

Fiscal 2015 Supplementary Information

May 10, 2016 DOWA HOLDINGS CO.,LTD.

^{*} Forward-looking statements made in this document, such as business forecasts, are based on the information available at this time and on certain premises that the Company assumes to be reasonable. Actual performance may differ materially from such forecasts due to a variety of factors.

Highlights of Income Statements

■ Consolidated Income Statements Billion yen

	FY2	.014 Res	ults	FY2015 Results								
	H1	H2	Full Year	H1	H2	Full Year	H1	-	H2		Full Year	
Net Sales	223.6	240.5	464.2	208.2	198.3	406.5	(15.3)	-7%	(42.2)	-18%	(57.6)	-12%
Operating Income	16.8	22.2	39.0	20.2	14.8	35.0	3.4	20%	(7.4)	-34%	(4.0)	-10%
Ordinary Income	18.4	23.5	42.0	20.6	14.4	35.0	2.1	11%	(9.0)	-39%	(6.9)	-17%
Net Income	12.1	14.3	26.5	12.0	9.7	21.8	(0.1)	-1%	(4.5)	-32%	(4.7)	-18%

 Net sales: Given the falling metal prices and shifting part of transactions of silver powder to contracted processing not containing silver metal prices, net sales decreased.

- Operating income: Coupled with the declines in metal prices, lower demand across product lines amid the economic slowdown in China and Southeast Asia resulted in

a decline in operating income.

- The Company achieved business results for FY2015 that were more or less in line with the estimates previously announced on February 5th.

	Forecasts (Feb.5)	Results	Change
Net Sales	410.0	406.5	(3.5)
Operating Income	35.5	35.0	(0.5)
Ordinary Income	35.0	35.0	0.0
Net Income	21.0	21.8	0.8

Business Environment (1)

■ Market situation

> Environmental Management-related market

Domestic market: Waste emissions from domestic manufacturing remained flat.

Southeast Asia: The volume of oil drilling sludge declined.

> Recycling-related market

The collection of e-scrap worsened amid the falling metal prices.

> Automotive-related market

Domestic market: The volume of car production remained lower than the previous year's level.

Overseas: Business remained strong in North America and India, with a recovery seen in Europe. Sluggish business was experienced in Indonesia and Thailand.

> Electronic Materials and Semiconductor-related market

Products for new forms of energy: Demand grew further.

Products for smartphones: A global inventory adjustment is underway.

Business Environment (2)

■ Metal prices and foreign exchange rates

> Metal prices

Prices fell across the board, given a stronger dollar and growing concern over the slowdown in demand.

> Foreign exchange rates

The yen/dollar rate remained in 120 yen range for the most part.

The yen started to appreciate in value in Q4.

	F	Y2014 Averag	je	FY2015 Average			
	H1	H2	Full Year	H1	H2	Full Year	
Exchange Rate: (¥/\$)	103.0	116.8	109.9	121.8	118.5	120.1	
Copper: (\$/t)	6,890	6,218	6,554	5,653	4,778	5,215	
Zinc: (\$/t)	2,192	2,158	2,175	2,019	1,643	1,831	
Indium: (\$/kg)	692	608	650	369	235	302	

Trends in Major Products

Indexes (100 for Q1 of FY2014)

			FY2	014			FY2	015	
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	Intermediate waste processing volume in Japan	100	86	100	96	104	96	100	101
Environmental Management & Recycling	Recycling materials collection volume (Kosaka)	100	90	86	65	81	76	81	77
rteey eg	Waste processing amount in South East Asia	100	95	88	96	82	91	75	80
Nonferrous	Copper production (Kosaka, Onahama)	100	97	87	101	101	96	84	104
Metals	Zinc production (Akita)	100	65	91	97	96	71	99	98
Electronic	LED sales volume	100	82	91	97	96	104	74	55
Materials	Silver powder sales volume	100	91	79	83	101	103	115	98
Metal Processing	Copper alloy strip sales volume	100	94	98	93	93	91	96	91
Heat	Heattreatment sales amount	100	107	111	109	104	104	109	105
Treatment	Industrial furnace sales amount	100	131	105	122	102	83	82	84

Year-on-Year Comparison by Segment

Billion yer

	FY	/2014 Resu	ts	F	Y2015 Resul	ts		Change		,
	Net Sales	Operating Income	Ordinary Income	Net Sales	Operating Income	Ordinary Income	Net Sales	Operating Income	Ordinary Income	Details of Changes to Operating Income
Environmental Management & Recycling	103.8	7.3	8.2	98.3	6.3	6.1	(5.5)	(1.0)	(2.0)	- Growth in the volume of low-contaminated PCB waste treated a reduction in the number of projects regarding soil treatment Recycling and Southeast Asia business suffered a decline in profit, given the falling prices of metals and crude oil.
Nonferrous Metals	238.5	13.5	15.4	214.9	13.3	13.9	(23.6)	(0.2)	(1.4)	- Grew with the depreciation of the yen, a turnaround in the conditions for purchasing raw materials, and lower electricity charges Metal prices decreased.
Electronic Materials	73.6	8.8	9.6	48.3	8.0	8.2	(25.3)	(0.7)	(1.4)	Silver powder grew in sales.Sales of LEDs decreased due to the inventory adjustment.
Metal Processing	87.6	5.8	6.1	77.4	4.9	5.0	(10.2)	(0.8)	(1.0)	 Income declined due to the lower prices of copper and the sluggish Sales of copper alloy strips for automobiles. Metal-ceramic substrates suffered a decline in Sales for industrial machinery and railroads.
Heat Treatment	27.3	2.3	2.2	24.1	1.3	1.1	(3.1)	(1.0)	` ,	- Heat treatment facilities saw a decline in sales, reflecting sluggish demand in Japan as well as in Indonesia and Thailand.
Other/ Elimination	(66.8)	1.2	0.3	(56.5)	1.1	0.4	10.2	(0.0)	0.1	
Total	464.2	39.0	42.0	406.5	35.0	35.0	(57.6)	(4.0)	(6.9)	6

Factor Analysis of Ordinary Income

FY2014- FY2015	Environmental Management & Recycling	Nonferrous Metals	Electronic Materials	Metal Processing	Heat Treatment	Other	Total
Effect of various measures, increase/ decrease in sales, etc.	(1.0)	(1.3)	(1.0)	(1.0)	(0.9)	(0.1)	(5.2)
Of the above, free metal income difference (volume difference)	_	(0.1)	_	_	_	_	(0.1)
Free metal income difference (price difference)	_	(3.3)	_	_	_	-	(3.3)
Conditions of raw material (changes in exchange rate and base conditions)	_	2.6	_	_	_	_	2.6
Difference between the market value and book value at sale, and between market value and valuation prices at end of period	_	_	_	_	_	_	_
Electricity charges, etc.	_	1.2	_	_	_	_	1.2
Depreciation in manufacturing cost	(0.0)	0.4	0.2	0.1	(0.1)	0.0	0.6
Increase/decrease in operating income	(1.0)	(0.2)	(0.7)	(0.8)	(1.0)	(0.0)	(4.0)
Effect of non-operating income/expenses							
- Equity method income or loss	(0.0)	(1.4)	(0.1)	(0.1)	_	(0.3)	(1.8)
- Other	(1.0)	0.2	(0.5)	(0.1)	(0.1)	0.5	(1.0)
Increase/decrease in ordinary income	(2.0)	(1.4)	(1.4)	(1.0)	(1.0)	0.1	(6.9)

Financial Highlights (1)

■ Consolidated Balance Sheets

Billion yen

	March 31, 2015	March 31, 2016	Change		March 31, 2015	March 31, 2016	Change
Current	180.2	168.6	(11.5)	Current Liabilities	118.8	100.6	(18.1)
Assets	100.2	108.0	(11.5)	Noncurrent Liabilities	64.7	60.4	(4.3)
Noncurrent	198.9	195.7	(3.2)	Non-Controlling Interests	187.1	194.9	7.7
Assets	190.9	193.7	(3.2)	Equity	8.5	8.4	(0.0)
Total Assets	379.1	364.4	(14.7)	Total Liabilities and Net Assets	379.1	364.4	(14.7)

> Total assets

Lower levels of accounts receivable and inventory resulted in a 14.7 billion yen reduction compared with the end of the preceding fiscal year.

- Interest-bearing debt
 - 81.1 billion yen at the end of FY2015 (against 86.6 billion yen at the end of FY2014)
- > Net worth ratio
 - 53.5% at the end of FY2015 (against 49.3% at the end of FY2014)

Financial Highlights (2)

■ Consolidated Statements of Cash Flows

Billion yen

		FY2014	FY2015	Change
Ca	ash Flows from Operating Activities	38.3	45.7	7.4
	Income before income taxes and minority interest	41.8	31.8	(9.9)
	Depreciation	16.0	15.6	(0.3)
	Income taxes paid	(13.8)	(16.9)	(3.1)
	Other, net	(5.6)	15.2	20.9
Ca	ash Flows from Investing Activities	(20.3)	(23.4)	(3.1)
	Acquisition of property, plant and equipment	(16.8)	(20.6)	(3.8)
	Other investments	(3.4)	(2.8)	0.6
Ca	ash Flows from Financing Activities	(16.9)	(11.1)	5.7
Тс	otal	1.1	11.1	9.9

(Ref.) Consolidated Income Statements

FY2014 FY2015 Changes H1 H2 Full year Н1 H2 Full year Н1 H2 Full year **Net Sales** 223,640 240,579 464,219 208,272 198,325 406,598 △ 15,368 △ 42,253 △ 57,621 Cost of Sales 190.844 200.664 391,509 171.021 166,293 337,314 \wedge 19.823 \wedge 34.370 \wedge 54.194 Gross Profit 32,795 39,914 72,710 37,251 32,032 69,283 4,455 △ 7,882 △ 3,427 17,216 34,216 Selling, General, and Administrative Expenses, R&D Expense 15,983 17,632 33,616 17,000 1,016 \wedge 416 599 35,067 △ 4,027 Operating Income 16,812 22,282 39,094 20,251 14,816 3,439 △ 7,466 1,923 Other Income 3,050 3,082 6,133 1,751 3,674 △ 1,127 △ 1,331 △ 2,458 Interest and dividend income 419)(396) 816) 486)(462) 949) 66) (65) 132) 1.053) 919) 1.973) 316) (△ 241) 75) (△ 736) (△ 1.161) (△ 1,898) Equity in earnings of affiliates Other income 1,577) (1,765) 3,343) 1,120) 1,530) 2,650) (△ 457) (△ 235) 692) 197 Other Expenses 1,370 1,820 3,190 1,567 2,118 3,685 298 495 Interest expenses 588) (577) 1,165) 458) 464) (922) (△ 130) 112) (△ 243) Equity in losses of affiliates 327) (Other expenses 781) (1,242) 2,024) 1,109) 1,653) 2,763) 411) 738) Ordinary Income 18,492 23,544 42.037 20,607 14.448 35,056 2,114 △ 9,095 △ 6,981 Extraordinary income 125 4,224 4,349 189 1,864 2,053 63 △ 2,359 △ 2,295 Gain on sales of noncurrent assets 17) 4,098) 4,115) 38) 67) 105) 20)(^ 4,031) (△ 4,010) Gain on sale of investment securities 87) 55) 142) 79) 1,241) 1,320) (△ 7) (1,185) 1,177) 48) 315) 363) 48) (315) 363) Insurance income Subsidy income 35) 35) 264) 264) -)(228) 228) 20) 34) 55) 23) (△ 23) 2) (△ 57) (△ 55) Other Extraordinary loss 429 4,141 4,570 2,339 2,948 5,287 1,909 △ 1,193 716 130) 287) 418) 252) 651) 903) 121) 364) 485) Loss on retirement of non-current assets 1,856) (△ Loss on valuation of investment securities 1,853) 1,853) 1,680) (△ 3) 1,676) 1,680) 176) Loss on disposal of non-current assets 967) 967) -) (A 967) (△ 967) 44) (Impairment loss 491) 536) 45) (1,750) 1,796) -)|(1,259) 1,259)Loss on disaster 226) (411) 637) 30)(△ 30) 195) (△ 442) (△ 637) Other 27) 130) 157) 330) 580) 910) 302) 450) 752) 18,188 23,627 18,457 13,365 31,822 268 Income Before Income Taxes 41,816 △ 10,262 △ 9,993 5,999 6,217 3,882 10,099 218 △ 5,232 Total income Taxes 9,114 15,113 △ 5,014 \triangle 103 189 Profit attributable to non-controlling interests △ 10 168 158 178 △ 282 △ 451 △ 262 Profit attributable to owners of patent 12,199 14,344 26,543 12,061 9,765 21,826 △ 138 △ 4,578 △ 4,717

7,275

8,296

15,572

7,268

7,877

15,145

△ 7

△ 419

Depreciation

△ 427

(Ref.) Consolidated Balance Sheet

(1.40)				cca Balarice			Million yer
Accounts	March 31, 2015	March 31, 2016	Change	Accounts	March 31, 2015	March 31, 2016	Change
Assets				Liabilities			
Current Assets	180,215	168,662	(11,552)	Current Liabilities	118,817	100,646	(18,171
Cash and deposits	8,517	19,364	10,847	Notes and accounts payable-trade	31,041	28,720	(2,321
Notes and accounts receivable-trade	73,126	62,202	(10,924)	Short-term loans payable	30,459	32,407	1,948
Inventories	81,597	69,277	(12,320)	Commercial papers	18,000	14,000	(4,000
Deferred tax assets	5,248	4,171	(1,076)	Current portion of bonds	-	-	-
Other	11,888	13,819	1,931	Income taxes payable	8,623	2,506	(6,117
Allowance for doubtful accounts	(163)	(174)	(10)	Ingot leasing liabilities	4,910	1,076	(3,834
				Other	25,782	21,935	(3,846
				Noncurrent Liabilities	64,725	60,403	(4,322
Noncurrent Assets	198,978	195,758	(3,220)	Bonds payable	10,000	10,000	-
Property, plant and equipment	107,675	110,607	2,931	Long-term loans payable	28,208	24,727	(3,480
Intangible assets	10,990	10,296	(693)	Net defined benefit liability	14,508	15,880	1,372
Investment securities	70,764	64,773	(5,991)	Deferred tax liabilities	4,420	2,072	(2,347
Deferred tax assets	3,372	3,939	567	Other	7,588	7,722	133
Other	6,310	6,241	(68)	Total Liabilities	183,543	161,049	(22,493
Allowance for doubtful accounts	(134)	(99)	35	Net Assets			
				Shareholders' Equity	165,731	182,211	16,480
				Capital stock	36,437	36,437	-
				Capital surplus	26,362	26,426	64
				Retained earnings	108,630	125,049	16,418
				Treasury shares	(5,699)	(5,701)	(2
				Accumulated Other Comprehensive Income	21,390	12,709	(8,681
				Valuation difference on available-for-sale securities	15,801	10,649	(5,152
				Deferred gains or losses on hedges	(197)	(227)	(30
				Foreign currency translation adjustment	6,167	3,378	(2,789
				Remeasurements of defined benefit plans	(381)	(1,091)	(709
				Non-controlling interests	8,528	8,449	(78
				Total Net Assets	195,649	203,370	7,720
Total Assets	379,193	364,420	(14,772)	Total Liabilities and Net Assets	379,193	364,420	(14,772
				Interest-bearing debt	86,668	81,135	(5,532
				Equity ratio	49.3%	53.5%	4.19
				ROA	11.4%	9.4%	-2.0%
				ROE	15.4%	11.4%	-3.9%

(Ref.) Consolidated Statements of Cash Flows

							Million yen
	FY2014	FY2015	Change		FY2014	FY2015	Change
I. Cash Flows from Operating Activities				II. Cash Flows from Investing Activities			
Income before income taxes and minority interests	41,816	31,822	(9,993)	Acquisition of property, plant and equipment	(16,838)	(20,664)	(3,826)
Adjustments (non-cash)				Sale and acquisition of securities	(6,022)	(2,122)	3,899
Depreciation	16,075	15,688	(386)	Change in loans	(448)	(630)	(182)
Equity in (earnings) losses of affiliates	(1,973)	(75)	1,898	Proceeds from disposal and sale of noncurrent assets	4,861	450	(4,410)
Change of business, impairment loss	536	1,796	1,259	Other, net	(1,873)	(518)	1,354
(Gain) loss due to sale or disposal of securities, property, plant and equipment	(2,861)	(472)	2,388	Net cash used in investing activities	(20,321)	(23,486)	(3,165)
Loss on valuation of investment securities	1,853	1,676	(176)	III. Cash Flows from Financing Activities			
Increase in allowance for doubtful accounts	299	389	90	Change in borrowings and corporate bonds	(12,805)	(5,438)	7,366
Interest income and expenses and dividends	1,517	170	(1,346)	Purchases of treasury stock and issuance of common stock	(3)	(2)	1
Income taxes paid	(13,846)	(16,980)	(3,133)	Cash dividends paid	(4,653)	(5,556)	(902)
Other, net	1,150	(507)	(1,657)	Other, net	556	(163)	(719)
Total for profit/loss items	44,567	33,509	(11,057)	Net cash used in financing activities	(16,905)	(11,159)	5,746
Increase/decrease in assets/liabilities				Effect of Exchange Rate Changes on Cash and Cash Equivalents	855	(248)	(1,103)
Increase/decrease in trade receivable/payable	(4,542)	8,904	13,446	Net Increase (Decrease) in Cash and Cash Equivalents	1,973	10,857	8,883
Increase/decrease in inventories	(3,338)	11,860	15,198	Cash and Cash Equivalents of Newly Consolidated Subsidiaries	247	-	(247)
Other, net	1,658	(8,521)	(10,180)	Cash and Cash Equivalents at Beginning of Term	5,823	8,044	2,221
Total for balance sheet items	(6,221)	12,242	18,463	Cash and Cash Equivalents at End of Term	8,044	18,902	10,857
Net cash provided by operating activities	38,345	45,751	7,406				
				(Ref.)			
Free cash flow	18,024	22,265	4,240	Balance of interest-bearing debt	86,668	81,135	(5,532)

(Ref.) Quarterly Business Results by Segment

Billion yen

		FY2015 Results											
		1Q		2Q			3Q				4Q		
	Net Sales	Operating Income	Ordinary Income										
Environmental Management & Recycling	25.4	1.8	1.8	24.3	1.4	1.2	23.5	1.2	0.9	25.1	1.9	2.2	
Nonferrous Metals	58.1	5.2	5.7	52.3	3.4	3.7	55.8	2.7	2.7	48.7	2.0	1.8	
Electronic Materials	13.1	2.3	2.5	12.0	2.4	2.4	12.0	2.1	2.2	11.2	1.2	1.1	
Metal Processing	20.5	1.5	1.6	19.8	1.1	1.1	19.1	1.3	1.3	18.0	1.0	1.0	
Heat Treatment	6.5	0.3	0.3	5.9	0.3	0.2	5.7	0.2	0.2	6.0	0.5	0.4	
Other/ Elimination	(16.0)	0.1	(0.1)	(13.7)	0.2	0.0	(14.0)	0.3	0.2	(12.8)	0.5	0.3	
Total	107.8	11.5	12.0	100.4	8.7	8.6	102.4	7.9	7.6	95.9	6.9	6.8	

Forecasts for Fiscal 2016 (1)

Billion yen

	FY2015 Results	FY2016 Forecasts	Change
Net Sales	406.5	385.0	(21.5)
Operating Income	35.0	29.0	(6.0)
Ordinary Income	35.0	29.0	(6.0)
Net Income	21.8	20.0	(1.8)

Lower profits expected for nonferrous and others, reflecting the further appreciation of the yen and the falling metal prices.

^{*} The impacts of the cost of and investment in exploration projects on income at different stages

	FY2015 Results	FY2016 Forecasts	Change
Operating Income	(0.7)	(0.7)	0.0
Ordinary Income	(2.3)	(1.7)	0.5
Net Income	(3.8)	(1.7)	2.0

Forecasts for Fiscal 2016 (2)

■ Market outlook

Environmental Management & Recycling-related market

Domestic market: No significant changes expected in the general business environment.

Southeast Asia: Waste emissions will continue to increase in general.

> Automotive-related market

Domestic market: Auto production will be more or less in line with the previous year's level.

Overseas: Business will remain strong in North America, Europe and India.

A slight recovery in demand is expected in emerging economies.

Electronic Materials and Semiconductor-related market

Products for new forms of energy: Demand will continue to increase.

Products for smartphones: The market faces growing uncertainty.

Fiscal 2016 Assumptions and Sensitivities

Sensitivity (Operating Income/Year)

Million yen

	Assumptions	Assumptions Fluctuation	
¥/\$	115.0 ¥/\$	±1 ¥/\$	380
Copper	4,800 \$/t	±100 \$/t	50
Zinc	1,800 \$/t	±100 \$/t	500
Indium	250 \$/kg	±100 \$/kg	600

^{*}Sensitivity is based on assumptions that the Company assumes to be reasonable at the time of publication. Actual effects may differ materially due to a variety of factors.

Exchange rate and metal prices

	FY2015 Average		FY2016 As	(Ref.) April	
	H1	Full Year	H1	Full Year	2016
Exchange rate: (¥/\$)	121.8	120.1	115.0	115.0	109.4
Copper: (\$/t)	5,653	5,215	4,800	4,800	4,851
Zinc: (\$/t)	2,019	1,831	1,800	1,800	1,852
Indium: (\$/kg)	369	302	250	250	244

Year on Year Comparison by Segment

Billion yen

	FY2015 Results			FY20	FY2016 Forecasts			Change		
	Net Sales	Operating Income	Ordinary Income	Net Sales	Operating Income	Ordinary Income	Net Sales	Operating Income	Ordinary Income	
Environmental Management & Recycling	98.3	6.3	6.1	97.0	6.8	6.8	(1.3)	0.4	0.6	
Nonferrous Metals	214.9	13.3	13.9	193.0	7.2	7.6	(21.9)	(6.1)	(6.3)	
Electronic Materials	48.3	8.0	8.2	44.0	5.8	5.9	(4.3)	(2.2)	(2.3)	
Metal Processing	77.4	4.9	5.0	73.0	6.1	6.2	(4.4)	1.1	1.1	
Heat Treatment	24.1	1.3	1.1	27.5	2.4	2.3	3.3	1.0	1.1	
Other/ Elimination	(56.5)	1.1	0.4	(49.5)	0.7	0.2	7.0	(0.4)	(0.2)	
Total	406.5	35.0	35.0	385.0	29.0	29.0	(21.5)	(6.0)	(6.0)	

Investment

Billion yen

	FY2013 Results		FY2014 Results			FY2015 Results			FY2016 Forecasts			
	Capital and stock investment	R&D investment	Total	Capital and stock investment	R&D investment	Total	Capital and stock investment	R&D investment	Total	Capital and stock investment	R&D investment	Total
Environmental Management & Recycling	5.6	0.4	6.0	10.2	0.3	10.6	9.1	0.3	9.4	9.0	0.4	9.4
Nonferrous Metals	3.0	0.9	3.9	2.4	2.7	5.1	5.2	4.5	9.7	9.0	2.4	11.4
Electronic Materials	3.1	2.6	5.8	2.2	2.6	4.8	3.8	2.9	6.8	4.0	3.1	7.1
Metal Processing	2.8	0.4	3.3	2.1	0.5	2.7	2.8	0.5	3.4	4.0	0.6	4.6
Heat Treatment	2.1	0.3	2.4	4.3	0.3	4.6	3.0	0.4	3.5	3.0	0.3	3.3
Companywide, Other	2.0	0.0	1.9	0.4	(0.1)	0.3	0.7	(0.1)	0.5	2.0	0.0	2.0
Total	18.8	4.6	23.5	21.8	6.5	28.4	24.9	8.6	33.6	31.0	6.9	37.9

(Ref.) Depreciation Expenses

	FY2013 Results	FY2014 Results	FY2015 Results	FY2016 Forecasts
Environmental Management & Recycling	4.7	4.6	4.7	5.1
Nonferrous Metals	4.3	3.4	2.9	3.9
Electronic Materials	2.6	2.5	2.4	3.0
Metal Processing	2.2	2.2	2.0	2.3
Heat Treatment	1.7	1.8	2.0	2.1
Companywide, Other	0.4	0.9	0.9	1.1
Total	16.2	15.5	15.1	17.7

Major investments for fiscal 2015

Environmental Management & Recycling:

Building a new furnace for low-contaminated PCB waste treatment

Nonferrous Metals:

Mine development in Mexico

Build/renew zinc-related facilities, including a roasting furnace