November 14, 2017

## Consolidated Financial Results for the Second Quarter of

 Fiscal Year 2017 (From April 1, 2017 to September 30, 2017) [Japan GAAP]Company Name: Idemitsu Kosan Co.,Ltd. (URL http://www.idemitsu.com)

Company Code: 5019, Shares listed on: Tokyo Stock Exchange
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Telephone: +81-3-3213-9307
Scheduled date of filing of quarterly securities report: November 14, 2017
Scheduled date of commencement of dividend payments: December 7, 2017
Supplementary materials for the quarterly financial results: Yes
Quarterly financial results presentation: Yes (for institutional investors and analysts)
(Figures less than $¥ 1$ million are rounded off)

1. Consolidated Financial Results for the Second Quarter of FY2017 (From April 1, 2017 to September 30, 2017)
(1) Consolidated operating results
(Percentage figures represent changes from the corresponding previous period)

|  | Net sales |  | Operating income |  | Ordinary income |  | Net income <br> attributable to owners <br> of the parent |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ¥million | \% | ¥million | \% | ¥million | \% | $¥$ million | \% |
| 2Q FY2017 | 1,697,382 | 19.0 | 86,117 | 164.7 | 89,525 | 179.1 | 57,329 | 152.0 |
| 2Q FY2016 | 1,426,341 | (23.6) | 32,530 | - | 32,075 | - | 22,749 | - |

Notes: Comprehensive income 2Q FY2017 $¥ 58,202$ million - \% 2Q FY2016 $¥(19,657)$ million $-\%$

|  | Net income per share | Diluted net income <br> per share |
| :--- | ---: | ---: |
|  | $¥$ |  |
| 2Q FY2017 | 325.34 |  |
| 2Q FY2016 | 142.23 | - |

(2) Consolidated financial position

|  | Total assets | Net assets | Equity ratio |
| :---: | :---: | :---: | ---: |
|  | $¥$ million | $\not ¥ m i l l i o n$ | $\%$ |
| 2Q FY2017 | $2,669,286$ | 792,912 | 28.4 |
| FY2016 | $2,641,633$ | 619,932 | 22.1 |

Reference: Total equity 2Q FY $2017 ¥ 757,643$ million $\quad$ FY $2016 ¥ 583,800$ million
2. Dividends

|  | Cash dividends per share |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: |
|  | As of Jun.30 | As of Sep.30 | As of Dec.31 | As of Mar.31 | Total |
|  | $¥$ | $¥$ | $¥$ | $¥$ | $¥$ |
| FY2016 | - | 25.00 | - | 25.00 | 50.00 |
| FY2017 | - | 40.00 |  |  |  |
| FY2017 |  |  | - | 40.00 | 80.00 |
| (Forecasts) |  |  |  |  |  |

Notes: Revisions of the forecasts of cash dividends since the latest announcement: Yes
3. Forecasts of Consolidated Financial Results for FY2017 (From April 1, 2017 to March 31, 2018)
(Percentage figures represent changes from the previous fiscal year)

|  | Net sales |  | Operating income |  | Ordinary income |  | Net income attributable to owners of the parent |  | Net income per share |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FY2017 | $\begin{array}{r} \text { ¥million } \\ 3,600,000 \end{array}$ | $\begin{array}{r} \hline \% \\ 12.8 \end{array}$ | $\begin{gathered} \hline ¥ \text { million } \\ 160,000 \end{gathered}$ | $\begin{array}{r} \% \\ 18.3 \end{array}$ | $\begin{array}{r} \hline ¥ \text { million } \\ 176,000 \\ \hline \end{array}$ | \% 25.7 | $\begin{gathered} \hline ¥ \text { million } \\ 100,000 \end{gathered}$ | \% 13.4 | ¥ 520.72 |

Notes: Revisions of the forecasts of consolidated financial results since the latest announcement: Yes

## * Notes

(1) Changes of number of material consolidated subsidiaries during the six months ended September 30, 2017: None
(2) Application of the accounting method peculiar to the preparation of the quarterly financial statements: Yes
(3) Changes in accounting policies, accounting estimates and restatement
a) Changes in accounting policies arising from revision of accounting standards: None
b) Changes arising from other factors: None
c) Changes in accounting estimates: None
d) Restatement: None
(4) Number of shares issued (common stock)
a) Number of shares issued (including treasury stock)

As of September 30, 2017: 208,000,000 As of March 31, 2017: 160,000,000
b) Number of shares of treasury stock As of September 30, 2017: 47,356 As of March 31, 2017: 47,236
c) Weighted average number of shares outstanding during the period

Six months ended September 30, 2017: 176,214,998
Six months ended September 30, 2016: 159,953,044
*1 This document is out of the scope of the quarterly review procedures under the Financial Instruments and Exchange Act.
*2 The financial forecasts above are based on information available and assumptions as of the date of publication of this document. Actual operating results may differ from the forecasts due to various factors. Additionally, for the assumptions used for the forecasts of the above, please refer to page 4 "Explanation of Forecasts of Consolidated Financial Results for FY 2017" of the Appendix.

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## 1. Qualitative Information on the Consolidated Operating Results for the Second Quarter of FY 2017

(1) Explanation of Operating Results

The overall domestic demand for petroleum products during the six months ended September 30, 2017 was nearly consistent with the same period of fiscal 2016.

Dubai crude oil prices remained weak and fell lower than $\$ 44.0 / \mathrm{bbl}$ in June due to productions increased by some non-OPEC countries and increased productions of shale oil. The outlook for a recovery in worldwide demand for crude oil boosted Dubai crude oil prices further in the later months to recover to the $\$ 50.0 / \mathrm{bbl}$ range. As a result, the average price of crude oil from April to September 2017 was $\$ 50.1 / \mathrm{bbl}$, an increase of $\$ 6.9 / \mathrm{bbl}$ from the same period last year.

Demand for petrochemical products during the first half of fiscal 2017 remained firm, particularly in Asia. The price for naphtha, a petrochemical raw material, was $\$ 465.0 / \mathrm{ton}$, an increase of $\$ 61.0 /$ ton from the same period last year.
(Crude oil price, naphtha price and exchange rate)

|  | Six months ended <br> September 30, 2016 | Six months ended <br> September 30, 2017 | Change |  |
| :--- | ---: | ---: | ---: | ---: |
| Dubai Crude Oil (\$/bbl) | 43.2 | 50.1 | +6.9 | $+16.0 \%$ |
| Naphtha (\$/ton) | 404 | 465 | +61 | $+15.1 \%$ |
| Exchange Rate (¥/\$) | 106.3 | 112.1 | +5.8 | $+5.5 \%$ |

The Idemitsu Group’s net sales for the six months ended September 30, 2017 were $¥ 1,697.4$ billion, up $19.0 \%$ from the corresponding period of fiscal 2016, mainly due to increased import prices for crude oil.

Operating income for the first half of fiscal 2017 was $¥ 86.1$ billion, an increase of $164.7 \%$ from the same period last year, mainly due to increased margins of petroleum products and higher prices of natural resources. Non-operating income increased to $¥ 3.4$ billion, an improvement of $¥ 3.9$ billion from the same period last year, thanks to an increase in profit on equity in earnings nonconsolidated subsidiaries and affiliates. Consequently, ordinary income was $¥ 89.5$ billion, an increase of $179.1 \%$ from the same period last year.

As a result, net income attributable to owners of the parent was $¥ 57.3$ billion, an increase of $152.0 \%$ from the same period last year.

The performance of each business segment for the six months ended September 30, 2017 is as follows:

As to quarterly reporting periods, domestic subsidiaries use September 30 as their balance sheet date whereas overseas subsidiaries use June 30 as their balance sheet date, except for certain subsidiaries. As such, the following performance of the business segments includes the operating results of overseas subsidiaries for the six months ended June 30, 2017, and those of domestic subsidiaries for the six months ended September 30, 2017.
In association with an organizational change, effective as of July 1, 2017, net sales and operating income for the geothermal energy business and the uranium business, which had previously been categorized as part of "coal business and others" in the resources segment, were regrouped with "oil exploration and production and geothermal energy business", and "coal business and others" respectively in the resource segment. These changes were put into effect retroactively for the first six months of fiscal 2017.
[Petroleum products segment]
Net sales of the petroleum products segment were $¥ 1,294.0$ billion, an increase of $19.1 \%$ compared with the same period of fiscal 2016, due partly to increases in import prices for crude oil.
Operating income was $¥ 31.2$ billion, an increase of $131.4 \%$ from the corresponding period last year, thanks to stronger upward factors such as improved product margins compared to downward factors, including the unfavorable effect of inventory valuation.

## [Petrochemical products segment]

Net sales of the petrochemical products segment for the six months ended September 30, 2017 were $¥ 228.3$ billion, an increase of $9.7 \%$ from the same period of fiscal 2016, largely due to increases in naphtha prices.
Operating income was $¥ 20.6$ billion, up $22.3 \%$ from the same period last year, due to
favorable factors such as stable margins for styrene monomer and other products, which were partially offset by downward factors, including higher fuel costs for production.

## [Resources segment]

(Oil exploration and production and geothermal energy business)
Net sales of the oil exploration and production and geothermal energy business for the six months ended September 30, 2017 were $¥ 42.5$ billion, up $27.6 \%$ from the corresponding period of the previous year, bolstered primarily by a significant increase in crude oil prices, with operating income of $¥ 14.0$ billion, up $807.4 \%$ from the same period of the preceding year.
(Coal business and others)
Net sales of the coal business and others for the six months ended September 30, 2017 were $¥ 101.0$ billion, up $41.4 \%$ compared with the same period last year, helped largely by a significant increase in coal prices, with operating income of $¥ 18.8$ billion, an increase of $¥ 18.1$ billion from the same period of the preceding year.

As a result, total net sales of the resources segment were $¥ 143.5$ billion, up $37.0 \%$ from the corresponding period of the previous year, and operating income was $¥ 32.8$ billion, an increase of $¥ 30.5$ billion from the corresponding period of last year.

## [Other segments]

Net sales of the other segments for the six months ended September 30, 2017 were $¥ 31.5$ billion, up $17.2 \%$ from the same period last year, and operating income was $¥ 3.1$ billion, up $96.9 \%$ compared with the corresponding period of fiscal 2016.

## (2) Explanation of Financial Position

Total assets as of September 30, 2017 increased by $¥ 27.7$ billion from the end of fiscal 2016 to $¥ 2,669.3$ billion, mainly due to increases in cash and deposits despite decreases in accounts receivable-trade, inventory and tangible fixed assets. Total liabilities as of September 30, 2017 decreased by $¥ 145.3$ billion from the end of fiscal 2016 to $¥ 1,876.4$ billion, mainly due to decreases in interest-bearing debt (down to $¥ 900.7$ billion) and in accounts payable-trade.

Total net assets as of September 30, 2017 increased by $¥ 173.0$ billion from the end of fiscal 2016 to $¥ 792.9$ billion, reflecting increases of $¥ 59.7$ billion for both capital and capital surplus respectively due to the effect of public offering along with net income attributable to owners of the parent. Consequently, the equity ratio was $28.4 \%$, up 6.3 points from the end of fiscal 2016.

Cash and cash equivalents as of September 30,2017 were $¥ 148.3$ billion, an increase of $¥ 58.2$ billion compared with the end of fiscal 2016. Major factors for this increase are as follows:

Net cash provided by operating activities amounted to $¥ 136.3$ billion. This was because cashincreasing factors such as favorable quarterly net income before income taxes and accrued payment exceeded decreasing factors such as a decrease in accounts payable-trade.

Net cash used in investing activities amounted to $¥ 41.4$ billion, due mainly to an increase in property, plant and equipment as a result of capital spending along with an increase in longterm loans provided.

Net cash used in financing activities was $¥ 37.1$ billion. This was because cash-increasing factors such as a decrease in interest-bearing liabilities exceeded decreasing factors such as the proceeds from new share issuance.
(3) Explanation of Forecasts of Consolidated Financial Results for FY2017

The Company has revised the forecasts of the consolidated financial results for the year ending March 31, 2018 released on May 15, 2017, given the actual business results for the first half of fiscal 2017 and the latest forecasts.

## 2. Consolidated Financial Statements for theSecond Quarter of FY2017 and Major Notes

(1) Consolidated Quarterly Balance Sheets

| (Unit: ¥Million) |  |  |
| :---: | :---: | :---: |
|  | FY 2016 (As of March 31, 2017) | 2nd Quarter of FY2017 <br> (As of September 30, 2017) |
| Assets |  |  |
| Current assets: |  |  |
| Cash and deposits | 91,423 | 149,583 |
| Notes and accounts receivable, trade | 327,402 | 311,090 |
| Inventories | 430,861 | 423,256 |
| Other | 112,712 | 112,912 |
| Less: Allowance for doubtful accounts | $(2,629)$ | (795) |
| Total current assets | 959,770 | 996,047 |
| Fixed assets: |  |  |
| Property, plant and equipment: |  |  |
| Machinery and equipment, net | 203,493 | 190,347 |
| Land | 584,350 | 584,315 |
| Other, net | 234,241 | 239,608 |
| Total property, plant and equipment | 1,022,086 | 1,014,271 |
| Intangible fixed assets | 22,124 | 21,224 |
| Investments and other assets: |  |  |
| Investment securities | 414,455 | 412,533 |
| Oil field premium assets | 30,617 | 19,144 |
| Other | 193,036 | 206,521 |
| Less: Allowance for doubtful accounts | (457) | (456) |
| Total investments and other assets | 637,652 | 637,743 |
| Total fixed assets | 1,681,863 | 1,673,239 |
| Total assets | 2,641,633 | 2,669,286 |
| Liabilities |  |  |
| Current liabilities: |  |  |
| Notes and accounts payable, trade | 331,602 | 291,813 |
| Short-term loans payable | 357,566 | 247,028 |
| Commercial paper | 104,005 | 79,000 |
| Current portion of bonds payable | 10,000 | 25,000 |
| Accounts payable, other | 231,990 | 268,562 |
| Income taxes payable | 14,529 | 32,469 |
| Provision for bonuses | 8,247 | 8,086 |
| Other | 87,036 | 88,227 |
| Total current liabilities | 1,144,978 | 1,040,187 |
| Non-current liabilities: |  |  |
| Bonds payable | 55,000 | 30,000 |
| Long-term loans payable | 524,115 | 518,070 |
| Liability for employees' retirement benefits | 15,093 | 15,119 |
| Reserve for repair work | 28,357 | 34,915 |
| Asset retirement obligations | 78,132 | 78,233 |
| Oil field premium liabilities | 38,114 | 26,211 |
| Other | 137,908 | 133,635 |
| Total non-current liabilities | 876,722 | 836,186 |
| Total liabilities | 2,021,700 | 1,876,373 |


| Net assets |  |  |
| :---: | :---: | :---: |
| Shareholders' equity: |  |  |
| Common stock | 108,606 | 168,351 |
| Capital surplus | 71,131 | 130,875 |
| Retained earnings | 249,549 | 304,907 |
| Treasury stock | (131) | (132) |
| Total shareholders' equity | 429,156 | 604,002 |
| Accumulated other comprehensive income: |  |  |
| Unrealized gains (losses) on available-for-sale securities | 7,617 | 9,282 |
| Deferred gains (losses) on hedging activities, net | $(7,713)$ | $(6,963)$ |
| Surplus from land revaluation | 155,541 | 155,183 |
| Foreign currency translation adjustments | 318 | $(3,337)$ |
| Defined retirement benefit plans | $(1,119)$ | (524) |
| Total accumulated other comprehensive income | 154,644 | 153,640 |
| Noncontrolling interests | 36,132 | 35,269 |
| Total net assets | 619,932 | 792,912 |
| Total liabilities and net assets | 2,641,633 | 2,669,286 |

(2) Consolidated Quarterly Statements of Income and Comprehensive Income

1) Consolidated Quarterly Statements of Income

| (Unit: ¥Million) |  |  |
| :---: | :---: | :---: |
|  | 2nd Quarter of FY2016 (From April 1, 2016 to September 30, 2016) | 2nd Quarter of FY2017 (From April 1, 2017 to September 30, 2017) |
| Net sales | 1,426,341 | 1,697,382 |
| Cost of sales | 1,261,354 | 1,475,053 |
| Gross profit | 164,986 | 222,329 |
| Selling, general and administrative expenses | 132,456 | 136,211 |
| Operating income | 32,530 | 86,117 |
| Non-operating income: |  |  |
| Interest income | 1,242 | 1,972 |
| Dividend income | 1,121 | 1,872 |
| Gain on foreign exchange, net | - | 212 |
| Equity in earnings of nonconsolidated subsidiaries and affiliates, net | 2,749 | 7,024 |
| Other | 1,438 | 840 |
| Total non-operating income | 6,551 | 11,922 |
| Non-operating expenses: |  |  |
| Interest expense | 4,441 | 4,862 |
| Loss on foreign exchange, net | 1,311 | - |
| Other | 1,254 | 3,651 |
| Total non-operating expenses | 7,007 | 8,514 |
| Ordinary income | 32,075 | 89,525 |
| Extraordinary income: |  |  |
| Gain on sales of fixed assets | 1,312 | 914 |
| Gain on sale of affiliate stock | 39 | - |
| Other | 278 | 14 |
| Total extraordinary income | 1,630 | 928 |
| Extraordinary losses: |  |  |
| Impairment loss on fixed assets | 363 | 781 |
| Loss on sales of fixed assets | 79 | 79 |
| Loss on disposals of fixed assets | 1,203 | 698 |
| Other | 77 | 42 |
| Total extraordinary losses | 1,724 | 1,600 |
| Income before income taxes | 31,981 | 88,853 |
| Income taxes | 8,228 | 28,952 |
| Net income | 23,752 | 59,900 |
| Net income attributable to noncontrolling interests | 1,003 | 2,571 |
| Net income attributable to owners of the parent | 22,749 | 57,329 |

2) Consolidated Quarterly Statements of Comprehensive Income
(Unit: ¥Million)

|  | 2nd Quarter of FY2016 (From April 1, 2016 to September 30, 2016) | 2nd Quarter of FY2017 (From April 1, 2017 to September 30, 2017) |
| :---: | :---: | :---: |
| Net income | 23,752 | 59,900 |
| Other comprehensive income: |  |  |
| Unrealized gains (losses) on available-forsale securities | (577) | 1,131 |
| Deferred gains on hedging activities, net | 483 | 1,253 |
| Foreign currency translation adjustments | $(28,434)$ | $(1,247)$ |
| Defined retirement benefit plans | 696 | 593 |
| Share of other comprehensive income in equity method affiliates | $(15,578)$ | $(3,429)$ |
| Total other comprehensive income | $(43,410)$ | $(1,698)$ |
| Comprehensive income | $(19,657)$ | 58,202 |
| Comprehensive income attributable to: |  |  |
| Owners of the parent | $(16,909)$ | 56,026 |
| Noncontrolling interests | $(2,748)$ | 2,175 |

(3) Consolidated Quarterly Statements of Cash Flows

|  | (Unit: ¥Million) |  |
| :---: | :---: | :---: |
|  | 2nd Quarter of FY2016 (From April 1, 2016 to September 30, 2016) | 2nd Quarter of FY2017 (From April 1, 2017 to September 30, 2017) |
| Cash flows from operating activities: |  |  |
| Income before income taxes | 31,981 | 88,853 |
| Depreciation and amortization | 33,756 | 34,281 |
| Impairment loss on fixed assets | 363 | 781 |
| Amortization of goodwill | 560 | 501 |
| Increase (decrease) in liability for employees' retirement benefits | (234) | 629 |
| Increase (decrease) in reserve for repair work | 7,721 | 6,557 |
| Interest and dividend income | $(2,364)$ | $(3,845)$ |
| Interest expense | 4,441 | 4,862 |
| (Gain) loss on sales of fixed assets, net | $(1,232)$ | (834) |
| (Gain) loss on sale of affiliate stock | (39) | - |
| (Increase) decrease in notes and accounts receivable, trade | 11,708 | 16,209 |
| (Increase) decrease in inventories | $(22,076)$ | 7,838 |
| Increase (decrease) in notes and accounts payable, trade | 3,181 | $(39,478)$ |
| Increase (decrease) in accounts payable, other | $(9,675)$ | 39,956 |
| (Increase) decrease in accounts receivable, other | 2,176 | 5,340 |
| Other, net | $(23,072)$ | $(18,019)$ |
| Subtotal | 37,194 | 143,634 |
| Interest and dividends received | 3,028 | 8,821 |
| Interest paid | $(4,526)$ | $(4,819)$ |
| Income taxes paid | $(2,795)$ | $(11,310)$ |
| Net cash provided by (used in) operating activities | 32,901 | 136,325 |
| Cash flows from investing activities: |  |  |
| Purchases of tangible fixed assets | $(21,512)$ | $(27,210)$ |
| Proceeds from sales of tangible fixed assets | 2,494 | 2,006 |
| Purchases of intangible fixed assets | (980) | (595) |
| Purchases of investment securities | (350) | $(1,202)$ |
| Proceeds from sale of affiliate stock | 39 | - |
| Disbursements for long-term loans | $(10,412)$ | $(10,922)$ |
| Proceeds from collection of long-term loans receivable | 750 | 318 |
| (Increase) decrease in short-term loans receivable, net | 2,353 | (468) |
| Other, net | $(6,135)$ | $(3,300)$ |
| Net cash provided by (used in) investing activities | $(33,753)$ | $(41,376)$ |


|  | (Unit: ¥Million) |  |
| :---: | :---: | :---: |
|  | 2nd Quarter of FY2016 (From April 1, 2016 to September 30, 2016) | 2nd Quarter of FY2017 (From April 1, 2017 to September 30, 2017) |
| Cash flows from financing activities: |  |  |
| Increase (decrease) in short-term loans payable, net | $(41,267)$ | $(103,664)$ |
| Increase (decrease) in commercial paper, net | 61,999 | $(25,005)$ |
| Proceeds from long-term loans payable | 6,370 | 9,403 |
| Repayments of long-term loans payable | $(31,968)$ | $(19,512)$ |
| Redemption of bonds | - | $(10,000)$ |
| Proceeds from issuance of stock | - | 118,624 |
| Purchases of treasury stock | - | (0) |
| Cash dividends paid | $(3,998)$ | $(3,998)$ |
| Cash dividends paid to noncontrolling interests | $(2,516)$ | $(3,038)$ |
| Other, net | (239) | 59 |
| Net cash provided by (used in) financing activities | $(11,621)$ | $(37,132)$ |
| Effect of exchange rate change on cash and cash equivalents | $(9,524)$ | (626) |
| Net increase (decrease) in cash and cash equivalents | $(21,997)$ | 57,189 |
| Cash and cash equivalents at the beginning of period | 118,787 | 90,093 |
| Increase (decrease) in cash and cash equivalents resulting from change in scope of consolidation | - | 996 |
| Cash and cash equivalents at the end of period | 96,789 | 148,279 |

(4) Notes to the Consolidated Quarterly Financial Statements

1) Notes on the Assumption of a Going Concern

None

## 2) Notes on Significant Changes in Shareholders' Equity

Setting July 20, 2017 as the due date of payment, the Company made a public offering. As a result, each of capital and capital surplus increased by $¥ 59,744$ million during the first half of fiscal 2017, leaving capital and capital surplus at $¥ 168,351$ million and $¥ 130,875$ million respectively as of September 30, 2017.
3) Application of the Accounting Method Peculiar to the Preparation of the Quarterly Financial Statements

Income taxes are calculated by multiplying the income before income taxes for the six months ended September 30, 2017 by the estimated effective tax rate that is reasonably estimated for income before income taxes for the fiscal year that includes the current quarter.
However, if the calculation using the relevant estimated effective tax rate leads to significantly irrational results, income taxes are calculated by multiplying the quarterly income before income taxes by the effective statutory tax rate, after adjusting important differences that do not constitute temporary differences.
4) Consolidated Segment Information

Second Quarter of FY2016 (From April 1, 2016 to September 30, 2016)
(a) Net sales and income or loss by reportable segment

| (Unit: ¥Million) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Reportable segment |  |  |  | Others | Total | Reconciliation | Consolidated |
|  | Petroleum products | Petrochemical products | Resources | Total |  |  |  |  |
| Net sales: <br> Net sales to outside customers Inter-segment | $\begin{array}{\|r\|} 1,086,5985 \\ 3,518 \end{array}$ | $\begin{array}{r} 208,066 \\ 1,797 \end{array}$ | $\begin{array}{r} 104,768 \\ 0 \end{array}$ | $\begin{array}{r} 1,339,432 \\ 5,316 \end{array}$ | $\begin{array}{r} 26,908 \\ 126 \end{array}$ | $1,426,341$ $5,442$ | - $(5,442)$ | $1,426,341$ |
| Total | 1,090,116 | 209,864 | 104,768 | 1,404,749 | 27,034 | 1,431,784 | $(5,442)$ | 1,426,341 |
| Operating income | 13,467 | 16,879 | 2,315 | 32,662 | 1,591 | 34,253 | $(1,723)$ | 32,530 |

Notes:

1. The segment "Others" refers to the total of other business segments that are not included in the reportable segments, including engineering businesses, insurance businesses, electronic materials businesses, agricultural biotechnology businesses and renewable energy businesses.
2. The amount of reconciliation for the operating income mainly represents research and development costs, which do not belong to reportable segments.
3. The operating income of the reportable segments is reconciled to the amount of operating income in the consolidated quarterly statement of income.
(b) Impairment loss on fixed assets and goodwill by reportable segment

There is no significant item during the period.

## Second Quarter of FY2017 (From April 1, 2017 to September 30, 2017)

(a) Net sales and income or loss by reportable segment

|  | Reportable segment |  |  |  | Others | Total | Reconciliation | Consolidated |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Petroleum products | Petrochemical products | Resources | Total |  |  |  |  |
| Net sales: <br> Net sales to outside customers <br> Inter-segment | $\begin{array}{r} 1,293,970 \\ 3,157 \end{array}$ | $\begin{array}{r} 228,337 \\ 1,885 \end{array}$ | 143,526 <br> 472 | $1,665,834$ 5,515 | $\begin{array}{r} 31,548 \\ 198 \end{array}$ | $\begin{array}{r} 1,697,382 \\ 5,713 \end{array}$ | $(5,713)$ | 1,697,382 |
| Total | 1,297,127 | 230,222 | 143,999 | 1,671,349 | 31,746 | 1,703,096 | $(5,713)$ | 1,697,382 |
| Operating income | 31,160 | 20,642 | 32,830 | 84,633 | 3,133 | 87,766 | $(1,648)$ | 86,117 |

Notes:

1. The segment "Others" refers to the total of other business segments that are not included in the reportable segments, including Showa Shell Sekiyu K.K., engineering businesses, insurance businesses, electronic materials businesses, agricultural biotechnology businesses and renewable energy businesses.
2. The amount of reconciliation for the operating income mainly represents research and development costs, which do not belong to reportable segments.
3. The operating income of the reportable segments is reconciled to the amount of operating income in the consolidated quarterly statement of income.
4. Although not included in the calculation of the operating income of the reportable segments, equity in earnings of non-consolidated subsidiaries and affiliates is provided to and used by the Board of Directors on a regular basis. The equity in earnings of non-consolidated subsidiaries and affiliates of Showa Shell Sekiyu K.K. is included in the segment "Others".
(Petroleum products) $¥(1,213)$ million (Petrochemical products) $¥ 4,816$ million (Resources) $¥ 1,033$ million (Others) $¥ 2,510$ million (Reconciliation) $¥(123)$ million
(b) Impairment loss on fixed assets and goodwill by reportable segment

There is no significant item during the period.

