPSE | 100.00 | 100.00 | 2.48 | 2.49 | 0.50 | 0.50 | - | - |
| 4. Baania | 3.57 | 3.57 | 10.00 | 10.00 | 10.00 | 10.00 | - | - |
| 5. Corpus | 0.48 | 0.48 | 0.60 | 0.60 | 0.60 | 0.60 | - | - |
| 6. HG Robotics | 9.49 | 9.49 | 18.50 | 18.50 | 18.50 | 18.50 | - | - |
| 7. PL9SB | 10.00 | 10.00 | 9,481.47 | 9,671.67 | - | - | - | - |
| 8. MZ LNG1 | 8.50 | 8.50 | 6.76 | 6.90 | - | - | - | - |
| 9. 24M | 29.50 | 29.50 | 1,005.81 | 1,005.80 | - | - | - | - |
| 10. RPCL | 15.00 | 15.00 | 888.75 | 888.75 | - | - | 72.00 | - |
| 11. IPS | 16.67 | 16.67 | 0.02 | 0.02 | - | - | - | - |
| 12. FPT\* | - | - | 0.02 | 0.02 | - | - | - | - |
| 13. KOT | 10.00 | 10.00 | 111.78 | 114.02 | - | - | - | - |
| 14. KIF | 10.00 | 10.00 | 46.32 | 47.25 | - | - | - | - |
| 15. K I | 10.00 | 10.00 | 232.82 | 237.49 | - | - | - | - |
| 16. K II | 10.00 | 10.00 | 62.23 | 63.48 | - | - | - | - |
| 17. EXS | 4.00 | 4.00 | 282.88 | 282.88 | - | - | - | - |
| 18. TPBIMS | 10.00 | 10.00 | 15.88 | 15.88 | - | - | - | - |
| 19. TPIE | 36.31 | 36.31 | 828.94 | 828.94 | - | - | - | - |
| 20. TPIH | 35.01 | 35.01 | 1,415.90 | 1,415.90 | - | - | - | - |
| 21. PEC | 23.65 | 23.65 | 1,118.95 | 1,118.95 | - | - | - | - |
| 22. TSSI | 16.24 | 16.24 | 673.35 | 673.35 | - | - | - | - |
| 23. RAC | 13.04 | 13.04 | 15.00 | 15.00 | - | - | - | - |
| 24. DIA | 3.65 | 3.65 | 8.50 | 8.50 | - | - | - | - |
| 25. Other | - | - | 133.87 | 43.22 | - | - | - | - |
| Long-term investments in Equity Securities | | | 16,381.72 | 16,490.50 | 50.49 | 50.49 |  |  |
| Less Allowance for impairment | | | (3,945.43) | (3,954.52) | (14.14) | (14.14) |  |  |
| Total | | | 12,436.29 | 12,535.98 | 36.35 | 36.35 | 72.00 | - |

\* As at March 31, 2019 and December 31, 2018, the Group holds 0.0000090% of ownership interest, totaling 66 shares, amounting to Baht 22,220.00.

**13. Other Long-term Investments** (Continued)

13.2 Details of other long-term investments as at March 31, 2019 and December 31, 2018 are as follows: (Continued)

Unit: Million Baht

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Ownership interest (%)** | | **Cost/ Cost amortized** | | | | **Dividends income for**  **the three-month periods ended March 31** | |
| **Consolidated**  **financial statements** | | **Separate**  **financial statements** | |
| **March 31, 2019** | **December 31, 2018** | **March 31, 2019** | **December 31, 2018** | **March 31, 2019** | **December 31, 2018** | **2019** | **2018** |
| Long-term investments in Debt Securities |  |  |  |  |  |  |  |  |
| 26. BDMS |  |  | - | 420.37 | - | 420.37 | - | - |
| 27. IVL |  |  | 500.00 | 500.00 | 500.00 | 500.00 | - | - |
| 28. CBQ |  |  | 6,328.98 | 6,456.96 | 6,328.98 | 6,456.96 | - | - |
| 29. ENBD |  |  | 4,430.28 | 4,519.87 | 4,430.28 | 4,519.87 | - | - |
| 30. SCC |  |  | 103.04 | 103.36 | 103.04 | 103.36 | - | - |
| 31. TBEV |  |  | 1,400.00 | 300.00 | 1,400.00 | 300.00 | - | - |
| 32. BCP |  |  | 500.00 | 500.00 | 500.00 | 500.00 | - | - |
| 33. CPF |  |  | 1,150.00 | 1,150.00 | 1,150.00 | 1,150.00 | - | - |
| 34. GULF |  |  | 203.30 | - | 203.30 | - | - | - |
| 35. Other |  |  | 474.68 | 484.27 | - | - | - | - |
| Total |  |  | 15,090.28 | 14,434.83 | 14,615.60 | 13,950.56 | - | - |
| Grand total | | | 27,526.57 | 26,970.81 | 14,651.95 | 13,986.91 | 72.00 | - |

**14. Investment Properties**

Details of investment properties are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated financial statements | | | |
|  | Land | Buildings  and building  improvements | Other  assets | Total |
| **As at January 1, 2019** |  |  |  |  |
| Cost | 4,593.38 | 2,342.43 | 3.69 | 6,939.50 |
| Less Accumulated depreciation | - | (1,117.49) | (0.11) | (1,117.60) |
| Allowance for impairment | (216.20) | - | - | (216.20) |
| Net book value | 4,377.18 | 1,224.94 | 3.58 | 5,605.70 |
|  |  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |  |
| Beginning net book value | 4,377.18 | 1,224.94 | 3.58 | 5,605.70 |
| - Additions | - | 8.27 | 0.02 | 8.29 |
| - Reclassifications | 325.60 | 3.43 | - | 329.03 |
| - Depreciation for the period | - | (29.07) | (0.09) | (29.16) |
| - Classify as Assets-held-for-sale\* | (465.05) | - | - | (465.05) |
| Ending net book value | 4,237.73 | 1,207.57 | 3.51 | 5,448.81 |
|  |  |  |  |  |
| **As at March 31, 2019** |  |  |  |  |
| Cost | 4,453.93 | 2,354.13 | 3.71 | 6,811.77 |
| Less Accumulated depreciation | - | (1,146.56) | (0.20) | (1,146.76) |
| Allowance for impairment | (216.20) | - | - | (216.20) |
| Net book value | 4,237.73 | 1,207.57 | 3.51 | 5,448.81 |

\*A subsidiary of the Group entered into a sale of land agreement with a joint venture. As at 31 March 2019, the Group classified   
the land as Assets-held-for-sale.

**14. Investment Properties** (Continued)

Details of investment properties are as follows: (Continued)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Unit: Million Baht | | |
|  | Separate financial statements | | |
|  | Land | Buildings  and building  improvements | Total |
| **As at January 1, 2019** |  |  |  |
| Cost | 1,644.64 | 1,229.13 | 2,873.77 |
| Less Accumulated depreciation | - | (841.05) | (841.05) |
| Net book value | 1,644.64 | 388.08 | 2,032.72 |
|  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |
| Beginning net book value | 1,644.64 | 388.08 | 2,032.72 |
| - Reclassifications | 325.60 | - | 325.60 |
| - Depreciation for the period | - | (9.92) | (9.92) |
| Ending net book value | 1,970.24 | 378.16 | 2,348.40 |
|  |  |  |  |
| **As at March 31, 2019** |  |  |  |
| Cost | 1,970.24 | 1,229.13 | 3,199.37 |
| Less Accumulated depreciation | - | (850.97) | (850.97) |
| Net book value | 1,970.24 | 378.16 | 2,348.40 |

**15. Property, Plant and Equipment**

Detail of property, plant and equipment are as follows:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | | | | | |
|  | Consolidated financial statements | | | | | | | |
|  | Land | Buildings  and building  improvements\* | Machinery  and  equipment\* | Exploration and  production  properties | Mining  Properties | Other  assets | Construction  in progress | Total |
| **As at January 1, 2019** |  |  |  |  |  |  |  |  |
| Cost | 47,367.30 | 295,642.92 | 1,004,656.42 | 859,932.18 | 54,380.77 | 27,210.84 | 90,219.80 | 2,379,410.23 |
| Less Accumulated depreciation | - | (159,918.43) | (444,453.82) | (586,991.28) | (28,130.33) | (16,334.64) | - | (1,235,828.50) |
| Allowance for impairment | (99.65) | (662.74) | (2,394.98) | (10,861.42) | (13,774.62) | (17.09) | (1,596.49) | (29,406.99) |
| Net book value | 47,267.65 | 135,061.75 | 557,807.62 | 262,079.48 | 12,475.82 | 10,859.11 | 88,623.31 | 1,114,174.74 |

\* The Group reclassified the Cost, Accumulated depreciation and Allowance for impairment of Property, Plant and Equipment as of 1 January 2019.

**15. Property, Plant and Equipment** (Continued)

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | | | | | |
|  | Consolidated financial statements | | | | | | | |
|  | Land | Buildings  and building  improvements | Machinery  and  equipment | Exploration and  production  properties | Mining  Properties | Other  assets | Construction  in progress | Total |
|  |  |  |  |  |  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |  |  |  |  |  |
| Beginning net book value | 47,267.65 | 135,061.75 | 557,807.62 | 262,079.48 | 12,475.82 | 10,859.11 | 88,623.31 | 1,114,174.74 |
| - Business Acquisition (Note 30) | 648.51 | 252.80 | 70,369.05 | - | - | 3.59 | 207.01 | 71,480.96 |
| - Additions | 129.71 | 1,246.92 | 778.24 | 9,239.39 | 495.86 | 252.87 | 15,993.18 | 28,136.17 |
| - Borrowing costs | - | - | - | - | - | - | 402.31 | 402.31 |
| - Reclassifications | 156.66 | 568.28 | 4,408.38 | 4,737.73 | - | 70.60 | (5,615.38) | 4,326.27 |
| - Disposals - net | (0.29) | (21.83) | (35.04) | - | - | (32.39) | (1.21) | (90.76) |
| - Depreciation for the period | - | (2,905.72) | (11,082.90) | (14,179.87) | (720.41) | (544.51) | - | (29,433.41) |
| - Reversal of loss on impairment | - | 11.27 | - | - | - | - | - | 11.27 |
| - Currency translation differences | (36.70) | (114.70) | (279.82) | (5,153.84) | (246.65) | (3.40) | (111.35) | (5,946.46) |
| Ending net book value | 48,165.54 | 134,098.77 | 621,965.53 | 256,722.89 | 12,004.62 | 10,605.87 | 99,497.87 | 1,183,061.09 |
|  |  |  |  |  |  |  |  |  |
| **As at March 31, 2019** |  |  |  |  |  |  |  |  |
| Cost | 48,265.19 | 297,368.95 | 1,078,979.84 | 857,087.62 | 53,810.21 | 27,443.73 | 101,068.28 | 2,464,023.82 |
| Less Accumulated depreciation | - | (162,629.07) | (454,664.18) | (589,716.91) | (28,301.83) | (16,820.77) | - | (1,252,132.76) |
| Allowance for impairment | (99.65) | (641.11) | (2,350.13) | (10,647.82) | (13,503.76) | (17.09) | (1,570.41) | (28,829.97) |
| Net book value | 48,165.54 | 134,098.77 | 621,965.53 | 256,722.89 | 12,004.62 | 10,605.87 | 99,497.87 | 1,183,061.09 |

**15. Property, Plant and Equipment** (Continued)

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | | | |
|  | Separate financial statements | | | | | |
|  | Land | Buildings  and building  improvements | Machinery  and  equipment | Other assets | Construction  in progress | Total |
| **As at January 1, 2019** |  |  |  |  |  |  |
| Cost | 7,371.17 | 38,360.19 | 369,986.08 | 17,819.69 | 20,752.34 | 454,289.47 |
| Less Accumulated depreciation | - | (15,008.77) | (154,630.64) | (11,265.55) | - | (180,904.96) |
| Allowance for impairment | - | (26.56) | (36.32) | - | - | (62.88) |
| Net book value | 7,371.17 | 23,324.86 | 215,319.12 | 6,554.14 | 20,752.34 | 273,321.63 |
|  |  |  |  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |  |  |  |
| Beginning net book value | 7,371.17 | 23,324.86 | 215,319.12 | 6,554.14 | 20,752.34 | 273,321.63 |
| - Additions | - | 3.05 | 20.17 | 14.27 | 4,471.06 | 4,508.55 |
| - Borrowing costs | - | - | - | - | 205.99 | 205.99 |
| - Reclassifications | (325.60) | (10.39) | 161.16 | (14.42) | (165.45) | (354.70) |
| - Disposals - net | - | (12.32) | (1.51) | (10.45) | - | (24.28) |
| - Depreciation for the period | - | (433.29) | (3,560.79) | (349.53) | - | (4,343.61) |
| - Reversal of loss on impairment | - | 11.27 | - | - | - | 11.27 |
| Ending net book value | 7,045.57 | 22,883.18 | 211,938.15 | 6,194.01 | 25,263.94 | 273,324.85 |
|  |  |  |  |  |  |  |
| **As at March 31, 2019** |  |  |  |  |  |  |
| Cost | 7,045.57 | 38,312.59 | 370,012.61 | 17,789.41 | 25,263.94 | 458,424.12 |
| Less Accumulated depreciation | - | (15,414.12) | (158,038.14) | (11,595.40) | - | (185,047.66) |
| Allowance for impairment | - | (15.29) | (36.32) | - | - | (51.61) |
| Net book value | 7,045.57 | 22,883.18 | 211,938.15 | 6,194.01 | 25,263.94 | 273,324.85 |

Borrowing costs were capitalized as a part of costs of property, plant and equipment. During the period, the Group used capitalization rates ranging from 1.10% - 5.25% per annum (2018: 1.10% - 5.67% per annum).

As at March 31, 2019, the Group had pledged assets amounting to Baht 82,207.15 million (December 31, 2018: Baht 50,740.55 million.).

**15**. **Property, Plant and Equipment** (Continued)

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

As at March 31, 2019 and December 31, 2018, details of assets under finance leases which were recorded as machinery and equipment, and other assets include natural gas pipeline and vehicles are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Cost | 10,672.39 | 10,664.03 | 9,492.69 | 9,516.59 |
| Less Accumulated depreciation | (5,017.81) | (4,849.07) | (4,524.65) | (4,406.14) |
| Net book value | 5,654.58 | 5,814.96 | 4,968.04 | 5,110.45 |

**16. Goodwill**

Movements of goodwill are as follows:

|  |  |  |
| --- | --- | --- |
|  | Unit: Million Baht | |
|  | Consolidated  financial statements | |
|  | 2019 | 2018 |
| Net book value as at January 1 | 48,924.92 | 46,688.26 |
| - Business acquisition (Note 30) | 61,916.05 | - |
| - Currency translation differences | (707.01) | (1,496.04) |
| Net book value as at March 31 | 110,133.96 | 45,192.22 |

**17. Intangible Assets**

Details of intangible assets are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated financial statements | | | |
|  | Computer  Software\* | Right  of use\* | Other  Intangible assets | Total |
| **As at January 1, 2019** |  |  |  |  |
| Cost | 23,171.62 | 33,800.25 | 10,348.07 | 67,319.94 |
| Less Accumulated amortization | (12,837.88) | (14,578.88) | (4,936.79) | (32,353.55) |
| Allowance for impairment | - | (744.14) | (21.85) | (765.99) |
| Net book value | 10,333.74 | 18,477.23 | 5,389.43 | 34,200.40 |
|  |  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |  |
| Beginning net book value | 10,333.74 | 18,477.23 | 5,389.43 | 34,200.40 |
| - Business Acquisition (Note 30) | 59.55 | 646.54 | - | 706.09 |
| - Additions | 166.96 | 186.87 | 188.39 | 542.22 |
| - Reclassifications | (669.72) | 1,863.10 | 120.80 | 1,314.18 |
| - Disposals - net | - | - | (0.27) | (0.27) |
| - Amortization for the period | (589.93) | (291.37) | (124.82) | (1,006.12) |
| - Currency translation differences | (46.47) | (30.57) | (66.93) | (143.97) |
| Ending net book value | 9,254.13 | 20,851.80 | 5,506.60 | 35,612.53 |
|  |  |  |  |  |
| **As at March 31, 2019** |  |  |  |  |
| Cost | 22,568.40 | 36,710.76 | 10,530.63 | 69,809.79 |
| Less Accumulated amortization | (13,314.27) | (15,129.44) | (5,002.18) | (33,445.89) |
| Allowance for impairment | - | (729.52) | (21.85) | (751.37) |
| Net book value | 9,254.13 | 20,851.80 | 5,506.60 | 35,612.53 |

\* The Group reclassified the Cost and Accumulated amortization of Intangible assets as of 1 January 2019.

**17. Intangible Assets** (Continued)

Details of intangible assets are as follows: (Continued)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Unit: Million Baht | | |
|  | Separate financial statements | | |
|  | Computer software | Right of use | Total |
| **As at January 1, 2019** |  |  |  |
| Cost | 7,178.44 | 20,129.18 | 27,307.62 |
| Less Accumulated amortization | (4,641.21) | (8,852.47) | (13,493.68) |
| Net book value | 2,537.23 | 11,276.71 | 13,813.94 |
|  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |
| Beginning net book value | 2,537.23 | 11,276.71 | 13,813.94 |
| - Additions | 20.20 | - | 20.20 |
| - Reclassifications | (4.68) | 6.59 | 1.91 |
| - Amortization for the period | (236.98) | (130.01) | (366.99) |
| Ending net book value | 2,315.77 | 11,153.29 | 13,469.06 |
|  |  |  |  |
| **As at March 31, 2019** |  |  |  |
| Cost | 7,193.88 | 20,135.77 | 27,329.65 |
| Less Accumulated amortization | (4,878.11) | (8,982.48) | (13,860.59) |
| Net book value | 2,315.77 | 11,153.29 | 13,469.06 |

**18. Exploration and evaluation assets**

Details of exploration and evaluation assets are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Unit: Million Baht | | |
|  | Consolidated financial statements | | |
|  | Petroleum exploration and  evaluation assets | Mining  properties | Total |
| **As at January 1, 2019** |  |  |  |
| Cost | 160,814.99 | 839.34 | 161,654.33 |
| Less Allowance for impairment | (53,329.80) | (161.96) | (53,491.76) |
| Net book value | 107,485.19 | 677.38 | 108,162.57 |
|  |  |  |  |
| **For the period ended March 31, 2019** |  |  |  |
| Beginning net book value | 107,485.19 | 677.38 | 108,162.57 |
| - Additions | 1,280.50 | 1.38 | 1,281.88 |
| - Reclassifications | (4,737.73) | - | (4,737.73) |
| - Currency translation differences | (2,108.58) | (16.56) | (2,125.14) |
| Ending net book value | 101,919.38 | 662.20 | 102,581.58 |
|  |  |  |  |
| **As at March 31, 2019** |  |  |  |
| Cost | 155,291.87 | 820.97 | 156,112.84 |
| Less Allowance for impairment | (53,372.49) | (158.77) | (53,531.26) |
| Net book value | 101,919.38 | 662.20 | 102,581.58 |

**19. Other Non-current Assets**

Details of other non-current assets as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Long-term other accounts receivable | 1,343.65 | 1,375.95 | 7.24 | 8.39 |
| Advance payments and deferred charge | 21,206.85 | 20,628.08 | 1,157.88 | 1,176.88 |
| Advance payments for gas purchases | - | - | 146.49 | 61.83 |
| Decommissioning fund | 5,170.68 | 5,247.82 | - | - |
| Others\* | 10,272.08 | 12,227.14 | 4,554.08 | 4,509.39 |
| Total | 37,993.26 | 39,478.99 | 5,865.69 | 5,756.49 |

The Company made advance payments for some gas that cannot take-up as the minimum volumes committed in the Gas Sales Agreements (Take-or-Pay). The Company has the right to take those volumes of prepaid gas (Make-up Right) in subsequent years, with no maturity period.

As at March 31, 2019, advance payments for gas purchases comprised the balance of advance payments made for gas purchases, from the Sirikit gas fields in Thailand, for the untaken-up gas volumes in 2017 - 2018.

\* As at March 31, 2019, the Company has a restricted bank cash amounting to Baht 4,372.75 million (December 31, 2018: Baht 4,372.75 million) placed as a security to stay the enforcement of the judgement as described in Note 32.7.

**20. Long-term Loans**

Details of long-term loans as at March 31, 2019 and December 31, 2018 are as follows:

Current portion of long-term loans

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Loans - Baht currency | 13,529.12 | 12,344.94 | - | - |
| Loans - foreign currencies | 5,048.58 | 2,439.19 | - | - |
| Debentures - Baht currency | 47,905.45 | 47,504.98 | 26,000.00 | 26,000.00 |
| Liabilities under finance leases | 802.19 | 819.49 | 502.76 | 511.16 |
| Total | 67,285.34 | 63,108.60 | 26,502.76 | 26,511.16 |

Long-term loans

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit: Million Baht | | | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Loans - Baht currency | 123,894.55 | 118,096.85 | 1,000.00 | 1,000.00 |
| Loans - foreign currencies | 29,622.80 | 21,304.70 | 6,686.19 | 6,830.15 |
| Debentures - Baht currency | 160,022.98 | 147,477.25 | 83,715.20 | 83,715.20 |
| Debentures - foreign currencies | 160,279.56 | 163,462.61 | 27,421.03 | 27,969.16 |
| Liabilities under finance leases | 4,407.41 | 4,622.90 | 3,921.50 | 4,124.45 |
| Total | 478,227.30 | 454,964.31 | 122,743.92 | 123,638.96 |

**20. Long-term Loans** (Continued)

Original currency of loans and debentures in foreign currencies as at March 31, 2019 and December 31, 2018 as follows:

Current portion of long-term loans and debentures

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | |  | Unit: Million | | |
|  | Consolidated  financial statements | | |  | Separate  financial statements | | |
|  | March 31,  2019 |  | December 31, 2018 |  | March 31,  2019 |  | December 31, 2018 |
| Loans - foreign currencies |  |  |  |  |  |  |  |
| - USD | 77.75 |  | 47.74 |  | - |  | - |
| - EURO | 65.00 |  | 10.92 |  | - |  | - |
| - JPY | 408.57 |  | 408.57 |  | - |  | - |
| - LAK | 12,855.64 |  | 12,855.64 |  | - |  | - |
| - VND | 28,879.60 |  | 228,506.04 |  | - |  | - |

Long-term loans and debentures

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unit: Million | | | | | | |
|  | Consolidated  financial statements | | |  | Separate  financial statements | | |
|  | March 31,  2019 |  | December 31, 2018 |  | March 31,  2019 |  | December 31, 2018 |
| Loans - foreign currencies |  |  |  |  |  |  |  |
| - USD | 533.96 |  | 219.80 |  | - |  | - |
| - EURO | 93.69 |  | 141.01 |  | - |  | - |
| - JPY | 29,751.28 |  | 29,749.62 |  | 23,000.00 |  | 23,000.00 |
| - LAK | 35,353.02 |  | 38,566.93 |  | - |  | - |
| - VND | 231,297.00 |  | - |  | - |  | - |
| Debentures - foreign currencies |  |  |  |  |  |  |  |
| - USD | 5,020.82 |  | 5,020.33 |  | 857.48 |  | 857.56 |

**20. Long-term Loans** (Continued)

Liabilities under finance leases

Details of liabilities under finance leases as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Liabilities under finance leases |  |  |  |  |
| - Within 1 year | 907.42 | 928.78 | 577.90 | 588.63 |
| - Over 1 year but not over 5 years | 2,598.57 | 2,679.59 | 2,074.07 | 2,138.29 |
| - Over 5 years | 2,115.04 | 2,270.20 | 2,115.04 | 2,270.20 |
| Future finance charges | (411.43) | (436.18) | (342.75) | (361.51) |
| Present value of liabilities under  finance leases | 5,209.60 | 5,442.39 | 4,424.26 | 4,635.61 |
|  |  |  |  |  |
| Present value of liabilities under finance leases |  |  |  |  |
| - Current liabilities | 802.19 | 819.49 | 502.76 | 511.16 |
| - Non-current liabilities | 4,407.41 | 4,622.90 | 3,921.50 | 4,124.45 |
| Total | 5,209.60 | 5,442.39 | 4,424.26 | 4,635.61 |

**21. Changes in liabilities arising from financing activities**

Changes in liabilities arising from financing activities as follows:

| Unit: Million Baht | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Consolidated financial statements | | | | | | | | | | | | | | | | |
|  | As at  January 1,  2019 |  | Cash flows from financing | | |  | Non-cash items | | | | | | | | |  | As at  March 31, 2019 |
|  | Additions |  | Repayments |  | Finance  leases - Addition |  | (Gain) loss  on exchange rates |  | Currency translation differences |  | Business acquisition (Note 30) |  | Others |  |
| Short-term loans from financial institutions | 25,561.80 |  | 85,119.92 |  | (17,838.48) |  | - |  | - |  | (202.00) |  | - |  | (478.18) |  | 92,163.06 |
| Short-term loans | - |  | - |  | - |  | - |  | - |  | - |  | 701.55 |  | - |  | 701.55 |
| Loans - Baht currency | 130,441.79 |  | 1,875.00 |  | (2,886.41) |  | - |  | - |  | - |  | 7,975.83 |  | 17.46 |  | 137,423.67 |
| Loans - foreign currencies | 23,743.89 |  | 3,385.82 |  | (3,429.08) |  | - |  | (265.87) |  | (278.87) |  | 11,501.72 |  | 13.77 |  | 34,671.38 |
| Debentures - Baht currency | 194,982.23 |  | - |  | (3,000.00) |  | - |  | 480.08 |  | (480.64) |  | 15,943.28 |  | 3.48 |  | 207,928.43 |
| Debentures - foreign currencies | 163,462.61 |  | - |  | - |  | - |  | (2,138.97) |  | (1,065.83) |  | - |  | 21.75 |  | 160,279.56 |
| Finance leases | 5,442.39 |  | - |  | (242.89) |  | 81.25 |  | (77.24) |  | (1.24) |  | - |  | 7.33 |  | 5,209.60 |
| Total | 543,634.71 |  | 90,380.74 |  | (27,396.86) |  | 81.25 |  | (2,002.00) |  | (2,028.58) |  | 36,122.38 |  | (414.39) |  | 638,377.25 |

**21. Changes in liabilities arising from financing activities** (Continued)

Changes in liabilities arising from financing activities as follows: (Continued)

| Unit: Million Baht | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Separate financial statements | | | | | | | | | | | | |
|  | As at  January 1,  2019 |  | Cash flows from financing | | |  | Non-cash items | | | | |  | As at  March 31,  2019 |
|  | Additions |  | Repayments |  | Finance leases -  Additions |  | Gain on exchange rates |  | Others |  |
| Short-term loans - related party | 3,332.70 |  | 115.56 |  | (958.91) |  | - |  | - |  | - |  | 2,489.35 |
| Loans - Baht currency | 1,000.00 |  | - |  | - |  | - |  | - |  | - |  | 1,000.00 |
| Loans - foreign currencies | 6,830.15 |  | - |  | - |  | - |  | (143.96) |  | - |  | 6,686.19 |
| Debentures - Baht currency | 109,715.20 |  | - |  | - |  | - |  | - |  | - |  | 109,715.20 |
| Debentures - foreign currencies | 27,969.16 |  | - |  | - |  | - |  | (552.85) |  | 4.72 |  | 27,421.03 |
| Finance leases | 4,635.61 |  | - |  | (151.74) |  | 4.29 |  | (78.00) |  | 14.10 |  | 4,424.26 |
| Total | 153,482.82 |  | 115.56 |  | (1,110.65) |  | 4.29 |  | (774.81) |  | 18.82 |  | 151,736.03 |

**22. Provisions for Employee Benefit**

Movements in the present value of provisions for employee benefit are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| As at January 1 | 23,921.03 | 23,313.07 | 6,906.65 | 8,877.98 |
| Service cost | 408.04 | 446.57 | 126.88 | 177.17 |
| Interest cost | 156.37 | 147.84 | 54.54 | 65.30 |
| Actuarial (gain) loss from provisions for post-employment benefit | 6.45 | (0.08) | - | - |
| Actuarial (gain) loss from provisions for other long-term employee benefit | 0.09 | - | - | - |
| Actual payment | (365.89) | (222.99) | (12.26) | (20.60) |
| Business acquisition (Note 30) | 255.61 | - | - | - |
| Currency translation differences | (24.31) | (21.57) | - | - |
| As at March 31 | 24,357.39 | 23,662.84 | 7,075.81 | 9,099.85 |

Expenses recognized in the statements of income and comprehensive income for the three-month ended March 31, 2019 and 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Cost of sales and services | 203.27 | 193.90 | 31.81 | 35.90 |
| Selling and distribution expenses | 36.14 | 51.47 | 7.10 | 50.00 |
| Administrative expenses | 318.56 | 347.44 | 142.04 | 155.95 |
| Management remuneration | 6.53 | 1.60 | 0.47 | 0.62 |
| Other comprehensive (gain) loss | 6.45 | (0.08) | - | - |
| Total | 570.95 | 594.33 | 181.42 | 242.47 |

**22. Provisions for Employee Benefit** (Continued)

The Labor Protection Act (No. 7) B.E. 2562 has been announced in the Royal Gazette on April 5, 2019, which will be effective after 30 days from the date announced in Royal Gazette. This Labor Protection Act stipulates additional legal severance pay rates in the event of termination of an employee who has worked for an uninterrupted period of 20 years or more, whereby the employee is entitled to receive compensation of not less than 400 days at the employee’s last wage rate. This change is considered a post-employment benefits plan amendment, and results in an increase of Baht 3,171.59 million in employee benefits liabilities in the consolidated financial statements. However, there is no impact on the separate financial statements because the Company is covered by the State Enterprise Labor Relations Act B.E. 2543. The Group will reflect the effect of this change by recognizing the past service costs as expenses in the income statement of the period in which the law is effective.

**23. Provision for Decommissioning Costs**

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

|  |  |  |
| --- | --- | --- |
|  | Unit: Million Baht | |
|  | Consolidated  financial statements | |
|  | 2019 | 2018 |
| As at January 1 | 74,722.52 | 74,865.44 |
| - Additional provision | 771.49 | 634.18 |
| - Use during the period | - | (126.69) |
| - Reversal of non-occurred provision | (1.82) | (2.81) |
| - Currency translation differences | (1,458.69) | (3,317.22) |
| As at March 31 | 74,033.50 | 72,052.90 |
| - Current portion | (1,078.81) | - |
| - Long-term portion | 72,954.69 | 72,052.90 |

**24. Other Non-current Liabilities**

Other non-current liabilities as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 |
| Long-term other accounts payable | 4,027.02 | 3,603.00 | 3,652.35 | 3,490.10 |
| Provision for remuneration for  the renewal of petroleum production | 7,065.20 | 7,744.52 | - | - |
| Long-term liability: Make-up | 10,782.35 | 10,782.35 | 10,782.35 | 10,782.35 |
| Deferred revenue | 18,319.54 | 6,609.13 | 5,190.34 | 5,244.77 |
| Others | 4,670.52 | 4,232.06 | 347.11 | 340.25 |
| Total | 44,864.63 | 32,971.06 | 19,972.15 | 19,857.47 |

Long-term liability (Make-up) arises from the amount of the difference between the natural gas price for the committed gas volumes that the Company paid in advance and the natural gas price as at the date of taking the gas that exceeds the interest paid for the advance payment for untaken-up gas volume (Take-or-Pay). The Company has to distribute the difference to the parties who paid for the Take-or-Pay interest for the Yadana and Yetagun gas fields.

**25. Basic Earnings per Share**

Basic earnings per share for the three-month periods ended March 31, 2019 and 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Profit attributable to owners of the parent from continuing operations | 29,312,075,916 | 39,788,257,848 | 17,101,131,550 | 17,202,396,265 |
| Adjustment of profit | (283,402,784) | (329,262,738) | - | - |
| Profit for calculation of earnings per share from continuing operations | 29,028,673,132 | 39,458,995,110 | 17,101,131,550 | 17,202,396,265 |
| Profit for calculation of earnings per share from discontinued operations | - | - | - | 3,471,333,923 |
| Total profit | 29,028,673,132 | 39,458,995,110 | 17,101,131,550 | 20,673,730,188 |
|  |  |  |  |  |
| Number of weighted average of ordinary shares (shares) | 28,562,996,250 | 28,562,996,250 | 28,562,996,250 | 28,562,996,250 |
|  |  |  |  |  |
| Earnings per share from continuing operations (Baht/share) | 1.02 | 1.38 | 0.60 | 0.60 |
| Earnings per share from discontinued operations (Baht/share) | - | - | - | 0.12 |
| Earnings per share (Baht/share) | 1.02 | 1.38 | 0.60 | 0.72 |

**26. Other Income**

Details of other income for the three-month periods ended March 31, 2019 and 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018\* | 2019 | 2018\* |
| Transportation income | 1,348.07 | 868.94 | 2,015.77 | 1,059.87 |
| Dividend income | 94.33 | 34.02 | 8,661.58 | 168.68 |
| Interest income | 2,794.87 | 2,504.74 | 915.66 | 740.10 |
| Compensation for loan interest on advance payments for gas purchases | (0.57) | (0.54) | (0.57) | (0.54) |
| Gain (loss) on disposal of assets and investments | (24.58) | 0.20 | (4.59) | 783.95 |
| Gain (loss) on derivatives | (3,780.02) | 355.39 | 377.11 | 647.49 |
| Others | 1,614.33 | 1,295.96 | 988.50 | 587.60 |
| Total | 2,046.43 | 5,058.71 | 12,953.46 | 3,987.15 |

Compensation for loan interests on advance payments for gas purchases (Take-or-Pay) represents the compensation, which the Company received from the Electricity Generating Authority of Thailand (EGAT) and the Independent Power Plants (IPP) in order to absorb the interests on loans that the Company obtains to make advance payments for gas purchases.

\*The Company has reclassified the financial information to be comparable with the financial statement presentation the three-month periods ended March 31, 2019.

**27. Expenses by Nature**

Details of expenses by nature for the three-month periods ended March 31, 2019 and 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | 2019 | 2018 | 2019 | 2018 |
| Changes in finished goods  and work in process | 9,587.22 | 2,829.19 | 4,414.03 | 815.52 |
| Goods purchased and  raw materials used | 422,460.19 | 404,891.52 | 283,578.24 | 270,338.74 |
| Executive remunerations (Note 8.10) | 341.92 | 360.46 | 35.47 | 51.62 |
| Staff costs | 13,068.80 | 11,812.30 | 2,177.77 | 1,751.15 |
| Outsourcing | 2,411.71 | 1,694.90 | 1,226.65 | 209.63 |
| Transportation | 5,233.82 | 3,981.70 | 2,020.24 | 1,065.70 |
| Depreciation and amortization | 31,194.61 | 28,519.49 | 4,749.48 | 4,513.95 |
| Repairment | 3,264.78 | 2,880.97 | 571.77 | 374.33 |
| Utilities | 3,211.71 | 2,987.25 | 2,951.64 | 2,604.41 |
| Rental fees and property insurance premium | 2,240.62 | 2,260.21 | 633.99 | 451.50 |
| Petroleum exploration expenses | 268.96 | 86.52 | - | - |
| (Reversal of) doubtful accounts | (19.50) | 130.88 | (1.72) | (22,314.92) |
| Loss on impairment of assets and investments | 0.20 | - | - | 21,624.66 |
| Others | 7,079.19 | 7,604.48 | 1,009.15 | 841.09 |
| Total | 500,344.23 | 470,039.87 | 303,366.71 | 282,327.38 |

**28. Operating Segments**

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

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

Upstream Petroleum and Natural Gas Business Group

1. Petroleum exploration and production business:

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

2. Natural gas business:

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

3. Coal business:

The Group conducts coal mining business, involving overseas exploration, production and distribution of coals.

Downstream Petroleum Business Group

1. Oil business:

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

1. International trading business:

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

1. Petrochemical and Refining business:

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

Technology and Engineering Group

The Group conducts innovation, digital, technology, engineering, the production and distribution of electricity, stream and water for industrial purpose, and the project management of the Group. This includes seeking the business opportunities for the sustainability of the Group.

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

**28. Operating Segments** (Continued)

The Group changed the operating segment by detaching Technology and Engineering from the Other business segment in order to reflect the business operations and internal Group reporting. The Group therefore reorganised the operating segment information of 2018 to enable comparison with the current period’s information.

Pricing among business groups is based on normal market prices except for pricing among business groups within the Company, for which net market prices, after deducting management fees for petroleum terminals and operating fees, are applied.

**28. Operating Segments** (Continued)

Consolidated financial statements

For the three-month period ended March 31, 2019

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | |  |  |  | | Unit: Million Baht | | | |
|  | Upstream petroleum and natural gas | | | Downstream petroleum | | | | Technology and Engineering | Others | | Elimination | | | Total |
|  | Petroleum  exploration and  production | Natural gas | Coal | Oil | International trading | | Petrochemicals and  Refining |
| Sales - others | 5,838.52 | 90,945.21 | 4,216.04 | 145,131.49 | | 141,502.69 | 157,136.41 | 6,061.09 | | 42.08 | | - | | 550,873.53 |
| - related parties | 37,021.53 | 35,193.76 | - | 751.74 | | 127,705.04 | 97,542.18 | 4,377.58 | | 719.07 | | (303,310.90) | | - |
| Net sales | 42,860.05 | 126,138.97 | 4,216.04 | 145,883.23 | | 269,207.73 | 254,678.59 | 10,438.67 | | 761.15 | | (303,310.90) | | 550,873.53 |
| Gross profit (loss) \* | 38,319.92 | 20,538.26 | 1,596.23 | 9,938.96 | | 1,600.42 | 25,697.85 | 2,863.72 | | (86.88) | | (2,390.06) | | 98,078.42 |
| EBITDA | 32,811.68 | 17,948.30 | 1,209.51 | 5,728.94 | | 828.55 | 20,920.26 | 2,696.06 | | (454.86) | | (1,165.47) | | 80,522.97 |
| Depreciation and amortization expenses | (14,524.39) | (4,615.45) | (831.03) | (1,010.28) | | (26.42) | (8,891.52) | (1,218.58) | | (76.94) | | - | | (31,194.61) |
| Segment operating profit (loss) | 18,287.29 | 13,332.85 | 378.48 | 4,718.66 | | 802.13 | 12,028.74 | 1,477.48 | | (531.80) | | (1,165.47) | | 49,328.36 |
| Share of profit from investments in joint ventures and associates | 19.44 | 180.82 | - | 269.23 | | - | 920.66 | 145.41 | | - | | - | | 1,535.56 |
| Others | 0.01 | (1.30) | (1.02) | 28.94 | | (9.76) | 2.19 | 71.31 | | (1.61) | | - | | 88.76 |
| Unallocated revenue and expenses: |  |  |  |  | |  |  |  | |  | |  | |  |
| Interest income |  |  |  |  | |  |  |  | |  | |  | | 2,794.87 |
| Loss on derivatives |  |  |  |  | |  |  |  | |  | |  | | (3,780.02) |
| Gain on foreign exchange rate |  |  |  |  | |  |  |  | |  | |  | | 3,875.19 |
| EBIT |  |  |  |  | |  |  |  | |  | |  | | 53,842.72 |
| Profit for the period |  |  |  |  | |  |  |  | |  | |  | | 39,584.40 |
|  |  |  |  |  |  | |  |  |  | |  | |  | |

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

**28. Operating Segments** (Continued)

Consolidated financial statements

As at March 31, 2019

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | | | | | | | |
|  | Upstream petroleum and natural gas | | | Downstream petroleum | | | Technology and Engineering | Others | Elimination | Total |
|  | Petroleum  exploration and  production | Natural gas | Coal | Oil | International trading | Petrochemicals and  Refining |
| Segment assets | 589,263.10 | 407,188.21 | 27,457.95 | 125,982.66 | 83,731.21 | 810,692.52 | 237,649.85 | 136,511.80 | - | 2,418,477.30 |
| Inter-company assets | 25,923.80 | 18,917.75 | 288.72 | 7,190.93 | 46,014.18 | 35,659.73 | 4,429.19 | 72,920.08 | (211,344.38) | - |
| Investments in joint ventures  and associates | 926.21 | 5,506.92 | - | 5,357.33 | - | 44,387.96 | 11,107.35 | - | - | 67,285.77 |
| Total segment assets | 616,113.11 | 431,612.88 | 27,746.67 | 138,530.92 | 129,745.39 | 890,740.21 | 253,186.39 | 209,431.88 | (211,344.38) | 2,485,763.07 |
| Non-allocated assets |  |  |  |  |  |  |  |  |  | 35,337.69 |
| Total assets |  |  |  |  |  |  |  |  |  | 2,521,100.76 |

**28. Operating Segments** (Continued)

Consolidated financial statements

For the three-month period ended March 31, 2018

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | |  |  |  | Unit: Million Baht | |
|  | Upstream petroleum and natural gas | | | Downstream petroleum | | | | Technology and  Engineering | Others | Elimination | Total |
|  | Petroleum  exploration and  production | Natural gas | Coal | Oil | International trading | | Petrochemicals and  Refining |
| Sales - others | 5,623.96 | 77,587.10 | 5,156.77 | 149,240.62 | | 129,617.63 | 162,584.37 | 3,128.19 | 33.34 | - | 532,971.98 |
| - related parties | 31,719.49 | 31,943.66 | - | 2,074.16 | | 128,064.49 | 104,317.33 | 3,894.16 | 678.67 | (302,691.96) | - |
| Net sales | 37,343.45 | 109,530.76 | 5,156.77 | 151,314.78 | | 257,682.12 | 266,901.70 | 7,022.35 | 712.01 | (302,691.96) | 532,971.98 |
| Gross profit (loss) \* | 32,823.36 | 25,296.05 | 1,652.48 | 9,820.20 | | 501.25 | 33,743.59 | 2,107.43 | (78.77) | (398.82) | 105,466.77 |
| EBITDA | 28,053.49 | 23,244.43 | 1,178.99 | 6,318.15 | | (126.79) | 29,172.39 | 1,958.27 | (261.10) | 578.46 | 90,116.29 |
| Depreciation and amortization expenses | (12,866.21) | (4,373.68) | (559.96) | (1,221.46) | | (7.95) | (8,486.33) | (917.13) | (86.77) | - | (28,519.49) |
| Segment operating profit (loss) | 15,187.28 | 18,870.75 | 619.03 | 5,096.69 | | (134.74) | 20,686.06 | 1,041.14 | (347.87) | 578.46 | 61,596.80 |
| Share of profit from investments in joint ventures and associates | 21.09 | 154.70 | - | 250.60 | | - | 1,878.13 | 167.95 | - | - | 2,472.47 |
| Others | 0.03 | 1.41 | 0.01 | (0.65) | | - | 33.44 | - | (136.10) | - | (101.86) |
| Unallocated revenue and expenses: |  |  |  |  | |  |  |  |  |  |  |
| Interest income |  |  |  |  | |  |  |  |  |  | 2,504.74 |
| Gain on derivatives |  |  |  |  | |  |  |  |  |  | 355.39 |
| Gain on foreign exchange rate |  |  |  |  | |  |  |  |  |  | 4,741.99 |
| EBIT |  |  |  |  | |  |  |  |  |  | 71,569.53 |
| Profit for the period |  |  |  |  | |  |  |  |  |  | 56,587.02 |
|  |  |  |  |  |  | |  |  |  |  |  |

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

**28. Operating Segments** (Continued)

Consolidated financial statements

As at December 31, 2018

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | | | | | | | |
|  | Upstream petroleum and natural gas | | | Downstream petroleum | | | Technology and Engineering | Others | Elimination | Total |
|  | Petroleum  exploration and  production | Natural gas | Coal | Oil | International trading | Petrochemicals and  Refining |
| Segment assets | 588,195.26 | 413,776.38 | 27,195.61 | 126,978.19 | 77,049.54 | 815,640.67 | 69,186.31 | 143,277.66 | - | 2,261,299.62 |
| Inter-company assets | 24,184.24 | 21,277.41 | 329.60 | 8,513.94 | 42,484.39 | 29,233.93 | 4,472.01 | 42,202.59 | (172,698.11) | - |
| Investments in joint ventures  and associates | 922.20 | 5,674.75 | - | 5,088.13 | - | 43,377.82 | 10,622.42 | - | - | 65,685.32 |
| Total segment assets | 613,301.70 | 440,728.54 | 27,525.21 | 140,580.26 | 119,533.93 | 888,252.42 | 84,280.74 | 185,480.25 | (172,698.11) | 2,326,984.94 |
| Non-allocated assets |  |  |  |  |  |  |  |  |  | 28,498.93 |
| Total assets |  |  |  |  |  |  |  |  |  | 2,355,483.87 |

**29. Fair Value Measurement**

The fair value of the current portions of financial assets and liabilities approximates the carrying value due to the relatively short-term maturity of these financial instruments.

The fair value of long-term lending loans and borrowings carrying interest at market rates approximates the carrying values.

As at March 31, 2019 and December 31, 2018, the Group had the assets and liabilities that were measured at fair value using different levels of inputs as follows:

As at March 31, 2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | |
|  | Consolidated financial statements | | | |
|  | Level 1 | Level 2 | Level 3 | Total |
| **Financial assets measured at fair value** |  |  |  |  |
| Available-for-sale investments |  |  |  |  |
| Equity instruments | 3,520.16 | - | - | 3,520.16 |
| Mutual funds | 1,163.43 | - | 430.00 | 1,593.43 |
| Debt instruments | - | 1,732.18 | - | 1,732.18 |
| Derivatives |  |  |  |  |
| Foreign currency forward contracts | - | 797.81 | - | 797.81 |
| Cross-currency swap contracts | - | 1,429.61 | - | 1,429.61 |
| Interest rate swap contracts | - | 1,190.26 | - | 1,190.26 |
| Commodity swap contracts | 16.59 | 446.62 | - | 463.21 |
| Other derivative contracts | - | 875.27 | - | 875.27 |
|  |  |  |  |  |
| **Financial liabilities measured at fair value** |  |  |  |  |
| Other accounts payable |  |  |  |  |
| Deferred considerations acquired through  business acquisition | - | - | 15,245.45 | 15,245.45 |
| Derivatives |  |  |  |  |
| Foreign currency forward contracts | - | 1,324.79 | - | 1,324.79 |
| Cross-currency swap contracts | - | 336.97 | - | 336.97 |
| Interest rate swap contracts | - | 467.76 | - | 467.76 |
| Commodity swap contracts | - | 1,660.03 | - | 1,660.03 |
| Other derivative contracts | - | 84.31 | - | 84.31 |

**29. Fair Value Measurement** (Continued)

As at March 31, 2019 and December 31, 2018, the Group had the assets and liabilities that were measured at fair value using different levels of inputs as follows: (Continued)

As at December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | |
|  | Consolidated financial statements | | | |
|  | Level 1 | Level 2 | Level 3 | Total |
| **Financial assets measured at fair value** | | | | |
| Available-for-sale investments |  |  |  |  |
| Equity instruments | 3,425.91 | - | - | 3,425.91 |
| Mutual funds | 1,104.59 | - | 388.27 | 1,492.86 |
| Debt instruments | - | 5,957.16 | - | 5,957.16 |
| Derivatives |  |  |  |  |
| Foreign currency forward contracts | - | 985.65 | - | 985.65 |
| Cross-currency swap contracts | - | 1,672.28 | - | 1,672.28 |
| Interest rate swap contracts | - | 257.46 | - | 257.46 |
| Commodity swap contracts | 1,731.90 | 1,373.50 | - | 3,105.40 |
| Other derivative contracts | - | 1,156.39 | - | 1,156.39 |
|  |  |  |  |  |
| **Financial liabilities measured at fair value** | | | | |
| Other accounts payable |  |  |  |  |
| Deferred considerations acquired through  business acquisition | - | - | 15,120.70 | 15,120.70 |
| Derivatives |  |  |  |  |
| Foreign currency forward contracts | - | 556.87 | - | 556.87 |
| Cross-currency swap contracts | - | 471.79 | - | 471.79 |
| Interest rate swap contracts | - | 366.14 | - | 366.14 |
| Commodity swap contracts | - | 1,738.15 | - | 1,738.15 |
| Other derivative contracts | - | 81.84 | - | 81.84 |

**29. Fair Value Measurement** (Continued)

As at March 31, 2019 and December 31, 2018, the Group had the assets and liabilities that were measured at fair value using different levels of inputs as follows: (Continued)

As at March 31, 2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | |
|  | Separate financial statements | | | |
|  | Level 1 | Level 2 | Level 3 | Total |
| **Financial assets measured at fair value** | | | | |
| Available-for-sale investments |  |  |  |  |
| Equity instruments | 1,800.00 | - | - | 1,800.00 |
| Mutual funds | 395.15 | - | 430.00 | 825.15 |
| Derivatives |  |  |  |  |
| Cross-currency swap contracts | - | 24.90 | - | 24.90 |
| Interest rate swap contracts | - | 1,016.15 | - | 1,016.15 |
|  |  |  |  |  |
| **Financial liabilities measured at fair value** | | | | |
| Derivatives |  |  |  |  |
| Cross-currency swap contracts | - | 54.14 | - | 54.14 |
| Interest rate swap contracts | - | 157.16 | - | 157.16 |

As at December 31, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Unit: Million Baht | | | | |
|  | Separate financial statements | | | |
|  | Level 1 | Level 2 | Level 3 | Total |
| **Financial assets measured at fair value** | | | | |
| Available-for-sale investments |  |  |  |  |
| Equity instruments | 1,816.00 | - | - | 1,816.00 |
| Mutual funds | 375.29 | - | 388.27 | 763.56 |
| Derivatives |  |  |  |  |
| Cross-currency swap contracts | - | 703.07 | - | 703.07 |
| Interest rate swap contracts | - | 5.12 | - | 5.12 |
|  |  |  |  |  |
| **Financial liabilities measured at fair value** | | | | |
| Derivatives |  |  |  |  |
| Cross-currency swap contracts | - | 103.22 | - | 103.22 |
| Interest rate swap contracts | - | 152.34 | - | 152.34 |

**29. Fair Value Measurement** (Continued)

Fair value valuation techniques and inputs for Level 2 valuation

The fair values of debt securities and derivatives were determined based on discounted future cash flow and valuation model techniques, using an appropriate risk-adjusted discount rate. Most of the inputs used for the valuation are observable in the relevant markets such as spot rates of foreign currencies, yield curves of the respective currencies, interest rate yield curves, bonds yield curves, and commodity price yield curves, etc.

Fair value valuation techniques and inputs for Level 3 valuation

The fair values of available-for-sale investments in mutual funds were determined based on the net asset value as reported in the Capital Call Statement and translated by using the closing exchange rate.

During the period, there was no transfer within the fair value hierarchy.

**30. Business Acquisition**

On June 20, 2018, GPSC entered into a Share Purchase Agreement with ENGIE Global Developments B.V. (ENGIE) to acquire shares totalling 1,010,976,033 shares both directly and indirectly in Glow Energy Public Company Limited (GLOW), a company that generates and supplies electricity, steam and water. The share acquisition represents 69.11% of total registered and paid-up capital at the purchase price of Baht 91.99 per share, totalling Baht 93,000.93 million. The acquisition of GLOW's shares was achieved by acquiring 218,696,260 direct shares and 792,279,773 indirect shares from acquiring all the shares of ENGIE Holding (Thailand) Company Limited. Sources of funding are a financial institution and related parties. GPSC made a full payment to ENGIE and changed a shareholder’s name on March 14, 2019.

On March 22, 2019, GPSC submitted the Tender Offer for Securities (Form 247-4) to make a tender offer for all of the remaining shares at 30.89% of total registered and paid-up capital. The net offer price is Baht 90.57 per share (net from dividend at the rate of Baht 1.177 per share and after deducting the brokerage fee and Value Added Tax). The offer period will be from March 25, 2019 to May 17, 2019.

Details of net assets acquired and goodwill at the acquisition date are as follows:

|  |  |
| --- | --- |
| Unit: Million Baht | |
| Purchase consideration | 93,000.93 |
| Fair value of net assets acquired | (31,084.88) |
| Goodwill (Note 16) | 61,916.05 |

**30. Business Acquisition** (Continued)

Assets and liabilities arising from the business acquisition at the acquisition date are as follows:

|  |  |
| --- | --- |
| Unit: Million Baht | |
| Cash and cash equivalents | 14,487.72 |
| Trade accounts receivable | 6,133.04 |
| Other accounts receivable | 285.91 |
| Short-term lending loans | 306.66 |
| Inventories | 1,027.23 |
| Materials and supplies | 4,342.64 |
| Other current assets | 34.90 |
| Investments in associates | 330.03 |
| Long-term lending loans | 3,028.78 |
| Property, plant and equipment (Note 15) | 71,480.96 |
| Intangible assets (Note 17) | 706.09 |
| Deferred tax assets | 2,821.25 |
| Other non-current assets | 2,670.30 |
| Trade accounts payable | (3,128.52) |
| Other accounts payable | (1,592.04) |
| Short-term loans (Note 21) | (701.55) |
| Current portion of long-term loans (Note 21) | (4,802.84) |
| Income tax payable | (677.25) |
| Other current liabilities | (778.22) |
| Long-term loans (Note 21) | (30,617.99) |
| Deferred tax liabilities | (1,132.92) |
| Provisions for employee benefit (Note 22) | (255.61) |
| Other non-current liabilities | (12,558.94) |
| Fair value of net assets | 51,409.63 |
| Less Non-controlling interests | (20,324.75) |
| Fair value of net assets acquired | 31,084.88 |
| Add Goodwill (Note 16) | 61,916.05 |
| Total purchase consideration transferred | 93,000.93 |
| Less Cash and cash equivalents of subsidiaries | (14,487.72) |
| Cash outflow on the business acquisition | 78,513.21 |

**30. Business Acquisition** (Continued)

GPSC measured non-controlling interests by the ownership instruments’ proportionate share in the recognised amounts of the acquiree’s identifiable net assets.

As at March 31, 2019, GPSC is reviewing the fair value of net assets acquired. The aforementioned fair value of the net assets will be revised when the initial purchase price allocation is completed.

**31. Proceeding regarding the Central Administrative Court’s Ordering Temporary Suspension of Projects in Map Ta Phut Area**

On June 19, 2009, the Stop Global Warming Association and a group of individuals totaling   
43 parties (the Petitioners) filed a complaint with the Central Administrative Court (the Court) as the black case No. 908/2552, against eight government agencies, together with a motion seeking   
the Court injunction to temporarily suspend all operations and activities of 76 industrial projects in the Map Ta Phut area in Rayong Province.

On September 29, 2009, the Court ordered the temporary injunction by requiring the eight accused government agencies to issue the order to temporarily suspend all 76 projects pending the Court’s judgment or order otherwise, except for those projects or activities which received the permits before the effective date of the Constitution of Kingdom of Thailand B.E. 2550 or which were not required to prepare the Environmental Impact Assessment (EIA) reports pursuant to the Ministerial Announcement of Ministry of Natural Resources and Environment dated  
June 16, 2009. 25 projects of the Group were under the suspension order, and 3 of those 25 projects belonged to the Company.

On October 16, 2009, the Group, as an interested person, submitted a motion to appeal the Court’s order to the Supreme Administrative Court.

On December 2, 2009, the Supreme Administrative Court issued an order No. 592/2552 amending the Court’s injunction by requiring the eight accused government agencies to order the temporary suspension of all projects or activities listed in the complaint except for 11 projects, which clearly, according to the Supreme Administrative Court, did not severely affect the community but were projects intended to mitigate pollution or only additional installation to the existing projects. Among those 11 projects, 7 of them belonged to the Group, comprising 1 project of the Company and 6 projects of the other companies in the Group. 2 projects of the Company were still under the Court’s order to suspend.

On December 18, 2009, the public prosecutor submitted the answer rejecting all allegations in the complaint.

On September 2, 2010, the Court rendered a judgment revoking the permit of the projects listed in the complaint which, according to the law, were categorized as project that might severely affect the community and did not comply with the procedures set forth in Section 67 paragraph 2 of the Constitution, B.E. 2550. The revocation was effective as of the date of the judgment.   
1 project of the Group is within the scope of the judgment.

On October 1, 2010, the 43 prosecutors appealed the Court’s judgment to the Supreme Administrative Court. On December 7, 2010, the eight accused government agencies by the public prosecutors submitted a reply to the appeal. The appeal is currently under the consideration of the Supreme Administrative Court.

**32. Commitments and Contingent Liabilities**

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

32.1 Details of commitments to subsidiaries and joint ventures are as follows:

32.1.1 The Company has provided loans to its subsidiaries with credit limits totalling Baht 112,243.00 million. As at March 31, 2019, the Company made these loans payments to its subsidiaries totalling Baht 63,213.31 million. The remaining credit limits were Baht 49,029.69 million.

32.1.2 The Company entered into the Sponsor Support Agreements with subsidiaries and joint ventures with credit limits equal to the sum of the loan obligations to financial institutions of such subsidiaries and joint ventures. Under these agreements, as at March 31, 2019, the Company had commitments of USD 56.91 million or equivalent to Baht 1,819.90 million.

32.1.3 The Company had obligations under the Shareholder Agreements to pay for ordinary shares in proportion to its shareholding. As at March 31, 2019, the Company had remaining obligations amounting to Baht 6,113.93 million.

32.2 Commitments under operating leases - the Group as a lessee, the future minimum lease payments under uncancellable operating leases as at March 31, 2019 and December 31, 2018 are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | Unit: Million Baht | |
|  | Consolidated  financial statements | | Separate  financial statements | |
|  | March 31, 2019 | December 31, 2018 | March 31, 2019 | December 31, 2018 | |
| - Within 1 year | 2,068.86 | 2,190.36 | 25.37 | 24.86 | |
| - Over 1 year but not over 5 years | 5,963.75 | 4,912.73 | 153.33 | 155.23 | |
| - Over 5 years | 24,826.35 | 25,221.61 | 471.60 | 481.10 | |
| Total | 32,858.96 | 32,324.70 | 650.30 | 661.19 | |

32.3 As at March 31, 2019, the Group had capital commitments of Baht 40,057.12 million in the consolidated financial statements.

32.4 As at March 31, 2019, the Group had outstanding letters of credit of Baht 40,865.77 million in the consolidated financial statements and Baht 2,434.36 million in the separate financial statements.

32.5 As at March 31, 2019, the Group had contingent liabilities in the form of letter of guarantee amounting to Baht 26,889.51 million in the consolidated financial statements and Baht 76.80 million in the separate financial statements.

**32. Commitments and Contingent Liabilities** (Continued)

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

32.6 A subsidiary entered into a contract to sell a product to the Company and the Company entered into a contract to resell the same product to a listed company. The term of the two contracts was 15 years, expiring on January 31, 2012. Before the expiration of the contract, the subsidiary notified the Company that the contract would not be renewed. Consequently, without product to resell, the Company had to notify the listed company that the contract would also not be renewed. The Company’s notice was served to the listed company in accordance with the terms and conditions set forth in the contract. On December 3, 2009, the listed company submitted claims with the Thai Arbitration Institute (the Institute) requesting the Company and the subsidiary, as the seller and the supplier, respectively, to comply with the contracts by continuing to sell   
the product to the listed company or be jointly liable to pay damages.

On February 10, 2010, the subsidiary submitted motion with the Institute asking to dismiss   
the claims against it from the case list. The Institute issued an order to dismiss the claims relating to the subsidiary.

The Company forwarded the case to the Office of the Attorney General to submit a defense to   
the Institute. On April 28, 2010, the public prosecutor submitted the defense with the Institute for the Company. The tribunal finished the witness examination. Consequently, on March 25, 2016, the tribunal ruled that the Company make a partial payment for compensations to the listed company. However, the Company was of the opinion that the arbitral award might be both factually and legally inconsistent. Therefore, the Company could exercise its legal right by filing a motion with the court requesting the arbitral award to be revoked. On June 30, 2016, the Company by the public prosecutor filed a motion to revoke the arbitral award with the Civil Court. Currently, this case is under the consideration of the Civil Court. Subsequently, on December 16, 2016, the listed company submitted a motion with the Civil Court asking for the enforcement of the arbitral award. The Company by the public prosecutor submitted the objection with the Civil Court. Currently, the case is under the consideration of the Civil Court.

**32. Commitments and Contingent Liabilities** (Continued)

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

32.7 On May 26, 2010, the contractor for an onshore natural gas pipeline construction project

(the “Contractor”) submitted claims to the Thai Arbitration Institute (the Institute) seeking overdue payment and damages for the work performed in the aforementioned project from the Company. The Company, however, considered that the submission of the claims was incompliant with the dispute resolution procedure agreed upon the contract. Therefore, the Company filed an opposition to the Contractor’s claim submission with the Institute and reserved right to protest such contractually incompliant claim submission in the arbitration procedure. After the claim submission, the Central Bankruptcy Court ordered the Contractor to be under an absolute receivership which rendered the official receiver to have sole power in any litigation pertaining to the Contractor’s assets. Subsequently, the Contractor’s official receiver has petitioned the Institute to substitute the Contractor in the dispute against the Company. Regarding the Contractor’s bankruptcy case, the Company submitted a motion for receiving a debt payment in accordance with the law as a creditor. With respect to the arbitration process, the Company submitted the defense together with counterclaims seeking damages from the Contractor. Subsequently, the arbitral tribunal rendered an award ordering the Company to partially pay for the Contractor’s claims. However, the Company considered that the arbitral award is materially both factually and legally inconsistent. The Company, therefore, filed a motion to revoke the arbitral award, while the contractor submitted a motion with the Civil Court to enforce the arbitral award. On October 17, 2017, the Civil Court delivered a judgement to enforce the arbitral award whereby some penalty amounts were reduced. However, The Company submitted with the Supreme Court an appeal of the Civil Court's judgment and, together with the appeal, the Company also placed with the Civil Court a Company's book bank as a security to stay the enforcement of the judgment as stated in Note 19. Subsequently, the Contractor also submitted with the Supreme Court an appeal of the Civil Court's judgment. The case is under the consideration of the Supreme Court.

On September 8, 2010, the Contractor by the official receiver submitted another claim to the Institute seeking overdue payment and damages from the Company for the work performed in connection with another pipeline construction project. The Company, however, considered that the submission of the claims was incompliant with the dispute resolution procedure agreed upon the contract. Therefore, the Company filed an opposition to the Contractor’s claim submission with the Institute and reserved the right to protest such contractually incompliant claim submission in the arbitration procedure. In contention against the alleged claims, the Company submitted the defense together with counterclaims seeking damages from the Contractor.Subsequently, the arbitral tribunal was mutually appointed to consider the disputes. On November 30, 2018, the tribunal rendered an award that both claims and counterclaims were dismissed. However, the Company already submitted the application of repayment of debt in the bankruptcy case. The Contractor, then, file a motion for revocation of the arbitral award with the Civil Court and the Company is coordinating with the Office of the Attorney General for submission of the objection with the Civil Court.

32.8 On February 25, 2014, the contractor for an on-shore natural gas pipeline construction project (the “Contractor”) filed a lawsuit against the Company with the Civil Court on the grounds of wrongful termination and breach of contract and claimed for outstanding payment of the work and damages. On the contrary, the Company considered that all of the Company’s actions have been in accordance with the terms and conditions of the contract. Therefore, the Company forwarded the case to the Office of the Attorney General for consideration to arguing the case for the Company and the prosecutor has submitted the answer with the Court. Consequently, the Civil Court ordered the case be transferred to the Central Administrative Court for consideration and judgment because the Civil Court and the Central Administrative Court has the corresponding opinions that this case was an administrative case. The Civil Court transferred this case to the Central Administrative Court. Currently, the case is under the consideration of the Central Administrative Court.

**32. Commitments and Contingent Liabilities** (Continued)

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

32.8 After the Company terminated the contract with the Contractor, the Company completed an on-shore natural gas pipeline construction project. On June 20, 2018, the Company filed a lawsuit against the Contractor with the Central Administrative Court on the grounds of breach of contract and absent from service and claimed for damages. Currently, the case is under the consideration of the Central Administrative Court.

32.9 On March 11, 2016, PTTEP AA received a letter from a firm of Australia lawyers representing a group of West Timorese seaweed farmers, notifying PTTEP AA of their intention to commence a legal action for compensation relating to the incident in 2009 when oil and natural gas leaked from a well in PTTEP AA’s Montara project in Australian territory in the Timor Sea. Subsequently, on August 9, 2016, PTTEP AA was notified of a claim made in the Sydney Registry of the Federal Court of Australia seeking damages on behalf of a group of seaweed farmers (Class Action). The Statement of Claim as filed does not quantify the claim, and no supporting evidence has yet been presented to the court. PTTEP AA has appointed lawyers and is defending the claim.

PTTEP considers that the claims from representative of West Timorese seaweed farmers related to Montara oil spill incident remain unproven due to insufficient evidence to support the claim.

32.10 During the third quarter of 2014, the number of people in Rayong filed several lawsuits with the Civil Court and Rayong Provincial Court against PTTGC to claim the extra compensation from oil spill incident and to perform the rehabilitation of the sea and natural environmental recovery. Some cases have been dismissed and some cases have been passed a judgement by   
the Civil Court on August 25, 2016 ordered PTTGC to compensate for damages, including interest and rehabilitation, of approximately Baht 11.26 million. PTTGC has appealed on February 17, 2017. Subsequently, on 11 May 2018, PTTGC made a compromise agreement with most plaintiffs at the Civil Court. On December 20, 2018, the Appeal Court has passed their judgement according to the compromise contracts which PTTGC has already paid compensation in full amount. For the remaining plaintiffs, the Appeal Court orders PTTGC to pay compensation with its interest according to the primary Civil Court‘s judgement and reduced the amount of interest. PTTGC has paid compensation to all plaintiff completely, and no petition is submitted to Supreme Court by any of plaintiff. This case is terminated.

On September 28, 2018, the Rayong Provincial Court has made the judgement ordering PTTGC to pay damage cost with its interest approximately Bath 37.74 million by deducting the remedy payment paid to the plaintiffs of Baht 24.00 million. PTTGC deposited the remaining damage cost with its interest cost to the Civil Court on February 26, 2019. Some plaintiffs have filed an Appeal to Rayong Provincial Court. PTTGC shall arrange the counter of Appeal once a copy of such is delivered to PTTGC thereafter.

**33. Other Event**

33.1 On April 4, 2016, the Ombudsman of Thailand submitted a complaint to the Administrative Court against the Minister of Finance, the Minister of Energy, the Company and other defendants as a black case No. 510/2559, requesting the Court as follows:

1. To revoke the Cabinet Resolutions on December 18, 2007 and August 10, 2010.
2. To order the Minister of Finance, the Minister of Energy and the Company to conduct a segregate and transfer of net assets according to the plaintiff’s allegation as of September 30, 2001 amounting to Baht 68,569.69 million, including other compensations and benefits.
3. To revoke the segregate of public assets and the preferential rights to establish the gas pipeline system according to the plaintiff’s allegation.

On May 26, 2016, the Administrative Court ordered the Company to submit a defense, responding to the particular issue that was whether the Company completely transferred the assets of the Petroleum Authority of Thailand (the tenth defendant), which were public assets, to the first defendant (the Minister of Finance) in accordance with the Cabinet Resolution on December 18, 2007. The Company had the public prosecutor prepared the statement and additional statement for submission to the Administrative Court. On May 11, 2018, the Administrative Court issued an order to end the fact finding process. Currently, the case is under the consideration of the Administrative Court.

Nevertheless, on December 14, 2007, the Supreme Administrative Court in a red case No. Fo. 35/2550, ordered the defendants to jointly segregate the public assets to the Minister of Finance, in accordance with the judgment. Therefore, on December 18, 2007, the Cabinet acknowledged the aforesaid judgment and assigned the Minister of Finance and the Minister of Energy to jointly segregate the public assets to comply with the judgment. Consequently, on December 26, 2008, the Supreme Administrative Court declared that the defendants had completely complied with the judgment of the Court. Furthermore, the plaintiff and the co-plaintiffs had submitted complaints regarding such segregation of public assets to the Court for four times but the Court ordered to dismiss such complaints and reaffirmed that the judgment of the Supreme Administrative Court in the red case No. Fo. 35/2550 was completed. Consequently, on August 10, 2010, the Cabinet acknowledged the conduct followed the Supreme Administrative Court’s judgment in accordance with the proposals of the Minister of Energy and the Minister of Finance.

33.2 On March 21, 2019, PTTEP HK Offshore Limited (PTTEP HKO), a subsidiary of the PTTEP Group, had signed the Share Sale and Purchase Agreement (SSPA) to acquire the 100% shareholding interests of Murphy Oil Corporation (Murphy) in Malaysia through acquisition of shares in subsidiaries, which are Murphy Sabah Oil Co. Ltd. (Murphy Sabah) and Murphy Sarawak Oil Co. Ltd. (Murphy Sarawak). The acquisition covers the petroleum exploration, development and production projects of 5 projects, which are the Sabah K project, the SK309 and SK311 project, the Sabah H project, the SK314A project and the SK405B project with total acquisition value of approximately USD 2,127 million, to be adjusted for working capital until the completion date. There may be additional considerations of not exceeding USD 100 million if there is significant petroleum found from exploration of SK405B project. The closing date is expected to be within the second quarter of 2019.

The PTTEP Group has restricted cash that is a deposit in Escrow Account at a financial institution used as collateral according to SSPA, to acquire all business of Murphy in Malaysia, amounting to USD 205.20 million (Baht 6,527.76 million). This amount included in restricted bank cash under cash and cash equivalents in the statement of financial position as stated in Note 4.

**34. Events after the Reporting Period**

34.1 On February 15, 2019, at the Board of Directors Meeting of PTT LNG Company Limited (PTTLNG) No. 2/2019, the Board passed a resolution to approve the called up payment of Baht 1,069.00 million for additional shares. The Company made the payment on April 22, 2019.

34.2 On April 1, 2019, at the Extraordinary General Meeting of the shareholders of PTT Global Management Co., Ltd. (PTTGM) No. 1/2019, the shareholders passed an extraordinary resolution to increase the authorized share capital at Baht 100.00 per share in respect of 40,300 shares, amounting to Baht 4.03 million. The Company made the share payment amounting to Baht 1.43 million on April 29, 2019.

On April 25, 2019, at the 2019 Annual General Meeting of the shareholders of PTTGM, the shareholders passed a resolution to increase the authorized share capital at Baht 100.00 per share in respect of 120,000 shares, amounting to Baht 12.00 million. The Company made the share payment amounting to Baht 3.00 million on May 7, 2019.

34.3 On April 11, 2019, at the 2019 Annual General shareholders’ Meeting of the Company, the shareholders approved a dividend payment at Baht 2.00 per share for 2018 or approximately Baht 57,123.07 million. On October 26, 2018, the Company paid an interim dividend for the first half of 2018 of Baht 0.80 per share for 28,562,591,709 shares, or amounting to Baht 22,850.07 million. The remaining dividend would be paid in respect of the earnings of the second half of 2018 at Baht 1.20 per share for 28,560,830,446 shares or amounting to Baht 34,273.00 million. The Company paid the above remaining dividend on April 30, 2019.

34.4 On April 23, 2019, at the Extraordinary General Meeting of the shareholders of Map Ta Phut Air Products Company Limited (MAP) No. 2/2019, the shareholders passed a resolution to approve the called up payment of Baht 33.81 million for additional shares. The Company made the payment on April 29, 2019.

34.5 The Audit Committee of the Company approved these financial statements for public issuance on May 13, 2019.