

Financial Performance (Consolidated)

Operating Results

Net Sales

Net sales totaled ¥212,469 million (US\$1,893 million), down ¥10,831 million, or 4.9% year on year. This was due to lower sales in the Steel and Energy Products Business, which contrasted with higher sales in the Industrial Machinery Products Business.

Operating Income

Operating income fell ¥2,082 million, or 14.4%, to ¥12,340 million (US\$109 million), and the operating income margin edged down 0.7 point, to 5.8%.

Loss Attributable to Owners of Parent

Loss attributable to owners of parent was ¥4,968 million (US\$44 million), compared with ¥16,600 million (US\$147 million) in the previous fiscal year. This equates to loss of ¥67.61 for the year on a per-share basis.

Sales by Region

The Japanese market accounted for sales of ¥103,575 million (US\$923 million), the Chinese market for ¥40,852 million (US\$364 million), with all other markets accounting for ¥68,041 million (US\$606 million).

Cash Flow

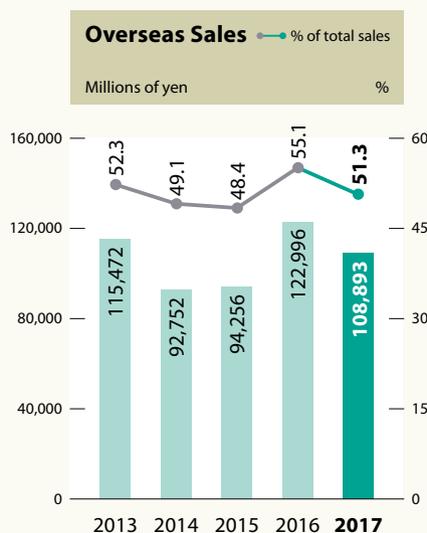
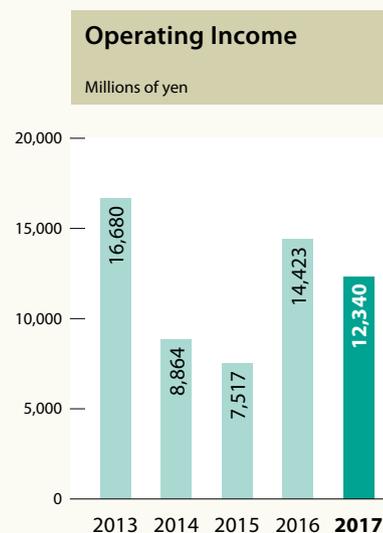
At year-end, cash and cash equivalents stood at ¥58,671 million (US\$522 million), down ¥2,787 million from a year earlier.

Cash Flow from Operating Activities

Net cash provided by operating activities amounted to ¥12,023 million, compared with ¥19,721 million in the previous year. This was mainly because depreciation and impairment loss exceeded the loss before income taxes.

Cash Flow from Investing Activities

Net cash used in investing activities totaled ¥13,580 million, compared with ¥12,135 million in the previous year. This was due mainly to the purchase of property, plant and equipment and intangible assets.

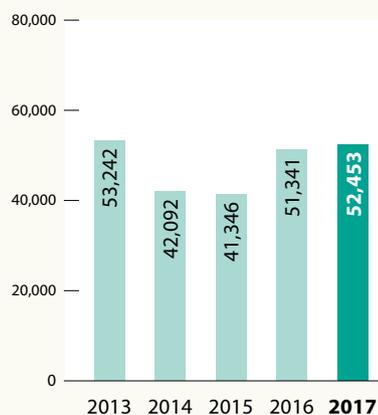


Cash Flow from Financing Activities

Net cash used in financing activities was ¥1,203 million, compared with net cash provided by financing activities of ¥4,788 million in the previous year. The main factors were cash dividends paid and repayments of finance lease obligations, which contrasted with an increase in proceeds from long-term loans payable.

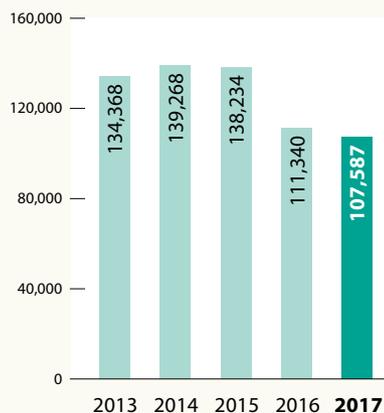
Interest-Bearing Debt

Millions of yen



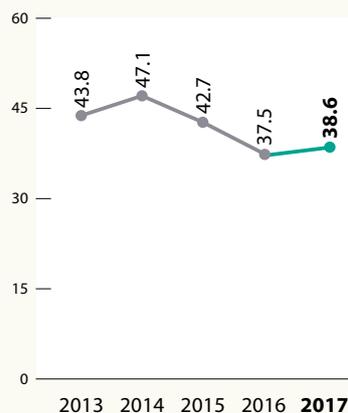
Net Assets

Millions of yen



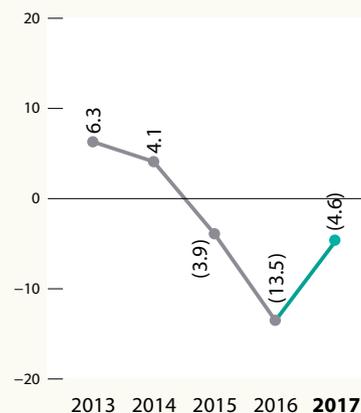
Equity Ratio

%



ROE

%



Financial Position

As of March 31, 2017, total assets amounted to ¥275,315 million (US\$2,454 million), down ¥17,823 million from a year earlier. This was due primarily to a decline in property, plant and equipment stemming from impairment treatment of fixed assets owned by the Murooran Plant, as well as decreases in cash and deposits, notes and accounts receivable, and other current assets.

Total liabilities stood at ¥167,727 million (US\$1,495 million), down ¥14,070 million from a year earlier. This was due mainly to a decrease in current liabilities, including advances received and provision for loss on the wind power generator business. Interest-bearing debt was ¥52,453 million (US\$467 million), up ¥1,112 million from a year earlier.

Net assets amounted to ¥107,587 million (US\$958 million), down ¥3,753 million. This was due mainly to a decline in retained earnings stemming from a loss attributable to owners of parent.

Consolidated Balance Sheet

March 31, 2017 and 2016

Assets	Millions of yen		Thousands of U.S. dollars (Note 4)
	2016	2017	2017
Current assets:			
Cash on hand and in banks (Notes 6, 16 and 18)	¥ 62,018	¥ 59,801	\$ 533,033
Notes and accounts receivable:			
Unconsolidated subsidiaries and affiliates	257	237	2,112
Trade (Note 18)	52,493	49,194	438,488
Other	286	292	2,603
Less allowance for doubtful accounts	(248)	(140)	(1,248)
Inventories (Note 5)	67,195	66,152	589,643
Deferred tax assets (Note 22)	7,120	6,473	57,697
Other current assets	6,451	4,555	40,601
Total current assets	195,574	186,565	1,662,938
Property, plant and equipment, at cost (Notes 8 and 9):			
Land	10,334	9,721	86,648
Buildings and structures	77,287	71,132	634,032
Machinery and equipment	134,348	133,623	1,191,042
Leased assets	3,206	2,863	25,519
Construction in progress	3,530	235	2,095
	228,707	217,577	1,939,362
Less accumulated depreciation	(179,991)	(185,343)	(1,652,046)
Property, plant and equipment, net	48,715	32,233	287,307
Intangible assets	1,676	1,655	14,752
Investments and other assets:			
Investments in unconsolidated subsidiaries and affiliates	1,002	1,002	8,931
Investment securities (Notes 18 and 19)	29,939	33,941	302,531
Long-term loans receivable	63	53	472
Retirement benefit asset (Note 21)	1,872	2,472	22,034
Deferred tax assets (Note 22)	12,157	15,041	134,067
Other assets	2,707	2,805	25,002
Less allowance for doubtful accounts	(573)	(455)	(4,056)
Total investments and other assets	47,171	54,860	488,992
Total assets	¥ 293,138	¥ 275,315	\$ 2,454,007

Liabilities and net assets	Millions of yen		Thousands of U.S. dollars (Note 4)
	2016	2017	2017
Current liabilities:			
Short-term borrowings (Notes 11 and 18)	¥ 12,569	¥ 11,908	\$ 106,141
Current portion of long-term debt (Notes 11 and 18)	940	4,789	42,687
Notes and accounts payable:			
Unconsolidated subsidiaries and affiliates	107	153	1,364
Trade (Note 18)	53,727	47,590	424,191
Other	1,461	1,348	12,015
Advances received for products	18,984	17,004	151,564
Accrued income taxes (Note 22)	1,456	866	7,719
Provision for loss on wind power generator business	8,687	4,655	41,492
Other current liabilities	20,540	20,072	178,911
Total current liabilities	118,475	108,390	966,129
Long-term liabilities:			
Long-term debt (Notes 11 and 18)	37,831	35,755	318,700
Accrued retirement benefits			
For directors and audit & supervisory board members	108	115	1,025
Retirement benefit liability (Note 21)	11,315	10,620	94,661
Deferred tax liabilities (Note 22)	230	175	1,560
Other long-term liabilities	13,836	12,671	112,942
Total long-term liabilities	63,322	59,337	528,897
Net assets:			
Shareholders' equity (Note 15)			
Common stock:			
Authorized — 200,000,000 shares			
Issued — 74,292,607 shares	19,694	19,694	175,541
Capital surplus	5,467	5,467	48,730
Retained earnings	84,554	77,748	693,003
Treasury stock, at cost (801,480 shares in 2017 and 3,995,515 shares in 2016)	(2,302)	(2,308)	(20,572)
Total shareholders' equity	107,413	100,601	896,702
Accumulated other comprehensive income:			
Unrealized holding gain (loss) on securities	3,830	6,381	56,877
Unrealized gain (loss) from hedging instruments	337	(301)	(2,683)
Translation adjustments	51	(170)	(1,515)
Remeasurement of retirement benefit plans	(1,609)	(211)	(1,881)
Total accumulated other comprehensive income	2,609	5,698	50,789
Non-controlling interests	1,318	1,287	11,472
Total net assets	111,340	107,587	958,971
Total liabilities and net assets	¥293,138	¥275,315	\$2,454,007

See notes to consolidated financial statements.

The Japan Steel Works, Ltd. and Consolidated Subsidiaries

Consolidated Statement of Income

For the years ended March 31, 2017 and 2016

	Millions of yen		Thousands of U.S. dollars (Note 4)
	2016	2017	2017
Net sales	¥223,301	¥212,469	\$1,893,832
Cost of sales (Note 12)	179,197	170,695	1,521,481
Gross profit	44,103	41,773	372,342
Selling, general and administrative expenses (Note 12)	29,680	29,432	262,341
Operating income	14,423	12,340	109,992
Other income (expenses):			
Interest and dividend income	772	653	5,820
Interest expense	(345)	(273)	(2,433)
Impairment loss (Note 9)	(35,447)	(17,874)	(159,319)
Other, net (Note 13)	(1,451)	(687)	(6,124)
	(36,472)	(18,181)	(162,055)
Loss before income taxes	(22,049)	(5,841)	(52,063)
Income taxes (Note 22):			
Current	3,357	2,819	25,127
Deferred	(8,996)	(3,706)	(33,033)
Loss (Note 28)	(16,409)	(4,954)	(44,157)
Profit attributable to non-controlling interests	191	14	125
Loss attributable to shareholders of The Japan Steel Works, Ltd.	¥ (16,600)	¥ (4,968)	\$ (44,282)

See notes to consolidated financial statements.

The Japan Steel Works, Ltd. and Consolidated Subsidiaries

Consolidated Statement of Comprehensive Income

For the years ended March 31, 2017 and 2016

	Millions of yen		Thousands of U.S. dollars (Note 4)
	2016	2017	2017
Loss	¥(16,409)	¥(4,954)	\$(44,157)
Other comprehensive income:			
Unrealized holding gain (loss) on securities	(5,364)	2,551	22,738
Unrealized gain (loss) from hedging instruments	531	(638)	(5,687)
Translation adjustments	(229)	(251)	(2,237)
Remeasurement of retirement benefit plans	(1,231)	1,398	12,461
Total other comprehensive income (Note 14)	(6,294)	3,059	27,266
Comprehensive income	¥(22,703)	¥(1,894)	\$(16,882)
Total comprehensive income attributable to:			
Shareholders of The Japan Steel Works, Ltd.	¥(22,831)	¥(1,879)	\$(16,748)
Non-controlling interests	¥ 127	¥ (14)	\$ (125)

See notes to consolidated financial statements.

The Japan Steel Works, Ltd. and Consolidated Subsidiaries

Consolidated Statement of Changes in Net Assets

For the years ended March 31, 2017 and 2016

Millions of yen

	Shareholders' equity					Accumulated other comprehensive income						Total net assets
	Common stock	Capital surplus	Retained earnings	Treasury stock (Note 15)	Total shareholders' equity	Unrealized holding gain (loss) on securities	Unrealized gain (loss) from hedging instruments	Translation adjustments	Remeasurement benefit plans adjustments (Note 21)	Total accumulated other comprehensive income	Non-controlling interest	
Balance at April 1, 2015	¥19,694	¥5,425	¥103,330	¥ (731)	¥127,718	¥ 9,195	¥(194)	¥ 239	¥ (399)	¥ 8,839	¥1,676	¥138,234
Changes during the year												
Cash dividends paid			(1,653)		(1,653)							(1,653)
Loss attributable to shareholders of The Japan Steel Works, Ltd.			(16,600)		(16,600)							(16,600)
Purchase of shares of consolidated subsidiaries		45			45							45
Purchases of treasury stock				(2,940)	(2,940)							(2,940)
Disposal of treasury stock		(525)		1,368	842							842
Transfer of loss on disposal of treasury shares		521	(521)									
Net changes in items other than those in shareholders' equity						(5,364)	531	(187)	(1,210)	(6,230)	(358)	(6,588)
Total changes during the year	—	41	(18,775)	(1,571)	(20,305)	(5,364)	531	(187)	(1,210)	(6,230)	(358)	(26,894)
Balance at March 31, 2016	¥19,694	¥5,467	¥ 84,554	¥(2,302)	¥107,413	¥ 3,830	¥ 337	¥ 51	¥(1,609)	¥ 2,609	¥1,318	¥111,340
Balance at April 1, 2016	¥19,694	¥5,467	¥ 84,554	¥(2,302)	¥107,413	¥ 3,830	¥ 337	¥ 51	¥(1,609)	¥ 2,609	¥1,318	¥111,340
Changes during the year												
Cash dividends paid			(1,837)		(1,837)							(1,837)
Loss attributable to shareholders of The Japan Steel Works, Ltd.			(4,968)		(4,968)							(4,968)
Purchase of shares of consolidated subsidiaries												
Purchases of treasury stock				(5)	(5)							(5)
Disposal of treasury stock		(0)		0	0							0
Transfer of loss on disposal of treasury shares		0	(0)									
Net changes in items other than those in shareholders' equity						2,551	(638)	(222)	1,398	3,089	(31)	3,058
Total changes during the year	—	—	(6,806)	(5)	(6,811)	2,551	(638)	(222)	1,398	3,089	(31)	(3,753)
Balance at March 31, 2017	¥19,694	¥5,467	¥ 77,748	¥(2,308)	¥100,601	¥ 6,381	¥(301)	¥(170)	¥ (211)	¥ 5,698	¥1,287	¥107,587

Thousands of U.S. dollars (Note 4)

	Shareholders' equity					Accumulated other comprehensive income						Total net assets
	Common stock	Capital surplus	Retained earnings	Treasury stock (Note 15)	Total shareholders' equity	Unrealized holding gain (loss) on securities	Unrealized gain (loss) from hedging instruments	Translation adjustments	Remeasurement benefit plans adjustments (Note 21)	Total accumulated other comprehensive income	Non-controlling interest	
Balance at April 1, 2016	\$175,541	\$48,730	\$753,668	\$(20,519)	\$957,420	\$34,139	\$ 3,004	\$ 455	\$(14,342)	\$23,255	\$11,748	\$992,424
Changes during the year												
Cash dividends paid			(16,374)		(16,374)							(16,374)
Loss attributable to shareholders of The Japan Steel Works, Ltd.			(44,282)		(44,282)							(44,282)
Purchase of shares of consolidated subsidiaries												
Purchases of treasury stock				(45)	(45)							(45)
Disposal of treasury stock		(0)		0	0							0
Transfer of loss on disposal of treasury shares		0	(0)									
Net changes in items other than those in shareholders' equity						22,738	(5,687)	(1,979)	12,461	27,534	(276)	27,257
Total changes during the year	—	—	(60,665)	(45)	(60,710)	22,738	(5,687)	(1,979)	12,461	27,534	(276)	(33,452)
Balance at March 31, 2017	\$175,541	\$48,730	\$693,003	\$(20,572)	\$896,702	\$56,877	\$(2,683)	\$(1,515)	\$ (1,881)	\$50,789	\$11,472	\$958,971

See notes to consolidated financial statements.

The Japan Steel Works, Ltd. and Consolidated Subsidiaries

Consolidated Statement of Cash Flows

For the years ended March 31, 2017 and 2016

	Millions of yen		Thousands of U.S. dollars (Note 3)
	2016	2017	2017
Operating activities			
Loss before income taxes	¥(22,049)	¥ (5,841)	\$ (52,063)
Depreciation and amortization	10,843	8,058	71,825
Impairment loss	35,447	17,874	159,319
Interest and dividend income	(772)	(653)	(5,820)
Interest expense	345	273	2,433
Equity in losses of affiliates	0	0	0
Gain on sales of property, plant and equipment and intangible assets	(112)	(78)	(695)
Loss on disposal of tangible and intangible assets	892	150	1,337
Gain on sales of investment securities	(54)	—	—
Decrease in provision for loss on wind power generator business	(4,515)	(4,032)	(35,939)
Changes in operating assets and liabilities:			
Trade assets (Note 18)	(11,637)	(122)	(1,087)
Trade liabilities	11,557	(2,987)	(26,624)
Inventories (Note 5)	2,363	1,022	9,110
Other	122	1,393	12,416
Subtotal	22,431	15,056	134,201
Interest and dividends received	771	660	5,883
Interest paid	(336)	(273)	(2,433)
Income taxes paid	(3,144)	(3,420)	(30,484)
Net cash provided by operating activities	19,721	12,023	107,166
Investing activities			
Investments into time deposits	(964)	(1,001)	(8,922)
Proceeds from withdrawal of time deposits	757	545	4,858
Increase in tangible and intangible assets	(9,976)	(13,348)	(118,977)
Decrease in tangible and intangible assets	322	131	1,168
Proceeds from sale of investment securities	839	0	0
Purchases of investment securities	(11)	(345)	(3,075)
Reimbursement of long-term deposits on contracts	(378)	(67)	(597)
Decrease in short-term loans receivable	0	0	0
Collection of long-term loans receivable	14	10	89
Payments for transfer of business	(531)	—	—
Purchase of investments in subsidiaries	(2,293)	—	—
Other	87	494	4,403
Net cash used in investing activities	(12,135)	(13,580)	(121,045)
Financing activities (Notes 11 and 18)			
Net increase (decrease) in short-term borrowings	313	(660)	(5,883)
Increase in long-term debt	30,900	2,308	20,572
Decrease in long-term debt	(11,105)	(320)	(2,852)
Redemption of bonds	(10,000)	—	—
Cash dividends paid	(1,653)	(1,837)	(16,374)
Acquisition of treasury stock	(2,940)	(5)	(45)
Repayments of finance lease obligations	(724)	(673)	(5,999)
Other	(1)	(16)	(143)
Net cash provided by (used in) financing activities	4,788	(1,203)	(10,723)
Effect of exchange rate changes on cash and cash equivalents	(68)	(26)	(232)
(Decrease) increase in cash and cash equivalents	12,306	(2,787)	(24,842)
Cash and cash equivalents at beginning of the year	49,152	61,458	547,803
Cash and cash equivalents at end of the year (Notes 16 and 18)	¥ 61,458	¥ 58,671	\$ 522,961

The accompanying notes are an integral part of these statements.

Notes to Consolidated Financial Statements

1. Basis of Presentation

The Japan Steel Works, Ltd. (the "Company") and its domestic subsidiaries maintain their books of account in conformity with the financial accounting standards of Japan, and its foreign subsidiaries maintain their books of account in conformity with those of their respective countries of domicile.

The accompanying consolidated financial statements have been prepared in accordance with accounting principles generally accepted in Japan, which are different in certain respects as to the application and disclosure requirements of IFRS, and have been compiled from the consolidated financial statements prepared by the Company as required by the Financial Instruments and Exchange Law of Japan.

As permitted by the Financial Instruments and Exchange Law of Japan, amounts of less than one million yen have been omitted. As a result, the totals shown in the accompanying consolidated financial statements (both in yen and in U.S. dollars) do not necessarily agree with the sums of the individual amounts.

Certain amounts in the prior year's consolidated financial statements have been reclassified to conform to the current year's presentation.

2. Summary of Significant Accounting Policies

(a) Principles of consolidation and accounting for investments in unconsolidated subsidiaries and affiliates

The accompanying consolidated financial statements include the accounts of the Company and any significant companies controlled directly or indirectly by the Company.

Companies over which the Company exercises significant influence in terms of their operating and financial policies have been accounted for by the equity method. All significant intercompany balances and transactions have been eliminated in consolidation.

As of March 31, 2017, the numbers of consolidated subsidiaries, and subsidiaries and affiliates accounted for by the equity method were 32 and 1 (32 and 1 in 2016), respectively.

Certain foreign subsidiaries are consolidated on the basis of fiscal periods ended December 31, which differ from that of the Company. However, the necessary adjustments have been made if the effect of the difference is material.

Investments in subsidiaries and affiliates which are neither consolidated nor accounted for by the equity method are carried at cost or less. Where there has been a permanent decline in the value of such investments, the Company has written them down.

Differences between the cost and the underlying net equity at fair value of investments in consolidated subsidiaries and in companies accounted for by the equity method have been amortized by the straight-line method over five years after acquisition and are included in selling, general and administrative expenses.

(b) Foreign currency translation

The balance sheet accounts of the foreign consolidated subsidiaries are translated into yen at the rates of exchange in effect at the balance sheet date, except for the components of net assets excluding Non-controlling interests which are translated at their

historical exchange rates. Revenue and expense accounts are translated at the average rates of exchange in effect during the year. Differences arising from the translation are presented as translation adjustments and Non-controlling interests in the consolidated financial statements.

Revenue and expense items arising from transactions denominated in foreign currencies are generally translated into yen at the rates of exchange in effect at the respective transaction dates.

All monetary assets and liabilities denominated in foreign currencies are translated into yen at the rates of exchange in effect at the balance sheet date and differences arising from the translation are included in the consolidated statements of income.

(c) Cash equivalents

Short-term investments with a maturity of three months or less when purchased which can easily be converted to cash and are subject to little risk of change in value are considered to be cash equivalents.

(d) Inventories

Real estate held for sale, finished products and work in process are stated at the lower of cost or net realizable value determined principally by the specific identification method. Raw materials are stated at the lower of cost or replacement cost determined principally by the moving average method.

(e) Investment securities

Marketable securities classified as other securities are carried at fair value with changes in unrealized holding gain or loss, net of the applicable income taxes, included directly in net assets. Non-marketable securities classified as other securities are carried at cost. Cost of securities sold is determined by the moving average method.

(f) Allowance for doubtful accounts

The allowance for doubtful accounts is provided for possible bad debts at an amount estimated based on the historical experience with bad debts on normal receivables plus an additional allowance for specific uncollectible amounts determined by reference to the collectability of individual doubtful accounts.

(g) Provision for warranties for completed construction

The Company provides a provision for warranties for completed construction by estimating losses on possible future claims.

(h) Provision for loss on construction contracts

The Company provides a provision for loss on construction contracts, which has not been delivered by the fiscal year end, by estimating the amount of total losses anticipated in the following fiscal year and thereafter to be incurred, when the amounts can be reasonably estimated.

(i) Provision for loss on wind power generator business

The Company provides a provision for loss on wind power generator business by estimating the amount of total losses caused by the defects of certain parts used in wind power generators.

(j) Property, plant and equipment and depreciation

Depreciation of property, plant and equipment is calculated by the declining-balance method based on the estimated useful lives and the residual value determined by the Company, except for certain buildings which are depreciated by the straight-line method.

Significant renewals and additions are capitalized at cost. Maintenance and repairs are charged to profit. The estimate useful lives of the assets are as follows:

Buildings and structures:	6 to 65 years
Machinery, equipment and vehicles:	3 to 20 years

(k) Leases and depreciation

Finance lease transactions which do not stipulate the transfer of ownership of the leased assets to the lessee are accounted for as purchase and sales transactions.

With regard to the depreciation method of leased assets, the straight-line method is applied using the lease period as the estimated useful life and a residual value of zero.

(l) Retirement benefit

The retirement benefit obligation for employees is attributed to each period by the benefit formula method.

Prior service cost is being amortized as incurred by the straight-line method over ten years, which is shorter than the average remaining years of service of the eligible employees.

Actuarial gain or loss is amortized in the year following the year in which the gain or loss is recognized by the straight-line method over ten years, which is shorter than the average remaining years of service of the employees participating in the plans.

Certain subsidiaries use a simplified method in the calculation of their retirement benefit obligation.

(m) Income taxes

Deferred tax assets and liabilities have been recognized in the consolidated balance sheets with respect to the differences between financial reporting and the tax bases of the assets and liabilities, and are measured using the enacted tax rates and laws which will be in effect when the differences are expected to reverse.

(n) Research and development expenses

Research and development expenses are charged to income when incurred.

(o) Revenue and cost recognition

Revenues on sales of products are generally recognized at the time of shipment.

Revenues and costs, of which the percentage of completion can be reliably estimated, are recognized by the percentage-of-completion method. The percentage of completion is calculated at the cost incurred as a percentage of the estimated total cost. The completed-contract method is applied to contracts for which the percentage of completion cannot be reliably estimated.

(p) Derivative financial instruments

Derivative financial instruments are carried at fair value. Gain or loss on derivatives designated as hedging instruments is deferred as a component of net assets until the loss or gain on the underlying hedged items is recognized. Foreign currency receivables and payables are translated at the applicable forward foreign exchange rates when certain conditions are met. In addition, the related interest differential paid or received under interest-rate swaps utilized as hedging instruments is recognized over the terms of the swap agreements as an adjustment to the interest expense of the underlying hedged items when certain conditions are met.

(q) Consumption tax

Accounting treatment of consumption tax is the tax exclusion method.

(r) Provision for directors' bonuses

Provision for directors' bonuses is provided based on estimated amounts to be paid in the subsequent period that are applicable to the current period.

(s) Provision for directors' retirement benefits

Provision for directors' retirement benefits is provided based on estimated amounts determined by internal rules.

(t) Accounting changes

The Company's domestic consolidated subsidiaries adopted "Practical Solution on a change in depreciation method due to Tax Reform 2016" (ASBJ PITF No.32, June 17, 2016) as a result of revisions to the Corporate Tax Act of Japan. Accordingly, the depreciation method for both facilities attached to buildings and other non-building structures acquired on or after April 1, 2016 was changed from the declining-balance method to the straight-line method. The effect of this adoption on the accompanying consolidated financial statements for the year ended March 31, 2017 is immaterial.

3. Additional Information

The Company and its domestic consolidated subsidiaries adopted "Revised Implementation Guidance on Recoverability of Deferred Tax Assets" (ASBJ Guidance No. 26 of Mar 28, 2016) effective from April 1, 2016.

4. U.S. Dollar Amounts

The translation of yen amounts into U.S. dollars is included solely for convenience, as a matter of arithmetic computation only, at ¥112.19 = U.S.\$1.00, the approximate rate of exchange prevailing on March 31, 2017. This translation should not be construed as a representation that all amounts shown could be converted into U.S. dollars at such rate.

5. Inventories

Inventories at March 31, 2017 and 2016 consisted of the following:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Real estate held for sale	¥ 283	¥ 278	\$ 2,478
Finished products	1,703	2,080	18,540
Work in process	58,878	58,037	517,310
Raw materials and supplies	6,328	5,755	51,297
Total	¥67,195	¥66,152	\$589,643

Work in process related to construction contracts of which a loss is anticipated to be incurred was offset with a provision for loss on construction contracts of ¥191 million (\$1,702 thousand) at March 31, 2017 and ¥172 million at March 31, 2016.

6. Assets pledged as collateral

The assets pledged as collateral for issuance of Performance Bond at March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Time deposit	—	¥96	\$856

Note: The assets pledged as collateral were no corresponding obligations at March 31, 2017.

7. Depreciation

Depreciation expense on property, plant and equipment for the years ended March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Depreciation expense	¥10,669	¥7,858	\$70,042

8. Advanced Depreciation

Accumulated advanced depreciation related to government grants received has been deducted directly from the acquisition costs of certain tangible fixed assets (plant, machinery and equipment). Such accumulated advanced depreciation at March 31, 2017 and 2016 are summarized as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Accumulated advanced depreciation expense	¥1,283	¥1,298	\$11,570

9. Impairment Loss

Current fiscal year (From April 1, 2016 to March 31, 2017)

The Group recorded an impairment loss on the following groups of assets in the current fiscal year:

Use	Asset type	Location
Steel and Energy Products: Business assets	Buildings, structures, machinery and equipment, land, construction in progress, etc.	Muroran, Hokkaido
Steel and Energy Products: Business assets at investee subsidiary	Buildings, structures, machinery and equipment, land, etc.	Muroran, Hokkaido and Guangdong, China

(1) Grouping of assets

The Company and its consolidated subsidiaries (hereinafter collectively known as the "Group") determine whether to recognize an impairment loss and measures the loss by grouping assets based on the smallest units used in management accounting that generate cash flows which are largely independent and whose revenue and expenditures are identified on an ongoing basis.

However, the Group determines whether to recognize impairment and measures the impairment on an individual asset basis if the asset is idle and not expected to be used in the future.

(2) Circumstances that led to the recognition of the impairment loss

Carrying amounts of non-current assets were reduced to recoverable amounts and the reduced amounts were recognized in extraordinary losses as impairment loss because investment amounts were no longer expected to be recovered due to a decrease in profitability.

Breakdown of the impairment loss is as follows:

	¥ 8,882 million	\$ 79,169 thousand
Buildings and structures		
Machinery, equipment and vehicles	6,761	60,264
Tools, furniture and fixtures	352	3,138
Land	576	5,134
Leased assets (property, plant and equipment)	336	2,995
Construction in progress	898	8,004
Leased assets (intangible assets)	8	71
Other (intangible assets)	57	508
Total	¥17,874	\$159,319

(3) Calculation method for recoverable amounts

Recoverable amounts of the groups of assets are calculated at value in use. It is evaluated by memorandum value.

Prior fiscal year (From April 1, 2015 to March 31, 2016)

The Group recorded an impairment loss on the following groups of assets in the prior fiscal year:

Use	Asset type	Location
Steel and Energy Products: Business assets	Buildings, structures, machinery and equipment, land, construction in progress, etc.	Muroran, Hokkaido
Steel and Energy Products: Business assets at investee subsidiary	Machinery and equipment, etc.	Muroran, Hokkaido and Guangdong, China

(1) Grouping of assets

The Company and its consolidated subsidiaries (hereinafter collectively known as the "Group") determine whether to recognize an impairment loss and measures the loss by grouping assets based on the smallest units used in management accounting that generate cash flows which are largely independent and whose revenue and expenditures are identified on an ongoing basis.

However, the Group determines whether to recognize impairment and measures the impairment on an individual asset basis if the asset is idle and not expected to be used in the future.

(2) Circumstances that led to the recognition of the impairment loss

Carrying amounts of non-current assets were reduced to recoverable amounts and the reduced amounts were recognized in extraordinary losses as impairment loss because investment amounts were no longer expected to be recovered due to a decrease in profitability.

Breakdown of the impairment loss is as follows:

Buildings and structures	¥19,744 million
Machinery, equipment and vehicles	10,764
Tools, furniture and fixtures	401
Land	770
Leased assets (property, plant and equipment)	232
Construction in progress	3,439
Leased assets (intangible assets)	16
Other (intangible assets)	79
Total	¥35,447

(3) Calculation method for recoverable amounts

Recoverable amounts of the groups of assets are calculated at value in use. Future cash flows are discounted at 7.52%.

10. Contingent Liabilities

Contingent liabilities at March 31, 2017 and 2016 consisted of the following:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
As endorsers of trade notes receivable:			
Endorsed to other	¥ 75	¥ 87	\$ 775
As guarantors of loans:			
Muroran Environmental Plant Service Co., Ltd.	421	358	3,191
Obligation to guarantee uncollected receivables of leasing companies	62	42	374
Gotsu Wind Power Co., Ltd	1,107	978	8,717
Employees and other	50	25	223

11. Short-Term Borrowings and Long-Term Debt

All short-term borrowings, with interest at annual rates ranging from 0.3073% to 1.4750% at March 31, 2017 and 0.3490% to 1.4750% at March 31, 2016, were unsecured.

Long-term debt at March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Loans from banks and insurance companies with interest at annual rates ranging from 0.0030% to 1.0960%	¥37,127	¥39,116	\$348,659
Less those maturing within one year	(320)	(4,215)	(37,570)
Lease obligations	1,644	1,428	12,728
Less those maturing within one year	(620)	(574)	(5,116)
Long-term indebtedness reflected in the consolidated balance sheets	¥37,831	¥35,755	\$318,700

The aggregate annual maturities of long-term debt and lease obligations subsequent to March 31, 2017 are summarized as follows:

Year ending March 31,	Thousands of		Thousands of	
	Millions of yen	U.S. dollars	Millions of yen	U.S. dollars
	Long-term loans		Lease obligations	
2018	¥ 4,215	\$ 37,570	¥574	\$5,116
2019	132	1,177	400	3,565
2020	60	535	274	2,442
2021	5,000	44,567	131	1,168
2022	1,800	16,044	40	357
2023 and thereafter	27,908	248,757	7	62

12. Research and Development Expenses

Research and development expenses included in manufacturing costs, and selling, general and administrative expenses for the years ended March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of
	2016	2017	U.S. dollars
Research and development expenses	¥4,292	¥4,237	\$37,766

13. Other Income (Expenses)—Other, Net

The details of "Other, net" in "Other income (expenses)" for the years ended March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of
	2016	2017	U.S. dollars
Foreign exchange loss	¥ (205)	¥ (91)	\$ (811)
Equity in losses of affiliates	(0)	(0)	(0)
Gain on sales of property, plant and equipment	117	93	829
Gain on sales of investment securities	126	—	—
Compensation expenses	(23)	(272)	(2,424)
Loss on sales or disposal of property, plant and equipment	(892)	(150)	(1,337)
Other, net	(573)	(266)	(2,371)
Total	¥(1,451)	¥(687)	\$ (6,124)

14. Other Comprehensive Income

The following table presents reclassification adjustments and tax effects allocated to each component of other comprehensive income for the years ended March 31, 2017 and 2016:

	Millions of yen		Thousands of
	2016	2017	U.S. dollars
Unrealized holding gain (loss) on securities:			
Amount arising during the year	¥(8,031)	¥ 3,655	\$32,579
Reclassification adjustments for gains and losses realized in net income	6	—	—
The amount of unrealized holding gain (loss) on securities before tax effect	(8,024)	3,655	32,579
Tax effect	2,660	(1,104)	(9,840)
Unrealized holding gain (loss) on securities	(5,364)	2,551	22,738
Unrealized gain (loss) from hedging instruments:			
Amount arising during the year	774	(921)	(8,209)
Tax effect	(242)	282	2,514
Unrealized gain (loss) from hedging instruments	531	(638)	(5,687)
Translation adjustments:			
Amount arising during the year	(229)	(251)	(2,237)
Translation adjustments	(229)	(251)	(2,237)
Remeasurement benefits plans adjustments:			
Amount arising during the year	(2,122)	1,023	9,118
Reclassification adjustments for gains and losses realized in net income	381	1,004	8,949
The amount of unrealized holding gain (loss) on securities before tax effect	(1,741)	2,028	18,076
Tax effect	509	(629)	(5,607)
Remeasurement benefits plans adjustments	(1,231)	1,398	12,461
Total other comprehensive income	¥(6,294)	¥ 3,059	\$27,266

15. Supplementary Information for Consolidated Statement of Changes in Net Assets

Year ended March 31, 2017

(a) Information regarding the number and type of shares issued and treasury stock:

	Number of shares			
	Year ended March 31, 2016	Increase during the year	Decrease during the year	Year ended March 31, 2017
Shares issued: Common stock	371,463,036	—	297,170,429	74,292,607
Treasury stock: Common stock (Note 1 and 2)	3,995,515	5,589	3,199,624	801,480

Notes: 1. Decrease of 297,170,429 ordinary shares held in shares was attributable to carry out the share consolidation at the ratio of 5 shares to 1 share effective, October 1, 2016.
2. Increase of 5,589 ordinary shares held in treasury was attributable to purchase of less than one share unit.
3. Decrease of 3,199,508 ordinary shares held in treasury was attributable to carry out the share consolidation at the ratio of 5 shares to 1 share effective, October 1, 2016, and sale of 116 shares resulting from the sale of shares to shareholders at their request.

(b) Dividends

(i) Dividends paid to shareholders

- ① Resolution: Annual general meeting of shareholders held on June 24, 2016
Type of shares: Common stock
Total amount of dividends: ¥918 million (\$8,183 thousand)
Dividends per share: ¥2.5 (\$0.022)
Cut-off date: March 31, 2016
Effective date: June 27, 2016
- ② Resolution: Meeting of Board of Directors held on November 7, 2016
Type of shares: Common stock
Total amount of dividends: ¥918 million (\$8,183 thousand)
Dividends per share: ¥2.5 (\$0.022)
Cut-off date: September 30, 2016
Effective date: December 7, 2016

- (ii) Dividends of which the cut-off date was in the year ended March 31, 2016, but the effective date is in the following fiscal year

Resolution: Annual general meeting of shareholders held on June 27, 2017
Type of shares: Common stock
Total amount of dividends: ¥918 million (\$8,183 thousand)
Dividends per share: ¥12.5 (\$0.111)
Cut-off date: March 31, 2017
Effective date: June 28, 2017
Source of dividends: Retained earnings

Note: The Company carried out the share consolidation at the ratio of 5 shares to 1 share effective October 1, 2016. In accordance with this, cash dividends per share of which record date is March 31, 2017 is based on the share consolidation.

Year ended March 31, 2016

(a) Information regarding the number and type of shares issued and treasury stock:

	Number of shares			
	Year ended March 31, 2015	Increase during the year	Decrease during the year	Year ended March 31, 2016
Shares issued: Common stock	371,463,036	—	—	371,463,036
Treasury stock: Common stock (Note 1 and 2)	1,192,297	5,177,789	2,374,571	3,995,515

Notes: 1. Increase of 5,177,789 ordinary shares held in treasury was attributable to purchase of 5,173,000 shares under a resolution approved at the Board of Directors meeting on May 26, 2015, purchase of 4,782 shares that was less than one share unit, and acquisition of 7 shares resulting from fractional shares arising from an exchange of shares in making Meiki Co.,Ltd. a wholly owned subsidiary of the Company.
2. Decrease of 2,374,571 ordinary shares held in treasury attributable to the distribution of 2,373,831 treasury shares resulting from the exchange of shares for making Meiki Co.,Ltd. a wholly owned subsidiary of the Company, and sale of 740 shares resulting from the sale of shares to shareholders at their request.

(b) Dividends

(i) Dividends paid to shareholders

- ① Resolution: Annual general meeting of shareholders held on June 24, 2015
Type of shares: Common stock
Total amount of dividends: ¥740 million
Dividends per share: ¥2
Cut-off date: March 31, 2015
Effective date: June 25, 2015
- ② Resolution: Meeting of Board of Directors held on November 2, 2015
Type of shares: Common stock
Total amount of dividends: ¥912 million
Dividends per share: ¥2.5
Cut-off date: September 30, 2015
Effective date: December 3, 2015

(ii) Dividends of which the cut-off date was in the year ended March 31, 2016, but the effective date is in the following fiscal year

- Resolution: Annual general meeting of shareholders held on June 24, 2016
Type of shares: Common stock
Total amount of dividends: ¥918 million
Dividends per share: ¥2.5
Cut-off date: March 31, 2016
Effective date: June 27, 2016
Source of dividends: Retained earnings

16. Cash Flow Information

(a) Cash and cash equivalents

The reconciliation between cash and cash equivalents in the accompanying consolidated statements of cash flows and cash on hand and in banks in the accompanying consolidated balance sheets at March 31, 2017 and 2016 are summarized as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Cash on hand and in banks in the consolidated balance sheet	¥62,018	¥59,801	\$533,033
Other current assets	322	189	1,685
Time deposits with maturities of more than three months	(881)	(1,320)	(11,766)
Cash and cash equivalents in the consolidated statement of cash flows	¥61,458	¥58,671	\$522,961

(b) Significant transactions without cash flows

Assets and liabilities corresponding to finance lease transactions that have been recorded by the Company and its domestic consolidated subsidiaries at March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Lease assets	¥581	¥438	\$3,904
Lease obligations	631	465	4,145

17. Leases

Year ended March 31, 2017

Future minimum lease payments subsequent to March 31, 2017 under non-cancelable operating leases are summarized as follows:

Year ending March 31,	Millions of yen	Thousands of U.S. dollars
2018	¥132	\$1,177
2019 and thereafter	195	1,738
Total	¥327	\$2,915

Year ended March 31, 2016

Future minimum lease payments subsequent to March 31, 2016 under non-cancelable operating leases are summarized as follows:

Year ending March 31,	Millions of yen
2017	¥186
2018 and thereafter	284
Total	¥470

18. Financial Instruments

Overview

(a) Policy for financial instruments

In consideration of plans for operations and capital investment, the Company and its consolidated subsidiaries (collectively, the "Group") utilize funds provided by operating cash flows first. The Group uses bond issuances and bank borrowings in order to raise additional funds, if needed. The Company manages temporary cash surpluses through low-risk financial assets. The Company uses derivatives for the purpose of reducing risks and does not enter into derivative contracts for speculative or trading purposes.

(b) Types of financial instruments and related risk

Trade receivables – trade notes and accounts receivable – are exposed to credit risk in relation to customers. In addition, the Company is exposed to foreign currency exchange risk arising from receivables denominated in foreign currencies. The foreign currency exchange risks deriving from the trade receivables denominated in foreign currencies are hedged by forward foreign exchange contracts, if needed.

Investment securities are exposed to market risk. These securities are mainly composed of the shares of common stock of companies with which the Company has business relationships.

Trade payables – trade notes and accounts payable – have payment due dates within one year. Since the Company is exposed to foreign currency exchange risk arising from those payables denominated in foreign currencies, forward foreign exchange contracts are arranged to reduce the risk, if needed.

Loans payable are used to raise funds mainly in connection with capital investments. The repayment dates of the long-term debts extend up to nine years from the balance sheet date. Long-term debt with variable interest rates is exposed to interest rate fluctuation risk and foreign currency exchange risk. However, to reduce such risk and fix the interest payments for long-term debt with variable rates, the Company utilizes interest rate swap transactions and interest-rate currency swaps as hedging instruments.

Regarding derivatives, the Company enters into forward foreign exchange contracts to reduce the foreign currency exchange risk arising from the receivables and payables denominated in foreign currencies. The Company also enters into interest rate swap transactions and interest-rate currency swaps to reduce the fluctuation risk of interest payments for long-term debt with variable rates.

Information regarding the method of hedge accounting, hedging instruments and hedged items, hedging policy, and the assessment of the effectiveness of hedging activities is found in Note 2 (p).

(c) Risk management for financial instruments

- (i) Monitoring of credit risk (the risk that customers or counterparties may default)

In accordance with the internal policies of the Company for managing credit risk arising from receivables, each related division monitors credit worthiness of their main customers periodically, and monitors due dates and outstanding balances by individual customer. In addition, the Company is making efforts to identify and mitigate risks of bad debts from customers who are having financial difficulties. The consolidated subsidiaries also manage credit risk using the Company's internal policies and methods.

The Company also believes that the credit risk of derivatives is insignificant as it enters into derivative transactions only with financial institutions which have a high credit-rating.

- (ii) Monitoring of market risk (the risk arising from fluctuations in foreign exchange rates, interest rates and others)
For trade receivables and payables denominated in foreign currencies, the Company identifies the foreign currency exchange risk for each currency on a monthly basis and enters into forward foreign exchange contracts to hedge such risk. In order to mitigate the interest rate risk for loans payable bearing interest at variable rates, the Company may also enter into interest rate swap transactions and interest-rate currency swaps.

For investment securities, the Company periodically reviews the fair values of such financial instruments and the financial position of the issuers. In addition, the Company continuously evaluates whether securities should be maintained taking into account their fair values and relationships with the issuers.

In conducting derivative transactions, the division in charge of each derivative transaction follows the internal policies, which set forth delegation of authority. Monthly reports including actual transaction data are submitted to top management for their review. The consolidated subsidiaries also conduct derivative transactions using the Company's internal policies.

- (iii) Monitoring of liquidity risk (the risk that the Company may not be able to meet its obligations on scheduled due dates)
Based on the report from each division, the Company prepares and updates its cash flow plans on a timely basis to manage liquidity risk. The consolidated subsidiaries manage the liquidity risk using cash flow plans and report to the Company periodically.

(d) Supplementary explanation of the estimated fair value of financial instruments

The fair value of financial instruments is based on their quoted market price, if available. When there is no available quoted market price, fair value is reasonably estimated. Since various assumptions and factors are reflected in estimating the fair value, different assumptions and factors could result in different fair value. In addition, the notional amounts of derivatives in Note 18 Derivative Transactions are not necessarily indicative of the actual market risk involved in derivative transactions.

Estimated Fair Value of Financial Instruments

Carrying value of financial instruments on the consolidated balance sheet as of March 31, 2017 and estimated fair value are shown in the following table. The following table does not include financial instruments for which it is extremely difficult to determine the fair value (Please refer to Note (ii) below).

Year ended March 31, 2017

	Millions of yen		
	Carrying amount	Estimated fair value	Difference
Assets			
Cash on hand and in banks	¥ 59,801	¥ 59,801	¥ —
Trade notes and accounts receivable	49,420	49,420	(0)
Securities:			
Other securities	32,787	32,787	—
Total assets	¥142,009	¥142,009	¥ (0)
Liabilities			
Trade notes and accounts payable	¥ 47,744	¥ 47,744	¥ —
Short-term borrowings	11,908	11,908	—
Current portion of long-term debt	4,215	4,235	20
Long-term debt	34,901	35,385	484
Total liabilities	¥ 98,768	¥ 99,274	¥505
Derivatives (*)	¥ (472)	¥ (472)	—

	Thousands of U.S. dollars		
	Carrying amount	Estimated fair value	Difference
Assets			
Cash on hand and in banks	\$ 533,033	\$ 533,033	\$ —
Trade notes and accounts receivable	440,503	440,503	(0)
Securities:			
Other securities	292,245	292,245	—
Total assets	\$1,265,790	\$1,265,790	\$ (0)
Liabilities			
Trade notes and accounts payable	\$ 425,564	\$ 425,564	\$ —
Short-term borrowings	106,141	106,141	—
Current portion of long-term debt	37,570	37,748	178
Long-term debt	311,088	315,402	4,314
Total liabilities	\$ 880,364	\$ 884,874	\$4,501
Derivatives (*)	\$ (4,207)	\$ (4,207)	—

(*) The value of assets and liabilities arising from derivatives is shown at net value, with the amount in parentheses representing net liability position.

Year ended March 31, 2016

	Millions of yen		
	Carrying amount	Estimated fair value	Difference
Assets			
Cash on hand and in banks	¥ 62,018	¥ 62,018	¥—
Trade notes and accounts receivable	52,738	52,738	(0)
Securities:			
Other securities	29,121	29,121	—
Total assets	¥143,878	¥143,877	¥ (0)
Liabilities			
Trade notes and accounts payable	¥ 53,835	¥ 53,835	¥—
Short-term borrowings	12,569	12,569	—
Current portion of long-term debt	320	322	2
Long-term debt	36,807	36,881	73
Total liabilities	¥103,531	¥103,608	¥76
Derivatives (*)	¥ 486	¥ 486	—

(*) The value of assets and liabilities arising from derivatives is shown at net value, with the amount in parentheses representing net liability position.

(i) Method to determine the estimated fair value of financial instruments and other matters related to securities and derivative transactions

Assets

Cash on hand and in banks

The carrying amount is used for bank deposits without maturities, because the fair value approximates the carrying value. The fair value of time deposits in banks with maturities is calculated based on the present value of the total principal and interest discounted at a rate supposing a newly made deposit.

Trade notes and accounts receivables

The fair value is calculated by categories of the remaining periods of the receivables based on the present value using discount rates determined by the period to maturity and credit risk.

Securities

The carrying amount is used for other securities with maturities, because the fair value approximates the carrying amount. Quoted market price is used for other securities.

Liabilities

Trade notes and accounts payable and short-term borrowings

The carrying amount is used for these items because the fair value approximates the carrying amount.

Current portion of long-term debt and long-term debt

The fair values are calculated by applying a discount rate, based on the assumed interest rate if a similar new debt is issued, to the total of the principal and interest. The current portion of long-term debt and long-term debt with variable interest rates are subject to the special treatment of interest rate swaps or the integral treatment of interest rate currency swaps and is calculated by applying a discount rate, based on the assumed interest rate if a similar new debt is issued, to the total of the principal and interest including that of the interest rate swap.

Derivative Transactions

Please refer to Note 18, Derivative Transactions, of the notes to the consolidated financial statements.

- (ii) Financial instruments for which it is extremely difficult to determine the fair value

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Unlisted stocks	¥1,217	¥1,552	\$13,834

Because the fair values of these financial instruments are extremely difficult to determine, given that they do not have quoted market prices and future cash flows cannot be estimated, they are not included in "Securities" in the preceding table.

- (iii) Redemption schedule for receivables and securities with maturities at March 31, 2017 and 2016.

Year ended March 31, 2017

	Millions of yen		
	Due in one year or less	Due after one year through five years	Due after five years
Cash on hand and in banks	¥ 59,801	¥ —	—
Trade notes and accounts receivable	49,188	232	—
Total	¥108,989	¥232	—

Thousands of U.S. dollars

	Due in one year or less	Due after one year through five years	Due after five years
Cash on hand and in banks	\$533,033	\$ —	—
Trade notes and accounts receivable	438,435	2,068	—
Total	\$971,468	\$2,068	—

Year ended March 31, 2016

Millions of yen

	Due in one year or less	Due after one year through five years	Due after five years
Cash on hand and in banks	¥ 62,018	¥ —	—
Trade notes and accounts receivable	52,576	162	—
Total	¥114,594	¥162	—

- (iv) The redemption schedule for long-term debt

Year ended March 31, 2017

Millions of yen

	Long-term loans	Lease obligations
Due in 1 year or less	¥ 4,215	¥574
Due after 1 year through 2 years	132	400
Due after 2 years through 3 years	60	274
Due after 3 years through 4 years	5,000	131
Due after 4 years through 5 years	1,800	40
Due after 5 years	27,908	7

	Long-term loans	Lease obligations
Due in 1 year or less	\$ 37,570	\$5,116
Due after 1 year through 2 years	1,177	3,565
Due after 2 years through 3 years	535	2,442
Due after 3 years through 4 years	44,567	1,168
Due after 4 years through 5 years	16,044	357
Due after 5 years	248,757	62

Year ended March 31, 2016

	Millions of yen	
	Long-term loans	Lease obligations
Due in 1 year or less	¥ 320	¥620
Due after 1 year through 2 years	3,175	482
Due after 2 years through 3 years	1,092	306
Due after 3 years through 4 years	40	181
Due after 4 years through 5 years	5,000	49
Due after 5 years	27,500	3

19. Securities

Other securities:

March 31, 2017

	Millions of yen		
	Acquisition cost	Carrying amount	Unrealized gain (loss)
Carrying amount exceeding the acquisition cost:			
Stocks	¥13,379	¥24,189	¥10,809
Carrying amount not exceeding the acquisition cost:			
Stocks	9,835	8,194	(1,640)
Total	¥23,215	¥32,384	¥ 9,168

	Thousands of U.S. dollars		
	Acquisition cost	Carrying amount	Unrealized gain (loss)
Carrying amount exceeding the acquisition cost:			
Stocks	\$119,253	\$215,607	\$ 96,345
Carrying amount not exceeding the acquisition cost:			
Stocks	87,664	73,037	(14,618)
Total	\$206,926	\$288,653	\$ 81,719

March 31, 2016

	Millions of yen		
	Acquisition cost	Carrying amount	Unrealized gain (loss)
Carrying amount exceeding the acquisition cost:			
Stocks	¥12,987	¥21,432	¥ 8,445
Carrying amount not exceeding the acquisition cost:			
Stocks	10,217	7,283	(2,934)
Total	¥23,204	¥28,716	¥ 5,511

When their fair values have declined by 50% or more, impairment losses are recorded on those securities. When their fair values have declined by 30% up to 50%, impairment losses are recorded on those securities on an individual basis to the values considered to be recoverable.

20. Derivative Transactions

(a) Derivatives not subject to hedge accounting

Year ended March 31, 2017

None applicable

Year ended March 31, 2016

None applicable

(b) Derivatives subject to hedge accounting

The contract amounts or the amount corresponding to principal as specified by the contract as of the date of the closing of the consolidated accounts is shown below by type of hedge accounting method.

(i) Currency-related transactions
Year ended March 31, 2017

			Millions of yen		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Allocation method	Foreign exchange forward contracts	Accounts receivable			
	Sell: U.S. dollars		¥13,716	¥1,690	¥(411)
	Euros		689	174	6
	Thai baht		3	—	(0)
	JPY		10	—	(0)
	Foreign exchange forward contracts	Accounts payable			
	Buy: U.S. dollars		¥ 82	¥ 23	¥ 0
Euros		272	—	0	
Sterling pound		359	236	(68)	

			Thousands of U.S. dollars		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Allocation method	Foreign exchange forward contracts	Accounts receivable			
	Sell: U.S. dollars		\$122,257	\$15,064	\$(3,663)
	Euros		6,141	1,551	53
	Thai baht		27	—	(0)
	JPY		89	—	(0)
	Foreign exchange forward contracts	Accounts payable			
	Buy: U.S. dollars		\$ 731	\$ 205	\$ 0
Euros		2,424	—	0	
Sterling pound		3,200	2,104	(606)	

Note: Calculation of fair value is based on the forward exchange rates.

Year ended March 31, 2016

			Millions of yen		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Allocation method	Foreign exchange forward contracts	Accounts receivable			
	Sell: U.S. dollars		¥13,805	¥210	¥587
	Euros		715	158	17
	Sterling pound		—	—	—
	Foreign exchange forward contracts	Accounts payable			
	Buy: U.S. dollars		¥ 922	—	¥ (52)
	Euros		388	—	(21)
Sterling pound		758	—	(44)	
Swiss franc		—	—	—	

Note: Calculation of fair value is based on the forward exchange rates

(ii) Interest-related transactions

Year ended March 31, 2017

			Millions of yen		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Special treatment for interest rate swaps	Receive/floating and pay/fixed	Long-term borrowings	¥29,000	¥25,000	(*)
Integral treatment for interest rate currency swaps: (Special treatment and allocation method)	Receivable USD and floating rate/ payable JPY and fixed rate	Long-term borrowings	708	708	(*)

			Thousands of U.S. dollars		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Special treatment for interest rate swaps	Receive/floating and pay/fixed	Long-term borrowings	\$258,490	\$222,836	(*)
Integral treatment for interest rate currency swaps: (Special treatment and allocation method)	Receivable USD and floating rate/ payable JPY and fixed rate	Long-term borrowings	6,311	6,311	(*)

(*) Interest rate swaps subject to the special treatment for interest rate swaps and interest rate currency swaps subject to integral treatment for interest rate currency swaps are accounted for together with the long-term debt, accordingly the fair value of the interest rate swaps is included in the fair value of the corresponding long-term debt.

Note: Calculation of fair value is based on the stated price by financial institutions.

Year ended March 31, 2016

			Millions of yen		
Hedge accounting method	Type of derivative	Principal items hedged	Contract amount	Over one year	Fair value
Special treatment for interest rate swaps	Receive/floating and pay/fixed	Long-term borrowings	¥29,000	¥29,000	(*)

(*) Since interest rate swap contracts accounted for by the special treatment for interest rate swaps are treated together with the long-term borrowings subject to hedging, the estimated fair value of such interest rate swap contracts is included in the estimated fair value of the corresponding long-term borrowings.

Note: Calculation of fair value is based on the stated price by financial institutions.

21. Retirement Benefit Plans

The Company and its consolidated subsidiaries have either funded or unfunded defined benefit plans and/or defined contribution plans.

The Company and its domestic consolidated subsidiaries have defined benefit plans, i.e. lump-sum payment plans, defined

benefit plans, welfare pension fund and tax-qualified pension plans, covering substantially all employees who are entitled to lump-sum or annuity payments, the amounts of which are determined by reference to their basic rates of pay, length of service, and the conditions under which termination occurs.

The changes in the retirement benefit obligation for the years ended March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Balance at the beginning of the year	¥20,489	¥21,011	\$187,281
Service cost	1,030	1,153	10,277
Interest cost	197	109	972
Actuarial gain and loss	1,097	(627)	(5,589)
Retirement benefit paid	(1,804)	(1,518)	(13,531)
Balance at the end of the year	¥21,011	¥20,128	\$179,410

The changes in plan assets for the years ended March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Balance at the beginning of the year	¥16,101	¥14,729	\$131,286
Expected return on plan assets	322	294	2,621
Actuarial gain and loss	(1,025)	396	3,530
Contributions by the Company	422	467	4,163
Retirement benefits paid	(1,091)	(918)	(8,183)
Balance at the end of the year	¥14,729	¥14,969	\$133,425

The changes in retirement benefit liability accounted for using the simplified method for the years ended March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Balance at the beginning of the year	¥3,436	¥3,161	\$28,175
Retirement benefit expenses	686	646	5,758
Retirement benefit paid	(757)	(629)	(5,607)
Contributions	(203)	(187)	(1,667)
Balance at the end of the year	¥3,161	¥2,989	\$26,642

The following table sets forth the funded status of the plans and the amounts recognized in the consolidated balance sheets as of March 31, 2017 and 2016 for the Company's and the consolidated subsidiaries' defined benefit plans:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Funded retirement benefit obligation	¥ 20,145	¥ 19,201	\$ 171,147
Plan assets at the value	(15,769)	(16,079)	(143,319)
	4,375	3,121	27,819
Unfunded retirement benefit obligation	5,067	5,026	44,799
Net liability for retirement benefits in the balance sheet	9,442	8,148	72,627
Retirement benefit liability	11,315	10,620	94,661
Retirement benefit assets	(1,872)	(2,472)	(22,034)
Net liability for retirement benefits in the balance sheet	¥ 9,442	¥ 8,148	\$ 72,627

The components of retirement benefit expense for the years ended March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Service cost	¥1,030	¥1,153	\$10,277
Interest cost	197	109	972
Expected return on plan assets	(322)	(294)	(2,621)
Amortization of actuarial gain and loss	397	1,019	9,083
Simplified method for retirement benefit expenses	702	646	5,758
Other	49	39	348
Retirement benefit expense	¥2,054	¥2,673	\$23,826

The components of retirement benefits plans adjustments included in other comprehensive income (before tax effect) for the years ended March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Actuarial gain and loss	¥(1,741)	¥2,028	\$18,076
Total	¥(1,741)	¥2,028	\$18,076

The components of retirement benefits plans adjustments included in accumulated other comprehensive income (before tax effect) as of March 31, 2017 and 2016 are as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Unrecognized actuarial gain and loss	¥(2,359)	¥(331)	\$(2,950)
Total	¥(2,359)	¥(331)	\$(2,950)

The fair value of plan assets, by major category, as a percentage of total plan as of March 31, 2017 and 2016 as follows:

March 31,	2016	2017
Bonds	31%	30%
Stocks	38	42
Cash on hand and in banks	0	0
General account	20	18
Other	11	10
Total	100%	100%

Retirement benefit trust set for the lump-sum and corporate pension plans accounts for 19% and 17% of the total plan assets, for the years ended March 31, 2017 and 2016, respectively.

The expected return on assets has been estimated based on the anticipated allocation to each asset class and the expected long-term returns on assets held in each category.

The assumptions used in accounting for the above plans are as follows:

March 31,	2016	2017
Discount rates	0.59%	0.68%
Expected rates of return on plan assets	2.00	2.00

Contributions made to defined contribution plans for the years ended March 31, 2017 and 2016 were ¥59 million (\$526 thousand) and ¥61 million, respectively.

22. Income Taxes

The significant components of the Company's deferred tax assets and liabilities at March 31, 2017 and 2016 were as follows:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Deferred tax assets:			
Accrued enterprise taxes	¥ 176	¥ 138	\$ 1,230
Accrued bonuses	951	912	8,129
Depreciation	1,081	685	6,106
Amortization of long-term prepaid expenses	105	105	936
Loss on revaluation of inventory items	1,018	1,036	9,234
Loss on revaluation of financial instruments	193	194	1,729
Impairment loss	11,026	15,350	136,821
Retirement benefit liability	4,921	4,363	38,889
Provision for warranties for completed construction	670	884	7,879
Provision for loss on construction contracts	390	911	8,120
Provision for loss on wind power generator business	2,667	1,429	12,737
Less allowance for doubtful accounts	216	155	1,382
Asset retirement obligations	393	400	3,565
Percentage-of-completion method	544	483	4,305
Tax loss carry forwards	2,217	2,327	20,742
Unrealized loss on investment securities	886	500	4,457
Deferred loss on hedges	100	172	1,533
Unrealized gain on intercompany transactions	720	677	6,034
Other	704	793	7,068
Gross deferred tax assets	28,986	31,525	280,997
Valuation allowance	(4,194)	(4,288)	(38,221)
Total deferred tax assets	24,792	27,236	242,767
Deferred tax liabilities:			
Reserve for advanced depreciation	1,342	1,279	11,400
Reserve for special depreciation	181	51	455
Net defined benefit asset	937	765	6,819
Disposal cost with asset retirement obligations	232	230	2,050
Unrealized gain on investment securities	2,579	3,298	29,397
Deferred gain on hedges	250	39	348
Other	221	232	2,068
Total deferred tax liabilities	5,744	5,897	52,563
Net deferred tax assets	¥19,048	¥21,338	\$190,195

The reconciliation between the effective tax rates reflected in the consolidated statement of income and the statutory tax rates for the years ended March 31, 2017 and 2016 were as follows:

2016	2017
No reconciliation items are applicable for the year as the Company recorded net loss before income taxes	No reconciliation items are applicable for the year as the Company recorded net loss before income taxes

23. Business Combinations

None applicable

24. Asset Retirement Obligations

The following table presents the changes in asset retirement obligations for the years ended March 31, 2017 and 2016:

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Balance at beginning of year	¥1,295	¥1,307	\$11,650
Liabilities incurred due to the acquisition of property, plant and equipment	—	16	143
Accretion expense	21	21	187
Liabilities settled	(2)	(23)	(205)
Other	(6)	(1)	(9)
Balance at end of year	¥1,307	¥1,320	\$11,766

25. Investment and Rental Properties

The Company has omitted the disclosure of investment and rental properties due to immateriality for the years ended March 31, 2017 and 2016.

26. Segment Information

The reportable segments of the Group are components for which discrete financial information is available and whose operating results are regularly reviewed by the Executive Committee to make decisions about resource allocation and to assess performance.

The Steel and Energy Products segment includes steel castings and forgings, steel plates, pressure vessels and steel structures. The Industrial Machinery Products segment includes injection molding machines, film and sheet machinery, blow molding machines, magnesium injection molding machines, waste treatment equipment and manufacturing equipment for electronic products. The Real Estate and Other Businesses segment includes regional development.

Millions of yen

Year ended March 31, 2017	Reportable segments			Total	Adjustments and Eliminations	Consolidated
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses			
Sales and operating income:						
Sales to third parties	¥51,207	¥159,378	¥ 1,883	¥212,469	¥ —	¥212,469
Intra-segment sales and transfers	5,551	858	3,751	10,161	(10,161)	—
Total sales	56,759	160,236	5,635	222,630	(10,161)	212,469
Operating income	¥ (2,794)	¥ 15,183	¥ 959	¥ 13,349	¥ (1,008)	¥ 12,340
Assets, depreciation, and capital expenditures						
Total assets	¥37,561	¥123,743	¥11,878	¥173,183	¥102,131	¥275,315
Depreciation and amortization	4,142	3,418	206	7,767	91	7,858
Capital expenditures	4,574	4,742	44	9,361	140	9,502

Thousands of U.S. dollars

Year ended March 31, 2017	Reportable segments			Total	Adjustments and Eliminations	Consolidated
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses			
Sales and operating income:						
Sales to third parties	\$456,431	\$1,420,608	\$ 16,784	\$1,893,832	\$ —	\$1,893,832
Intra-segment sales and transfers	49,479	7,648	33,434	90,570	(90,570)	—
Total sales	505,919	1,428,256	50,227	1,984,401	(90,570)	1,893,832
Operating income	\$ (24,904)	\$ 135,333	\$ 8,548	\$ 118,986	\$ (8,985)	\$ 109,992
Assets, depreciation, and capital expenditures						
Total assets	\$334,798	\$1,102,977	\$105,874	\$1,543,658	\$910,340	\$2,454,007
Depreciation and amortization	36,920	30,466	1,836	69,231	811	70,042
Capital expenditures	40,770	42,268	392	83,439	1,248	84,696

- Notes: 1. Adjustments and eliminations for segment profit of ¥1,008 million (\$8,985 thousand) include elimination of inter-segment profit on inventories and corporate general administration expense which are not allocable to a reportable segment.
2. Adjustments and eliminations for segment assets of ¥102,131 million (\$910,340 thousand) include offset of inter-segment debt and credit, and corporate assets which are not allocable to a reportable segment.
3. Adjustments and eliminations for depreciation and amortization of ¥91 million (\$811 thousand) include depreciation and amortization for corporate assets. Adjustments and eliminations for capital expenditures of ¥140 million (\$1,248 thousand) include capital expenditures for corporate assets.

Millions of yen

Year ended March 31, 2016	Reportable segments			Total	Adjustments and Eliminations	Consolidated
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses			
Sales and operating income:						
Sales to third parties	¥74,854	¥144,358	¥ 4,087	¥223,301	¥ —	¥223,301
Intra-segment sales and transfers	4,684	1,883	3,362	9,930	(9,930)	—
Total sales	79,539	146,242	7,449	233,232	(9,930)	223,301
Operating income	¥ 699	¥ 12,391	¥ 2,018	¥ 15,109	¥ (685)	¥ 14,423
Assets, depreciation, and capital expenditures						
Total assets	¥60,256	¥124,383	¥12,055	¥196,694	¥96,443	¥293,138
Depreciation and amortization	7,294	3,009	271	10,576	92	10,669
Capital expenditures	9,053	4,940	67	14,062	(51)	14,010

- Notes: 1. Adjustments and eliminations for segment profit of ¥685 million include elimination of inter-segment profit on inventories and corporate general administration expense which are not allocable to a reportable segment.
2. Adjustments and eliminations for segment assets of ¥96,443 million include offset of inter-segment debt and credit, and corporate assets which are not allocable to a reportable segment.
3. Adjustments and eliminations for depreciation and amortization of ¥92 million include depreciation and amortization for corporate assets. Adjustments and eliminations for capital expenditures of ¥51 million include capital expenditures for corporate assets.

(a) Product and service information

Year ended March 31, 2017	Millions of yen			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Sales to third parties	¥51,207	¥159,378	¥1,883	¥212,469

Year ended March 31, 2017	Thousands of U.S. dollars			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Sales to third parties	\$456,431	\$1,420,608	\$16,784	\$1,893,832

Year ended March 31, 2016	Millions of yen			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Sales to third parties	¥74,854	¥144,358	¥4,087	¥223,301

(b) Geographical information

(i) Sales

	Millions of yen		Thousands of U.S. dollars
	2016	2017	2017
Japan	¥100,304	¥103,575	\$ 923,211
China	30,299	40,852	364,132
Others	92,697	68,041	606,480
Consolidated	¥223,301	¥212,469	\$1,893,832

Note: Net sales information above is based on customer location.

(ii) Tangible assets

The Company has omitted the disclosure of tangible assets by country or region as of March 31, 2017 and 2016 because the amount of tangible assets in Japan accounted for more than 90% of the carrying amount in the consolidated balance sheet.

(c) Significant customer information

The Company has omitted the disclosure of significant customer information for the years ended March 31, 2017 and 2016 because no individual customer accounted for more than 10% of net sales in the consolidated statement of income.

(d) Information on loss on impairment of fixed assets

Impairment losses on fixed assets by reportable segment for the years ended March 31, 2017 and 2016 are summarized as follows:

Year ended March 31, 2017	Millions of yen			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Impairment loss	¥17,874	—	—	¥17,874

Year ended March 31, 2017	Thousands of U.S. dollars			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Impairment loss	\$159,319	—	—	\$159,319

Year ended March 31, 2016	Millions of yen			
	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Total
Impairment loss	¥35,447	—	—	¥35,447

(e) Amortization and balance of goodwill

The following table presents the amortization and balance of negative goodwill arising from business combinations on or prior to March 31, 2010 as of and for the years ended March 31, 2017 and 2016 by reportable segment:

Millions of yen					
Year ended March 31, 2017	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Adjustments and Eliminations	Total
Amortization	—	¥199	—	—	¥199
Balance as of March 31	—	657	—	—	657

Thousands of U.S. dollars					
Year ended March 31, 2017	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Adjustments and Eliminations	Total
Amortization	—	\$1,774	—	—	\$1,774
Balance as of March 31	—	5,856	—	—	5,856

Millions of yen					
Year ended March 31, 2016	Steel and Energy Products	Industrial Machinery Products	Real Estate and Other Businesses	Adjustments and Eliminations	Total
Amortization	—	¥174	—	—	¥174
Balance as of March 31	—	912	—	—	912

(f) Information on gain on negative goodwill

Year ended March 31, 2017

None applicable

Year ended March 31, 2016

None applicable

27. Shareholders' Equity

The Corporation Law of Japan provides that an amount equal to 10% of the amount to be disbursed as distributions of capital surplus (other than the capital reserve) and retained earnings (other than the legal reserve) be transferred to the capital reserve and the legal reserve, respectively, until the sum of the capital reserve and the legal reserve equals 25% of the capital stock account. Such distributions can be made at any time by resolution of the meeting of shareholders, or by the Board of Directors if certain conditions are met.

28. Amounts per Share

Profit (loss) attributable to owners of parent per share is calculated based on the Profit (loss) attributable to owners of parent available for distribution to shareholders of common stock and the weighted-average number of shares of common stock outstanding during the year. Net assets per share are calculated based on the number of shares of common stock outstanding at year end. Amounts per share at March 31, 2017 and 2016 and for the years then ended were as follows:

	Yen		U.S. dollars
	2016	2017	2017
Profit (loss) attributable to owners of parent	¥ (226.62)	¥ (67.61)	\$ (0.60)
Net assets	1,497.04	1,446.44	12.89

Note: The Company carried out the share consolidation at the ratio of 5 shares to 1 share effective October 1, 2016. In accordance with this, net assets per share and profit (loss) attributable to owners of parent per share are calculated based on the assumption that the share consolidation had been carried out at the beginning of fiscal 2016.

29. Subsequent Events

(Significant subsequent events)

None applicable

Independent Auditor's Report



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Independent Auditor's Report

The Board of Directors
 The Japan Steel Works, Ltd.

We have audited the accompanying consolidated financial statements of The Japan Steel Works, Ltd. and its consolidated subsidiaries, which comprise the consolidated balance sheet as at March 31, 2017, and the consolidated statements of income, comprehensive income, changes in net assets, and cash flows for the year then ended and a summary of significant accounting policies and other explanatory information, all expressed in Japanese yen.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with accounting principles generally accepted in Japan, and for designing and operating such internal control as management determines is necessary to enable the preparation and fair presentation of the consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in Japan. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. The purpose of an audit of the consolidated financial statements is not to express an opinion on the effectiveness of the entity's internal control, but in making these risk assessments the auditor considers internal controls relevant to the entity's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of The Japan Steel Works, Ltd. and its consolidated subsidiaries as at March 31, 2017, and their consolidated financial performance and cash flows for the year then ended in conformity with accounting principles generally accepted in Japan.

Convenience Translation

We have reviewed the translation of these consolidated financial statements into U.S. dollars, presented for the convenience of readers, and, in our opinion, the accompanying consolidated financial statements have been properly translated on the basis described in Note 4.

Ernst & Young ShinNihon LLC

June 29, 2017
 Tokyo, Japan

A member firm of Ernst & Young Global Limited