POSCO Condensed Separate Interim Financial Statements (Unaudited) June 30, 2016

(With Independent Auditors' Review Report Thereon)

Table of Contents

	Page
Independent Auditors' Review Report	1
Condensed Separate Interim Financial Statements	
Condensed Separate Interim Statements of Financial Position	3
Condensed Separate Interim Statements of Comprehensive Income	5
Condensed Separate Interim Statements of Changes in Equity	6
Condensed Separate Interim Statements of Cash Flows	7
Notes to the Condensed Separate Interim Financial Statements	9

Independent Auditors' Review Report

Based on a report originally issued in Korean

The Board of Directors and Shareholders POSCO:

Reviewed financial statements

We have reviewed the accompanying condensed separate interim financial statements of POSCO (the "Company"), which comprise the condensed separate interim statement of financial position as of June 30, 2016, the condensed separate interim statements of comprehensive income for the three-month and six-month periods ended June 30, 2016, and 2015, the condensed separate interim statements of changes in equity and cash flows for the six-month periods ended June 30, 2016 and 2015, and notes, comprising a summary of significant accounting policies and other explanatory information.

Management's responsibility

Management is responsible for the preparation and fair presentation of these condensed separate interim financial statements in accordance with Korean International Financial Reporting Standard ("K-IFRS") No. 1034 "Interim Financial Reporting". The Company's management is also responsible for the internal controls determined necessary to prepare condensed separate interim financial statements free of material misstatements due to error or fraud.

Auditor's review responsibility

Our responsibility is to issue a report on the condensed separate interim financial statements based on our reviews.

We conducted our reviews in accordance with the Review Standards for Quarterly and Semiannual Financial Statements established by the Securities and Futures Commission of the Republic of Korea. A review of interim financial statements consists of making inquiries primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Korean Standards on Auditing and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.

Conclusion

Based on our reviews, nothing has come to our attention that causes us to believe that the accompanying condensed separate interim financial statements referred to above are not prepared, in all material respects, in accordance with K-IFRS No. 1034 "Interim Financial Reporting".

Other matter

The procedures and practices utilized in the Republic of Korea to review such condensed separate interim financial statements may differ from those generally accepted and applied in other countries.

The separate statement of financial position of the Company as of December 31, 2015, and the related separate statements of comprehensive income, changes in equity and cash flows for the year then ended, which are not accompanying this report, were audited by us in accordance with Korean Standards on Auditing and our report thereon, dated February 25, 2016, expressed an unqualified opinion. The accompanying condensed separate statement of financial position of the Company as of December 31, 2015, presented for comparative purposes, is consistent, in all material respect, with the audited separate financial statements from which it has been was derived.

KPMG Samjong Accounting Corp.

Seoul, Korea August 12, 2016

This report is effective as of August 12, 2016, the review report date. Certain subsequent events or circumstances, which may occur between the review report date and the time of reading this report, could have a material impact on the accompanying condensed separate interim financial statements. Accordingly, the readers of the review report should understand that the above review report has not been updated to reflect the impact of such subsequent events or circumstances, if any.

POSCO Condensed Separate Interim Statements of Financial Position As of June 30, 2016 and December 31, 2015 (Unaudited)

(in millions of Won)	Notes	_	June 30, 2016	December 31, 2015
Assets				
Cash and cash equivalents	20	₩	1,218,061	1,634,106
Trade accounts and notes receivable, net	4,14,20,31		2,773,403	2,740,104
Other receivables, net	5,20,31		203,888	246,431
Other short-term financial assets	6,20		4,081,412	3,326,012
Inventories	7,28		3,046,201	3,427,011
Assets held for sale	8		185,869	25,892
Other current assets	13	_	32,251	28,083
Total current assets		_	11,541,085	11,427,639
Long-term trade accounts and notes receivable, net	4,20		16,978	19,895
Other receivables, net	5,20		102,230	93,757
Other long-term financial assets	6,20		1,723,450	1,804,374
Investments in subsidiaries, associates				
and joint ventures	9		14,998,067	15,737,287
Investment property, net	10		105,234	86,752
Property, plant and equipment, net	11		22,482,394	21,514,150
Intangible assets, net	12		491,496	490,762
Other non-current assets	13	_	125,411	134,793
Total non-current assets		_	40,045,260	39,881,770
Total assets		₩	51,586,345	51,309,409

POSCO

Condensed Separate Interim Statements of Financial Position, Continued As of June 30, 2016 and December 31, 2015 (Unaudited)

(in millions of Won)	Notes		June 30, 2016	December 31, 2015
Liabilities				
Trade accounts and notes payable Short-term borrowings	20,31	₩	719,751	577,856
and current installments of long-term borrowings	4,14,20		1,487,082	1,985,722
Other payables	15,20,31		756,921	946,735
Other short-term financial liabilities	16,20		19,918	25,676
Current income tax liabilities			223,799	227,569
Provisions	17		19,426	22,840
Other current liabilities	19		34,788	31,281
Total current liabilities			3,261,685	3,817,679
Long-term borrowings,				
excluding current installments	14,20		3,808,283	3,303,105
Other payables	15,20		115,649	37,656
Other long-term financial liabilities	16,20		76,205	81,496
Defined benefit liabilities, net	18		28,463	10,472
Deferred tax liabilities			991,338	994,867
Long-term provisions	17,32		18,843	21,954
Other non-current liabilities	19		16,097	16,623
Total non-current liabilities			5,054,878	4,466,173
Total liabilities			8,316,563	8,283,852
Equity				
Share capital	21		482,403	482,403
Capital surplus	21,34		1,156,276	1,247,581
Hybrid bonds	22		996,919	996,919
Reserves	23		99,327	(30,018)
Treasury shares	24		(1,533,782)	(1,533,898)
Retained earnings		_	42,068,639	41,862,570
Equity			43,269,782	43,025,557
Total liabilities and equity		₩_	51,586,345	51,309,409

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Condensed Separate Interim Statements of Comprehensive Income For the three-month and six-month periods ended June 30, 2016 and 2015 (Unaudited)

(in millions of Won, except per share information)			For the three-m ended J		For the six-month periods ended June 30		
	Notes		2016	2015	2016	2015	
Revenue	31	₩	6,009,608	6,575,519	11,776,740	13,363,126	
Cost of sales	7,28,31		(4,851,019)	(5,507,224)	(9,616,421)	(11,219,285)	
Gross profit			1,158,589	1,068,295	2,160,319	2,143,841	
Selling and administrative expenses Administrative expenses Selling expenses	25,28,31		(228,538) (217,317)	(222,541) (238,246)	(424,387) (441,084)	(435,781) (478,845)	
Operating profit			712,734	607,508	1,294,848	1,229,215	
Finance income and costs Finance income Finance costs	20,26		86,289 (390,927)	107,385 (170,049)	369,249 (633,111)	466,228 (313,239)	
Other non-operating income and expenses Other non-operating income Other non-operating expenses	27,31 28		26,313 (39,035)	59,509 (274,590)	44,758 (119,067)	73,137 (393,375)	
Profit before income tax Income tax expense	29		395,374 (84,864)	329,763 (119,313)	956,677 (200,257)	1,061,966 (351,756)	
Profit Other comprehensive income (loss) Items that will not be reclassified subsequently to profit or loss: Remeasurements of defined benefit plans, net of tax	18		(52,771)	210,450	(48,643)	(20,422)	
Items that are or may be reclassified subsequently to profit or loss: Net changes in unrealized fair value of available-for-sale investments, net of tax	6,20,23		132,926	267	129,345	28,379	
Total comprehensive income		₩	390,665	226,102	837,122	718,167	
Basic and diluted earnings per share (in Won)	30	₩	3,781	2,528	9,250	8.674	

POSCO Condensed Separate Interim Statements of Changes in Equity For the six-month periods ended June 30, 2016 and 2015 (Unaudited)

(in millions of Won)	_	Share capital	Capital surplus	Hybrid bonds	Reserves	Treasury shares	Retained earnings	Total
Balance as of January 1, 2015	₩	482,403	1,247,616	996,919	94,042	(1,534,457)	41,188,908	42,475,431
Comprehensive income:								
Profit		-	-	-	-	-	710,210	710,210
Other comprehensive income (loss)								
Remeasurements of defined benefit								
plans, net of tax		-	-	-	-	-	(20,422)	(20,422)
Net changes in unrealized fair value of								
available-for-sale investments, net of tax		-	-	-	28,379	-	-	28,379
Transactions with owners of the Company,								
recognized directly in equity:								
Year-end dividends		-	-	-	-	-	(479,958)	(479,958)
Interest of hybrid bonds		-	-	-	-	-	(21,572)	(21,572)
Disposal of treasury shares		-	13			92		105
Balance as of June 30, 2015	₩_	482,403	1,247,629	996,919	122,421	(1,534,365)	41,377,166	42,692,173
Balance as of January 1, 2016	₩	482,403	1,247,581	996,919	(30,018)	(1,533,898)	41,862,570	43,025,557
Comprehensive income:								
Profit		-	-	-	-	-	756,420	756,420
Other comprehensive income (loss)								
Remeasurements of defined benefit								
plans, net of tax		-	-	-	-	-	(48,643)	(48,643)
Net changes in unrealized fair value of								
available-for-sale investments, net of tax		-	-	-	129,345	-	-	129,345
Transactions with owners of the Company,								
recognized directly in equity:								
Year-end dividends		-	-	-	-	-	(479,974)	(479,974)
Business combination		-	(91,310)	-	-	-	-	(91,310)
Interest of hybrid bonds		-	-	-	-	-	(21,734)	(21,734)
Disposal of treasury shares		-	5	-		116		121
Balance as of June 30, 2016	₩	482,403	1,156,276	996,919	99,327	(1,533,782)	42,068,639	43,269,782

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Condensed Separate Interim Statements of Cash Flows For the six-month periods ended June 30, 2016 and 2015 (Unaudited)

(in millions of Won)	Notes		June 30, 2016	June 30, 2015
Cash flows from operating activities				
Profit		₩	756,420	710,210
Adjustments for:				
Costs for defined benefit plans			55,954	61,879
Depreciation			1,019,089	1,022,390
Amortization			37,111	34,005
Finance income			(247,029)	(385,349)
Finance costs			502,040	235,929
Loss on valuation of inventories			4,013	9,219
Gain on disposal of property, plant and equipment			(16,281)	(6,063)
Loss on disposal of property, plant and equipment			55,646	44,238
Impairment loss on property, plant and equipment			-	46,436
Impairment loss on investments				
in subsidiaries, associates and joint ventures			35,943	215,676
Gain on disposal of assets held for sale			-	(52,165)
Contribution to provisions			511	2,068
Income tax expense			200,257	351,756
Others			11,079	28,685
Changes in operating assets and liabilities	33		361,710	583,333
Interest received			43,220	35,586
Interest paid			(103,269)	(133,829)
Dividends received			124,795	484,612
Income taxes paid			(213,086)	(311,263)
Net cash provided by operating activities		₩_	2,628,123	2,977,353

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Condensed Separate Interim Statements of Cash Flows, Continued For the six-month periods ended June 30, 2016 and 2015 (Unaudited)

(in millions of Won)	Notes		June 30, 2016	June 30, 2015
Cash flows from investing activities				
Proceeds from disposal of short-term financial instruments		₩	8,652,172	3,283,306
Decrease in short-term loans			-	4,235
Proceeds from disposal of available-for-sale financial assets			1,232	435
Decrease in long-term loans			-	452
Proceeds from disposal of investment				
in subsidiaries, associates and joint ventures			1,130	3,613
Proceeds from disposal of intangible assets			2,455	2,685
Proceeds from disposal of assets held for sale			-	411,280
Proceeds from business combination			24,250	-
Acquisition of short-term financial investments			(9,405,956)	(5,010,999)
Increase in short-term loans			-	(65,208)
Acquisition of available-for-sale financial assets			(17,066)	(752)
Increase in long-term loans			-	(75)
Acquisition of investment in subsidiaries,				
associates and joint ventures			(142,928)	(355,555)
Acquisition of investment property			-	(146)
Acquisition of property, plant and equipment			(1,008,213)	(812,326)
Payment for disposal of property, plant and equipment			(9,528)	(18,886)
Acquisition of intangible assets		_	(25,599)	(17,037)
Net cash used in investing activities		-	(1,928,051)	(2,574,978)
Cash flows from financing activities				
Proceeds from borrowings			874,654	1,348
Increase in long-term financial liabilities			2,630	2,560
Repayment of borrowings			(1,503,662)	(120,588)
Decrease in long-term financial liabilities			(3,135)	(2,545)
Payment of cash dividends			(480,012)	(479,999)
Payment of interest of hybrid bonds		_	(21,860)	(21,740)
Net cash used in financing activities			(1,131,385)	(620,964)
Changes in cash due to foreign currency translation		_	15,268	-
Net decrease in cash and cash equivalents			(416,045)	(218,589)
Cash and cash equivalents at beginning of the period		_	1,634,106	1,742,767
Cash and cash equivalents at end of the period		₩	1,218,061	1,524,178

1. Reporting Entity

POSCO (the "Company") is the largest steel producer in Korea which was incorporated on April 1, 1968, to manufacture and sell steel rolled products and plates in the domestic and overseas markets.

The shares of the Company have been listed on the Korea Exchange since 1988. The Company owns and operates two steel plants (Pohang and Gwangyang) and one office in Korea, and it also operates internationally through five of its overseas liaison offices.

As of June 30, 2016, the shares of the Company are listed on the Korea Exchange, while its depository receipts are listed on the New York Stock Exchanges.

2. Statement of Compliance

Statement of compliance

The condensed separate interim financial statements have been prepared in accordance with Korean International Financial Reporting Standards ("K-IFRS"), as prescribed in the *Act on External Audit of Corporations.*

These condensed separate interim financial statements have been prepared in accordance with K-IFRS No. 1034 "Interim Financial Reporting" as part of the period covered by the Company's K-IFRS annual financial statements. Selected explanatory notes are included to explain events and transactions that are significant to an understanding of the changes in financial position and performance of the Company since the last annual separate financial statements as of and for the year ended December 31, 2015. These condensed separate interim financial statements do not include all of the disclosures required for full annual financial statements.

These condensed interim financial statements are separate interim financial statements in accordance with K-IFRS No. 1027 "*Separate Financial Statements*" presented by a parent, an investor in a subsidiary, an associate or a venture in a jointly controlled entity, in which the investments are accounted for on the basis of the direct equity interest rather than on the basis of the reported results and net assets of the investees.

Use of estimates and judgments

(a) Judgments, assumptions and estimation uncertainties

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

In preparing these condensed separate interim financial statements, the significant judgments made by management in applying the Company's accounting policies and the key sources of estimation uncertainty were the same as those that applied to the separate financial statements as of and for the year ended December 31, 2015.

(b) Measurement of fair value

The Company's accounting policies and disclosures require the measurement of fair values, for both financial and non-financial assets and liabilities. The Company has an established control framework with respect to the measurement of fair values. This includes a valuation team that has overall responsibility for overseeing all significant fair value measurements, including Level 3 fair values, and reports directly to the financial officer.

The valuation team regularly reviews significant unobservable inputs and valuation adjustments. If third party information, such as broker quotes or pricing services, is used to measure fair values, then the valuation team assesses the evidence obtained from the third parties to support the conclusion that such valuations meet the requirements of K-IFRS including the level in the fair value hierarchy in which such valuation techniques should be classified.

The Company reports the significant valuation matters to the Audit Committee.

When measuring the fair value of an asset or a liability, the Company uses market observable data as far as possible. Fair values are categorized into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows.

- Level 1 unadjusted quoted prices in active markets for identical assets or liabilities.
- Level 2 inputs other than quoted prices included in Level 1 that are observable for the assets or liabilities, either directly or indirectly.
- Level 3 inputs for the assets or liabilities that are not based on observable market data.

If the inputs used to measure the fair value of an asset or a liability might be categorized in different levels of the fair value hierarchy, then the fair value measurement is categorized in its entirety in the same level of the fair value hierarchy as the lowest level input that is significant to the entire measurement. The Company recognizes transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

Further information about the assumptions made in measuring fair value is included in note 20.

3. Summary of Significant Accounting Policies

Except as described in K-IFRS No. 1034 "*Interim Financial Reporting*", the accounting policies applied by the Company in these condensed separate interim financial statements are the same as those applied by the Company in its separate financial statements as of and for the year ended December 31, 2015.

4. Trade Accounts and Notes Receivable

Trade accounts and notes receivable as of June 30, 2016 and December 31, 2015 are as follows:

_	June 30, 2016	December 31, 2015
₩	2,802,529	2,749,056
	(29,126)	(8,952)
₩	2,773,403	2,740,104
_		
₩	26,377	30,034
	(7,112)	(7,852)
	(2,287)	(2,287)
₩	16,978	19,895
	₩ _ ₩ _	 ₩ 2,802,529 (29,126) ₩ 2,773,403 ₩ 26,377 (7,112) (2,287)

The trade accounts and notes receivable sold to financial institutions, for which the derecognition conditions were not met, amounted to W70,355 million as of June 30, 2016. The fair value of trade accounts and notes receivable approximates the carrying amounts and trade accounts and notes receivable are included in short-term borrowings from financial institutions (Note 14).

5. Other Receivables

Other receivables as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Current			
Other accounts receivable	₩	191,979	233,415
Others		12,535	13,341
Less: Allowance for doubtful accounts		(626)	(325)
	₩	203,888	246,431
Non-current	_		
Long-term loans	₩	25,403	24,293
Long-term other accounts receivable		73,926	66,541
Others		2,901	2,923
	₩	102,230	93,757

6. Other Financial Assets

(a) Other financial assets as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Current			
Short term derivatives assets held for trading	₩	14,207	12,591
Available-for-sale securities (bonds)		15,000	15,000
Short-term financial instruments(*1)		4,044,276	3,291,828
Cash deposits(*2)		7,929	6,593
	₩	4,081,412	3,326,012
Non-current			
Long-term derivatives assets held for trading	₩	30,546	78,292
Available-for-sale securities (equity instruments)		1,686,596	1,723,082
Available-for-sale securities (others)		6,276	2,967
Cash deposits(*3)		32	33
	₩	1,723,450	1,804,374

(*1) Short-term financial instruments amounting to W1,384 million are levied in relation to pending litigations as of June 30, 2016 and December 31, 2015.

- (*2) Deposits amounting to W7,929 million and W6,593 million as of June 30, 2016 and December 31, 2015, respectively, are restricted in relation to government assigned project.
- (*3) The Company is required to provide deposits to maintain checking accounts and accordingly the withdrawal of these deposits is restricted.

(b) Available-for-sale equity securities as of June 30, 2016 and December 31, 2015 are as follows:

December 21

(in millions of Won)

(in millions of Won)					June	30, 2016			December 31, 2015
	Number of shares	Ownershi (%)	р	Acquisition cost	Fair value	Net changes in fair value of available- for-sale investments	Accumulated impairment loss	Book value	Book value
Marketable equity securities							·		
Hana Financial group Inc.	2,430,498	0.82	₩	15,633	56,509	40,876	-	56,509	57,359
Nippon Steel & Sumitomo Metal									
Corporation(*1)	23,835,200	2.51		719,622	528,367	-	(191,255)	528,367	559,740
Hyundai Heavy Industries Co., Ltd.	1,477,000	1.94		343,506	155,824	26,143	(213,825)	155,824	129,681
Shinhan Financial group Inc.	4,369,881	0.92		228,778	166,055	43,419	(106,142)	166,055	172,829
KB Financial group Inc.(*1)	11,590,550	3.00		536,517	377,852	8,693	(167,358)	377,852	384,227
Seoul Semiconductor Co., Ltd.	591,000	1.01		24,999	8,776	384	(16,607)	8,776	9,279
SAMWONSTEEL Co., Ltd.	5,700,000	14.25		8,930	19,922	17,395	(6,403)	19,922	20,748
Others (10 companies)(*1)				92,109	75,151	24,691	(41,649)	75,151	60,617
				1,970,094	1,388,456	161,601	(743,239)	1,388,456	1,394,480
Non-marketable equity securities									
Congonhas Minerios S.A.(*3)	3,658,394	2.02		221,535	190,723	(30,812)	-	190,723	221,535
Poongsan Special Metal Corp.(*4)	315,790	5.00		7,657	7,657	-	-	7,657	7,657
Intellectual Discovery(*2)	1,000,000	8.81		5,000	1,350	-	(3,650)	1,350	5,000
Others (40 companies)(*2,4)				236,477	98,410	250	(138,317)	98,410	94,410
				470,669	298,140	(30,562)	(141,967)	298,140	328,602
			₩	2,440,763	1,686,596	131,039	(885,206)	1,686,596	1,723,082

- (*1) The Company has recognized W191,255 million, W15,068 million, W1,152 million of impairment loss on securities of Nippon Steel & Sumitomo Metal Corporation, KB Financial Group Inc. and Steel Flower Co., Ltd., respectively, due to prolonged decline in the fair value of these securities during the period ended June 30, 2016.
- (*2) The Company has recognized W5,286 million, W3,650 million and W2,426 million of impairment loss on securities of Troika Foreign Resource Development Fund, Intellectual Discovery and Miju Steel MFG Co., Ltd., respectively due to significant decline in the fair value of these securities during the period ended June 30, 2016.
- (*3) Fair value is based on an analysis performed by an external professional evaluation agency.
- (*4) Non-marketable equity securities whose fair values cannot be reliably measured are recorded at cost.

7. Inventories

Inventories as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Finished goods	₩	564,744	717,320
Semi-finished goods		789,486	964,062
By-products		4,630	5,983
Raw materials		659,486	656,117
Fuel and materials		547,858	523,796
Materials-in-transit		483,460	574,409
Others		550	578
		3,050,214	3,442,265
Less: Allowance for inventories valuation		(4,013)	(15,254)
	₩	3,046,201	3,427,011

The amount of loss on valuation of inventories recognized within cost of sales during the six-month period ended June 30, 2016 and the year ended December 31, 2015 were W4,013 million and W15,254 million, respectively.

8. Assets Held for Sale

Assets held for sale as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Property, plant and equipment(*1)	₩	25,892	25,892
Investments in associates(*2)		159,977	-
	₩	185,869	25,892

- (*1) During the year ended December 31, 2015, the Company determined to exchange 1FINEX facilities with the shares of newly established company in India, and has signed in Memorandum of Agreement (MOA) with Uttam Galva Steels Limited in India. The Company has classified the related facilities of W25,892 million as assets held for sale.
- (*2) As of June 30, 2016, the Company determined the security of SeAH Changwon Integrated Special Steel would be highly probable to be sold. The Company classified the relating investment in associates amounting to W159,977 million as assets held for sale.

9. Investments in Subsidiaries, Associates and Joint ventures

(a) Details of subsidiaries and carrying amounts as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)			Ju	ne 30, 2	2016	December 31, 2015
	Country	Principal operations	Ownership (%)	Book value	Book value
[Domestic]						
POSCO DAEWOO Corporation (formerly, Daewoo International						
Corporation)(*1)	Korea	Trading	60.31	₩	3,371,481	3,371,481
POSCO ENGINEERING &		Ũ				
CONSTRUCTION., LTD.	Korea	Engineering and construction	52.80		1,014,314	1,014,314
POSCO Green Gas						
Technology(*2)	Korea	Gas production and sales	-		-	682.600
POSCO ENERGY CO., LTD.	Korea	Power generation	89.02		658,176	658,176
POSCO Processing&Service	Korea	Steel sales and trading	96.01		624,678	624,678
POSCO COATED & COLOR	Korea	Coated steel manufacturing				
STEEL Co., Ltd.		and sales	56.87		108,421	108,421
POSCO Capital Co., Ltd.	Korea	Investment in				
		venture companies	95.00		103,780	103,780
POSCO CHEMTECH	Korea	Refractory manufacturing and sales	60.00		100,535	100,535
POSMATE	Korea	Business facility maintenance	57.25		73,374	73,374
POSCO ICT	Korea	Computer hardware				
		and software distribution	65.38		70,990	70,990
POSCO M-TECH(*3)	Korea	Packing materials manufacturing				
		and sales	48.85		53,651	53,651
POSCO Family Strategy Fund	Korea	Investment in venture companies	69.90		45,273	45,273
Busan E&E Co,. Ltd.(*4)	Korea	Municipal solid waste fuel				
		and power generation	70.00		30,148	30,148
Others (9 companies)					159,755	162,547
				₩_	6,414,576	7,099,968

(in millions of Won)				ne 30,	2016	December 31, 2015
	Country	Principal operations	Ownership (%))	Book value	Book value
[Foreign]						
PT. KRAKATAU POSCO	Indonesia	Steel manufacturing and sales	70.00	₩	813,431	813,431
POSCO WA PTY LTD	Australia	Iron ore sales				
		and mine development	100.00		624,658	623,258
POSCO Maharashtra						
Steel Private Limited	India	Steel manufacturing and sales	100.00		601,800	536,860
POSCO AUSTRALIA PTY LTD	Australia	Iron ore sales			,	,
		and mine development	100.00		330.623	330.623
Zhangjiagang Pohang	China	Stainless steel manufacturing				,
Stainless Steel Co., Ltd.		and sales	58.60		283.845	283,845
POSCO Thainox	Thailand	Stainless steel manufacturing	00.00		200,010	200,010
Public Company Limited(*5)	manaria	and sales	84.93		249.340	251,812
POSCO SS-VINA	Vietnam	Steel manufacturing and sales	100.00		241,426	241,426
POSCO-China Holding Corp.	China	Investment management	100.00		240,430	240,430
POSCO-India Private Limited	India	Steel manufacturing and sales	99.99		184,815	184,815
POSCO MEXICO S.A. DE C.V.(*6)	Mexico	Plate steel manufacturing and sales	84.84		180,072	180,069
POSCO America Corporation	USA	Steel trading	99.45		167,285	167,285
POSCO-VIETNAM Co., Ltd.	Vietnam	Steel manufacturing	100.00		160,572	160,572
POSCO-VIETNAM CO., Ltd. POSCO VST CO., LTD.	Vietnam	Stainless steel manufacturing	100.00		100,572	100,572
PUSCO VST CO., LTD.	vietnam	and sales			144 570	144 570
		and sales	95.65		144,573	144,573
POSCO(Guangdong) Automotive			00.04		100 75 1	100 751
Steel Co., Ltd.	China	Plate steel manufacturing and sales	83.64		130,751	130,751
POSCO COATED STEEL			100.00		101 500	101 500
(THAILAND) CO., LTD.	Thailand	Plate steel manufacturing and sales	100.00		121,592	121,592
POSCO Asia Co., Ltd.(*7)	Hong Kong	Steel and raw material trading	100.00		117,710	32,189
POSCO ASSAN TST						
STEEL INDUSTRY	Turkey	Steel manufacturing and sales	60.00		92,800	92,800
POSCO Investment Co., Ltd.(*7)	Hong Kong	Finance	-		-	85,521
POSCO JAPAN Co., Ltd.	Japan	Steel trading	100.00		68,436	68,436
Qingdao Pohang						
Stainless Steel Co., Ltd.	China	Stainless steel manufacturing	70.00		65,982	65,982
POSCO(Suzhou) Automotive						
Processing Center Co., Ltd.	China	Steel manufacturing and sales	90.00		62,494	62,494
POSCO Electrical Steel	India	Electrical steel				
India Private Limited		processing and sales	100.00		57,119	57,119
POSCO AFRICA						
(PROPRIETARY) LIMITED	South Africa	Trading	100.00		50,297	50,297
POSCO-Malaysia SDN. BHD.	Malaysia	Steel manufacturing and sales	81.79		45,479	45,479
POSCO China Dalian	China	Heavy plate processing				
Plate Processing Center Co., Ltd.		and sales	80.00		32,992	32,992
POSCO(Guangdong) Steel Co., Ltd.	China	Plate steel sheet				
		manufacturing and sales	87.04		31,299	31,299
Others (31 companies)(*6)				_	366,121	366,124
				_	5,465,942	5,402,074
				₩	11,880,518	12,502,042

- (*1) Daewoo International Corporation was renamed POSCO DAEWOO Corporation.
- (*2) The Company merged with POSCO Green Gas Technology on the acquisition date of May 1, 2016. (Note 34)
- (*3) POSCO M-TECH was classified as an investment in a subsidiary as the Company has more than half of the voting rights by virtue of an agreement with Pohang University of Science and Technology, which has 4.72% of ownership in POSCO M-TECH.
- (*4) As of June 30, 2016, and December 31, 2015 the investments in subsidiaries amounting to W30,148 million were provided as collateral in relation to the loan agreements of Busan E&E Co., Ltd.
- (*5) As of June 30, 2016, there is objective evidence of impairment due to the prolonged decline in the fair value of POSCO Thainox Public Company Limited below its cost. Recoverable amount was determined based on fair value less cost to sell, which was calculated by adding 18% of management premium and expected disposal cost on the stock price as of June 30, 2016. As a result, the Company recognized an impairment loss of W2,472 million as carrying amount was higher than its recoverable amount.

- (*6) During the period ended June 30, 2016, POSCO MEXICO S.A. DE C.V. merged with POSCO MEXICO HUMANTECH S.A de C.V
- (*7) During the period ended June 30, 2016, POSCO Asia Co., Ltd. merged with POSCO Investment Co., Ltd.
- (b) Details of associates and carrying amounts as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)			Ju	1e 30, 2	2016	December 31, 2015
	Country	Principal operations	Ownership (%		Book value	Book value
[Domestic]						
EQP POSCO Global NO1						
Natural Resources PEF	Korea	Mine investment	27.40	₩	169,316	169,106
SeAH Changwon Integrated Special Steel(*1)	Korea	Specialty steel				
		manufacturing and sales	19.94		-	159,978
POSCO PLANTEC Co., Ltd.(*2)	Korea	Other structural metal				
		product manufacturing	60.84		108,936	140,890
SNNC Co., Ltd.	Korea	STS material Manufacturing				
		and sales	49.00		100,655	100,655
Others (6 companies)					27,442	23,746
					406,349	594,375
[Foreign]						
Nickel Mining Company SAS	New	Raw material manufacturing				
	Caledonia	and sales	49.00		189,197	189,197
7623704 Canada Inc.(*3)	Canada	Mine investment	10.40		124,341	124,341
Zhongyue POSCO (Qinhuangdao)		Tinplate manufacturing				
Tinplate Industrial Co., Ltd	China	and sales	24.00		11,003	11,003
Others (4 companies)					25,583	29,090
·				_	350,124	353,631
				₩	756,473	948,006

- (*1) As of June 30, 2016, the Company classified the security of SeAH Changwon Integrated Special Steel as assets held for sale. (Note 8)
- (*2) During the six-month period ended June 30, 2016, there was objective evidence of impairment due to the prolonged decline at fair value of POSCO PLANTEC Co., Ltd, and, accordingly, the impairment test was performed. Recoverable amount was determined based on value-in-use, which was calculated by applying 7.4% discount rate. As a result, the Company recognized an impairment loss of W31,954 million as the carrying amount was higher than its recoverable amount.
- (*3) As of June 30, 2016, it was classified as an associate even though the Company's ownership percentage is less than 20% of ownership since the Company has significant influence over the investee when considering its structure of the Board of Directors and others.

(c) Details of joint ventures and carrying amounts as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)			Ju	ine 30, 2	2016	December 31, 2015
	Country	Principal operations	Ownership (%	6)	Book value	Book value
Roy Hill Holdings Pty Ltd(*1) CSP - Compania	Australia	Mine development Steel manufacturing	10.00	₩	1,225,464	1,225,464
Siderurgica do Pecem	Brazil	and sales	20.00		562,037	488,200
POSCO-NPS Niobium LLC	USA	Mine development	50.00		364,609	364,609
KOBRASCO	Brazil	Facilities lease	50.00		98,962	98,962
Others (4 companies)					110,004	110,004
				₩	2,361,076	2,287,239

(*1) As of June 30, 2016 and December 31, 2015, the investments in joint ventures amounting to W1,225,464 million were provided as collateral in relation to loans from project financing of Roy Hill Holdings Pty Ltd.

10. Investment Property, Net

Changes in the carrying amount of investment property for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

(a) For the six-month period ended June 30, 2016

(in millions of Won)		Beginning	Depreciation(*1)	Transfer(*2)	Ending	
Land	₩	35,557	-	5,837	41,394	
Buildings		47,399	(1,222)	11,069	57,246	
Structures		3,796	(82)	2,880	6,594	
	₩	86,752	(1,304)	19,786	105,234	

(*1) The useful life and depreciation method of investment property are identical to those of property, plant and equipment.

(*2) Mainly includes assets transferred from property, plant and equipment in relation to change in rental ratio and the purpose of use.

(in millions of Won) Beginning		Beginning	Acquisitions	Depreciation(*1)	Transfer(*2)	Ending
Land	₩	36,020	-	-	(463)	35,557
Buildings		50,112	346	(2,382)	(677)	47,399
Structures		4,005	-	(164)	(45)	3,796
	W	90,137	346	(2,546)	(1,185)	86,752

(b) For the year ended December 31, 2015

(*1) The useful life and depreciation method of investment property are identical to those of property, plant and equipment.

(*2) Mainly includes assets transferred from property, plant and equipment in relation to change in rental ratio and the purpose of use.

11. Property, Plant and Equipment, Net

Changes in the carrying amount of property, plant and equipment for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

(a) For the six-month period ended June 30, 2016

				Business				
(in millions of Won)		Beginning	Acquisitions	combination	Disposals	Depreciation	Others(*1)	Ending
Land	₩	1,412,715	52	10,273	(118)	-	(5,942)	1,416,980
Buildings		2,566,168	1,334	70,641	(1,567)	(116,500)	9,278	2,529,354
Structures		2,519,866	11,659	8,630	(21)	(94,723)	70,356	2,515,767
Machinery and equipment		14,014,079	110,637	146,466	(11,039)	(791,760)	496,717	13,965,100
Vehicles		11,623	568	39	-	(3,170)	5,201	14,261
Tools		23,720	938	289	-	(5,229)	952	20,670
Furniture and fixtures		31,820	4,282	237	(19)	(4,808)	205	31,717
Finance lease assets		5,733	76,581	-	-	(1,595)	-	80,719
Construction-in-progress		928,426	545,991	1,031,906	-	-	(598,497)	1,907,826
	₩	21,514,150	752,042	1,268,481	(12,764)	(1,017,785)	(21,730)	22,482,394

(*1) Includes assets transferred from construction-in-progress, reclassification of investment property, intangible assets, inventories and others.

(b) For the year ended December 31, 2015

(in millions of Won)		Beginning	Acquisitions	Disposals	Depreciation	Impairment(*1)	Others(*2)	Ending
Land	₩	1,420,994	-	(3,869)	-	-	(4,410)	1,412,715
Buildings		2,760,842	3,350	(4,544)	(243,678)	(7,926)	58,124	2,566,168
Structures		2,612,553	4,339	(2,826)	(192,301)	(473)	98,574	2,519,866
Machinery and equipment		14,503,266	76,768	(45,843)	(1,593,413)	(59,485)	1,132,786	14,014,079
Vehicles		12,953	1,669	-	(6,302)	-	3,303	11,623
Tools		23,324	6,824	(15)	(11,091)	-	4,678	23,720
Furniture and fixtures		37,584	3,934	(23)	(15,553)	(18)	5,896	31,820
Finance lease assets		6,370	-	-	(637)	-	-	5,733
Construction-in-progress		945,329	1,436,840	-	-	(2,772)	(1,450,971)	928,426
	₩	22,323,215	1,533,724	(57,120)	(2,062,975)	(70,674)	(152,020)	21,514,150

- (*1) The Company has recognized an impairment loss since recoverable amounts on magnesium smelting plant in Gangneung and facilities which are related to the project for replacement deteriorated hot-rolling mill (1st and 2nd) in Pohang and electric furnace of high mill (1st) in Pohang are less than their carrying amounts for the year ended December 31, 2015.
- (*2) Includes assets transferred from construction-in-progress, reclassification of investment property, intangible assets, assets held-for-sale and others.

12. Intangible Assets, Net

Changes in the carrying amount of intangible assets for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

(a) For the six-month period ended June 30, 2016

(in millions of Won)				Business					
	_	Beginning	Acquisitions	Combination	Disposals	Amortization	Impairment(*2)	Transfer(*3)	Ending
Intellectual property rights	₩	19,997	8	-	-	(1,646)	-	2,652	21,011
Membership(*1)		52,058	-	-	(2,008)	-	407	(1,669)	48,788
Development expense		98,038	21,052	23,033	-	(24,797)	-	3,222	120,548
Port facilities usage rights		265,575	-	-	-	(7,521)	-	-	258,054
Construction-in-progress		31,951	11,014	-	-	-	-	(25,581)	17,384
Other intangible assets		23,143	5,787	235	(488)	(3,147)	-	181	25,711
	₩	490,762	37,861	23,268	(2,496)	(37,111)	407	(21,195)	491,496

(*1) Economic useful life of memberships is indefinite.

- (*2) The Company has recognized an impairment loss on some membership since the recoverable amounts were less than carrying amounts. Also the Company reversed the accumulated impairment loss up to the carrying amount before recognition of any impairment loss since recoverable amounts of some memberships exceeded the carrying amounts.
- (*3) Includes assets transferred from construction-in-progress, reclassification of property, plant and equipment, and others.

(b) For the year ended December 31, 2015

(in millions of Won)	_	Beginning	Acquisitions	Disposals	Amortization	Impairment(*2)	Transfer(*3)	Ending
Intellectual property rights	₩	17,594	-	(126)	(2,829)	-	5,358	19,997
Membership(*1)		53,154	2,861	(3,680)	-	(11)	(266)	52,058
Development expense		127,941	1,172	-	(48,154)	-	17,079	98,038
Port facilities usage rights		162,028	-	-	(12,006)	-	115,553	265,575
Construction-in-progress		16,756	36,863	-	-	-	(21,668)	31,951
Other intangible assets		26,434	2,422	-	(7,753)	-	2,040	23,143
	₩	403,907	43,318	(3,806)	(70,742)	(11)	118,096	490,762

- (*1) Economic useful life of membership is indefinite.
- (*2) The Company has recognized an impairment loss on some membership since the recoverable amounts were less than carrying amounts.
- (*3) Includes assets transferred from construction-in-progress, reclassification of property, plant and equipment, and others.

13. Other Assets

Other assets as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Current	—		
Advance payments	\mathbf{W}	12,280	7,912
Prepaid expenses		19,522	19,722
Others		449	449
	\mathbf{W}	32,251	28,083
Non-current	_		
Long-term prepaid expenses	\mathbf{W}	5,989	6,215
Others(*1)		119,422	128,578
	₩ _	125,411	134,793

(*1) As of June 30, 2016 and December 31, 2015, the Company recognized tax assets amounting to W115,571 million and W124,787 million, respectively, based on the Company's best estimate of the tax amounts to be refunded when the result of the Company's appeal in connection with the additional income tax payment for prior years as a result of tax audits that were finalized in 2014 and claim for rectification are finalized.

14. Borrowings

(a) Borrowings as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Short-term borrowings	-		
Short-term borrowings	₩	270,355	-
Current portion of long-term borrowings		124,867	126,579
Current portion of loans from foreign financial institutions		405	401
Current portion of debentures		1,091,690	1,859,610
Less: Current portion of discount on debentures issued		(235)	(868)
	₩	1,487,082	1,985,722
Long-term borrowings	=		
Long-term borrowings	₩	69,690	141,868
Loans from foreign financial institutions		-	200
Debentures		3,753,263	3,175,406
Less: Discount on debentures issued		(14,670)	(14,369)
	₩	3,808,283	3,303,105

(b) Short-term borrowings as of June 30, 2016 and December 31, 2015 are as follows:

Lenders	Lenders	Insurance date	Maturity date	Annual Interest rate (%)	June 30, 2016	December 31, 2015
Short-term borrowings	Korea Development Bank	2016.04.08	2017.04.10	2.00	₩	200,000	_
Transfers of account receivables that do not qualify for derecognition	_	-	_	-		70,355	-
					₩	270,355	

(c) Current portion of long-term borrowings as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	L	lssuance date	Maturity date	Annual interest rate (%	`	1	D
	Lenders	uate	uate	Interest rate (%	<u> </u>	June 30, 2016	December 31, 2015
Borrowings	Woori Bank and others	2006.10.31~	2017.03.15~				
		2011.04.28	2024.06.15	0.75 ~ 1.75	₩	14,511	15,532
Borrowings	Export-Import Bank	2010.02.18~	2017.02.18~				
	of Korea	2010.07.26	2017.07.26	4.09 ~ 4.50		110,356	111,047
Loans from foreign							
financial institutions(*1)	NATIXIS	1986.03.31	2017.03.31	2.00		405	401
Debentures	Domestic debentures	2011.09.07	2016.09.07	3.78		499,915	1,299,507
Debentures	Euro Bond 1st and others	2006.08.10~	2016.08.10~				
		2013.1211	2016.12.08	0.93 ~ 5.88		591,540	559,235
					₩	1,216,727	1,985,722

(*1) Korea Development Bank has provided guarantees to the Company for loans from foreign financial institutions.

(d) Long-term borrowings excluding current portion, as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	Lenders	lssuance date	Maturity date	Annual interest rate (%)		June 30, 2016	December 31, 2015
Borrowings	Woori Bank and others	2006.10.31~	2018.03.15~				
		2011.04.28	2024.06.15	0.75 ~ 1.75	₩	29,776	36,522
Borrowings	Korea National	2007.12.27~	2022.06.25~	3 year			
	Oil Corporation	2009.12.29	2024.12.29	Government bond		4,784	14,472
Borrowings	Export-Import Bank	2012.03.29~					
	of Korea	2013.07.03	2017.07.26	4.09		35,130	90,874
Loans from foreign							
financial institutions	-	-	-	-		-	200
Debentures	Domestic debentures 304-1	2011.11.28~	2018.10.04~				
	and others	2016.05.03	2023.10.04	1.76 ~ 4.12		1,496,547	997,745
Debentures	Samurai Bond 13	2010.10.28~	2018.12.10~				
	and others	2013.12.11	2021.12.22	1.35 ~ 5.25	_	2,242,046	2,163,292
					₩	3,808,283	3,303,105

15. Other Payables

Other payables as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Current	-		
Accounts payable	\mathbf{W}	355,775	546,884
Accrued expenses		377,677	380,383
Dividend payable		9,718	9,882
Finance lease liabilities		4,909	1,349
Withholdings		8,842	8,237
	\mathbf{W}	756,921	946,735
Non-current	_		
Long-term accounts payable	\mathbf{W}	1,887	-
Long-term accrued expenses		30,521	26,250
Finance lease liabilities		74,567	2,889
Long-term withholdings		8,674	8,517
	₩	115,649	37,656

16. Other Financial Liabilities

Other financial liabilities as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Current			
Derivative liabilities	₩	3,252	8,118
Financial guarantee liabilities		16,666	17,558
	₩	19,918	25,676
Non-current Financial guarantee liabilities	₩	76,205	81,496

17. Provisions

(a) Provisions as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30), 2016	December 31, 2015		
		Current	Non-current	Current	Non-current	
Provision for bonus payments(*1)	₩	4,573	-	7,271	-	
Provision for restoration(*2)		14,853	18,432	15,569	21,543	
Provision for litigation(*3)		-	411	-	411	
	₩	19,426	18,843	22,840	21,954	

(*1) Represents the provision for bonuses limited to 100% of annual salaries for executives.

- (*2) Due to contamination of land near the Company's magnesium smelting plant located in Gangneung province, a provision has been recognized with a present value of estimated costs for recovery. In order to compute the estimated costs, the Company has assumed that it would use all of technologies and materials available for now to recover the land. In addition, the Company has applied a discount rate of 2.03% to assess present value of these costs.
- (*3) The Company has recognized provisions for certain litigations as of June 30, 2016.
- (b) Changes in provisions for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

1) For the six-month period ended June 30, 2016

(in millions of Won)		Beginning	Increase	Utilization	Ending
Provision for bonus payments	₩	7,271	3,950	(6,648)	4,573
Provision for restoration		37,112	511	(4,338)	33,285
Provision for litigation		411	-	-	411
	₩	44,794	4,461	(10,986)	38,269

2) For the year ended December 31, 2015

(in millions of Won)	_	Beginning	Increase	Utilization	Ending
Provision for bonus payments	₩	8,423	13,233	(14,385)	7,271
Provision for restoration		70,399	2,174	(35,461)	37,112
Provision for litigation		411	-	-	411
	₩	79,233	15,407	(49,846)	44,794

18. Employee Benefits

(a) Defined contribution plans

The expense related to post-employment benefit plans under defined contribution plans for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)	Fo	For the three-month periods ended June 30		For the six-month periods ended June 30	
		2016	2015	2016	2015
Expense related to post-employment benefit plans					
under defined contribution plans	₩	5,247	4,705	11,118	10,518

(b) Defined benefit plans

1) The amount recognized in relation to net defined benefit liabilities in the statement of financial position as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Present value of funded obligations	\mathbf{W}	1,108,423	1,023,071
Fair value of plan assets		(1,079,960)	(1,012,599)
Net defined benefit liabilities	₩	28,463	10,472

2) Changes in present value of defined benefit obligations for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Defined benefit obligation at the beginning of period	₩	1,023,071	1,017,164
Current service costs		57,016	118,770
Interest costs		12,068	29,743
Remeasurement		61,790	(58,397)
Transfer-in		-	283
Business combination		1,133	-
Benefits paid		(46,655)	(84,492)
Defined benefit obligation at the end of period	₩	1,108,423	1,023,071

3) Changes in the fair value of plan assets for the six-month period ended June 30, 2016 and the year ended December 31, 2015 were as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Fair value of plan assets at the beginning of period	₩	1,012,599	931,006
Interest on plan assets		13,130	29,330
Remeasurement of plan assets		(2,383)	(7,064)
Contributions to plan assets		95,049	128,000
Transfer-in		-	283
Business combination		244	-
Benefits paid		(38,679)	(68,956)
Fair value of plan assets at the end of period	₩	1,079,960	1,012,599

4) The amounts recognized in the statements of comprehensive income for the threemonth and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)		For the three-m ended J	-	For the six-month periods ended June 30		
	_	2016	2015	2016	2015	
Current service costs	₩	28,459	29,118	57,016	61,673	
Net interest costs		(532)	103	(1,062)	206	
	₩	27,927	29,221	55,954	61,879	

19. Other Liabilities

Other liabilities as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Current			
Advances received	\mathbf{W}	8,525	8,811
Withholding		24,184	20,847
Unearned revenue		2,079	1,623
	₩ _	34,788	31,281
Non-current			
Unearned revenue	₩	16,097	16,623

20. Financial Instruments

(a) Classification of financial instruments

1) Financial assets as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Financial assets at fair value through profit or loss			
Derivatives assets	₩	44,753	90,883
Available-for-sale financial assets		1,707,872	1,741,049
Loans and receivables		8,302,866	7,954,222
	₩	10,055,491	9,786,154

2) Financial liabilities as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Financial liabilities at fair value through profit or loss Derivatives liabilities	₩	3,252	8,118
Financial liabilities measured at amortized cost			
Trade accounts and notes payable		719,751	577,856
Borrowings		5,295,365	5,288,827
Financial guarantee liabilities(*1)		92,871	99,054
Others		833,151	978,648
		6,941,138	6,944,385
	₩_	6,944,390	6,952,503

(*1) Financial liabilities were recognized in connection with financial guarantee contracts as of June 30, 2016. The details of the amount of guarantees provided are as follows:

(in millions of Won)			Guarante	e limit		Guarantee	amount
Guarantee beneficiary	Financial institution	For	eign currency	Won equivalent	For	eign currency	Won equivalent
POSCO(Guangdong)	SMBC	USD	35,000,000	40,765	USD	35,000,000	40,765
Automotive Steel Co., Ltd.	BOA	USD	30,000,000	34,941	USD	30,000,000	34,941
Zhangjiagang Pohang	Korea Development Bank	CNY	324,455,000	56,673	CNY	324,455,000	56,673
Stainless Steel Co., Ltd.	Credit Agricole	CNY	305,000,000	53,274	CNY	305,000,000	53,274
	BTMU	CNY	260,500,000	45,502	CNY	260,500,000	45,502
	SMBC	CNY	195,000,000	34,061	CNY	195,000,000	34,061
POSCO Maharashtra	Export-Import Bank of Korea	USD	193,000,000	224,787	USD	150,500,000	175,287
Steel Private Limited	HSBC	USD	110,000,000	128,117	USD	79,000,000	92,011
	DBS	USD	100,000,000	116,470	USD	80,000,000	93,176
	SCB Citi	USD USD	73,069,000	85,103	USD USD	46,455,200 39,000,000	54,106 45,423
	ING	USD	60,000,000 30,000,000	69,882 34,941	USD		
POSCO ASSAN TST	SMBC	USD	62,527,500	72,826	USD	15,000,000 56,274,750	17,471 65,543
STEEL INDUSTRY	ING	USD	60,000,000	69,882	USD	54,000,000	62,894
STEELINDOSTIT	BNP	USD	24,000,000	27,953	USD	21,600,000	25,158
POSCO Electrical Steel	ING	USD	50,000,000	58,235	USD	50,000,000	58,235
India Private Limited	SCB	USD	33,784,000	39,348	USD	33,784,000	39,348
POSCO Asia Co., Ltd.	HSBC	USD	50,000,000	58,235	USD	50,000,000	58,235
	MIZUHO	USD	50,000,000	58,235	USD	50,000,000	58,235
	NAB	USD	50,000,000	58,235	USD	50,000,000	58,235
POSCO MEXICO S.A. DE C.V.	SMBC	USD	109,725,000	127,797	USD	80,114,323	93,309
	Korea Development Bank	USD	50,000,000	58,235	USD	20,226,916	23,558
	MIZUHO	USD	45,000,000	52,412	USD	18,203,004	21,201
	BOA	USD	40,000,000	46,588	USD	16,180,757	18,846
	HSBC	USD	40,000,000	46,588	USD	40,000,000	46,588
POSCO SS-VINA	Export-Import Bank of Korea	USD	249,951,050	291,118	USD	249,951,050	291,118
	BOA	USD	40,000,000	46,588	USD	40,000,000	46,588
	BTMU	USD	40,000,000	46,588	USD	40,000,000	46,588
	DBS	USD	24,400,000	28,419	USD	24,400,000	28,419
POSCO-VIETNAM Co., Ltd.	Export-Import Bank of Korea	USD	196,000,000	228,281	USD	196,000,000	228,281
POSCO VST CO., LTD.	ANZ	USD	25,000,000	29,118	USD	12,500,000	14,559
	HSBC MIZUHO	USD USD	20,000,000	23,294	USD USD	10,000,000	11,647
PT. KRAKATAU POSCO	Export-Import Bank of Korea	USD	20,000,000 567,000,000	23,294 660,385	USD	10,000,000 515,176,565	11,647 600,026
11. KHAKATAO 1 0300	SMBC	USD	140,000,000	163,058	USD	127,393,609	148,375
	BTMU	USD	119,000,000	138,599	USD	106,582,609	124,137
	SCB	USD	107,800,000	125,555	USD	98,553,609	114,785
	MIZUHO	USD	105,000,000	122,294	USD	94,043,478	109,532
	Credit Suisse AG	USD	91,000,000	105,988	USD	81,504,348	94,928
	HSBC	USD	91,000,000	105,988	USD	81,504,348	94,928
	ANZ	USD	73,500,000	85,605	USD	67,832,738	79,005
	BOA	USD	35,000,000	40,765	USD	31,347,826	36,511
	The Tokyo Star Bank, Ltd	USD	21,000,000	24,459	USD	18,808,695	21,906
POSCO COATED STEEL							
(THAILAND) CO., LTD.	The Great & Co.	THB	5,501,000,000	182,358	THB	5,501,000,000	182,358
LLP POSUK Titanium	KB Bank	USD	15,000,000	17,471	USD	15,000,000	17,471
CSP - Compania	Export-Import Bank of Korea	USD	182,000,000	211,975	USD	175,719,959	204,661
Siderurgica do Pecem	Santander BNP	USD USD	47,600,000 47,600,000	55,440	USD USD	45,939,397	53,506
	MIZUHO	USD	47,600,000	55,440 55,440	USD	45,939,397 45,939,397	53,506 53,506
	Credit Agricole	USD	20,000,000	23,294	USD	19.302.250	22,481
	SOCIETE GENERALE	USD	20,000,000	23,294	USD	19,302,250	22,481
	KfW	USD	20,000,000	23,294	USD	19,302,250	22,481
	BBVA Seoul	USD	17,600,000	20,499	USD	16,986,022	19,784
	ING	USD	17,600,000	20,499	USD	16,986,022	19,784
	BNDES	BRL	464,060,000	166,806	BRL	348,349,782	125,214
		USD	3,696,756,550	4,305,617	USD	3,241,354,769	3,775,206
		CNY	1,084,955,000	189,510	CNY	1,084,955,000	189,510
		THB	5,501,000,000	182,358	THB	5,501,000,000	182,358
		BRL	464,060,000	166,806	BRL	348,349,782	125,214

- 3) Finance income and costs by category of financial instrument for the six-month periods ended June 30, 2016 and 2015 were as follows:
 - ① For the six-month period ended June 30, 2016

(in millions of Won)	Finance income and costs							
	Interest income (expense)	Dividend income(*1)	Gain and loss on foreign currency	Gain and loss on disposal	Impairment loss	Others	Total	comprehensive income
Financial assets at fair value through profit or loss	4		_			(46,130)	(46,130)	
Available-for-sale financial assets Loans and receivables	213 43,453	23,209	- 3,339	2,171	(218,837)	(313)	(193,244) 46,479	129,345
Financial liabilities at fair value through profit or loss	-	-	-	-	-	4,866	4,866	-
Financial liabilities at amortized cost	(79,739)	-	(110,519)	-	-	5,097	(185,161)	-
ŧ	√ (36,073)	23,209	(107,180)	2,171	(218,837)	(36,480)	(373,190)	129,345

- (*1) Finance income in the statement of comprehensive income includes the dividends from subsidiaries, associates and joint ventures of W109,328 million for the sixmonth period ended June 30, 2016.
- (2) For the six-month period ended June 30, 2015

(in millions of Won)	Finance income and costs									
	Ī	nterest income (expense)	Dividend income(*1)	Gain and loss on foreign currency	Gain and loss on disposal	Impairment loss	Others	Total	comprehensive income	
Financial assets at fair value	-									
through profit or loss	₩	-	-	-	(438)	-	4,947	4,509	-	
Available-for-sale financial assets		20	42,784	-	(16)	(51,956)	-	(9,168)	28,379	
Loans and receivables		41,894	-	25,248	-	-	(221)	66,921	-	
Financial liabilities at										
fair value through profit or loss		-	-	-	-	-	5,486	5,486	-	
Financial liabilities at amortized cost		(122,449)	-	(57,646)	-	-	(48)	(180,143)	-	
1	₩	(80,535)	42,784	(32,398)	(454)	(51,956)	10,164	(112,395)	28,379	

(*1) Finance income in the statement of comprehensive income includes the dividends from subsidiaries, associates and joint ventures of W265,384 million for the sixmonth period ended June 30, 2015.

- 4) Finance income and costs by category of financial instrument for the three-month periods ended June 30, 2016 and 2015 were as follows:
 - ① For the three-month period ended June 30, 2016

(in millions of Won)	Finance income and costs									
	Ī	Interest income (expense)	Dividend income(*1)	Gain and loss on foreign currency	Gain and loss on disposal	Impairment loss	Others	Total	comprehensive income	
Financial assets at fair value through profit or loss	₩	-	-	-		-	(68,097)	(68,097)	-	
Available-for-sale financial assets		36	4,422	-	2,171	(191,975)	-	(185,346)	132,926	
Loans and receivables		18,478	-	32,159	-	-	(130)	50,507	-	
Financial liabilities at										
fair value through profit or loss		-	-	-	-	-	2,997	2,997	-	
Financial liabilities at amortized cost		(35,267)	-	(106,230)	-	-	2,547	(138,950)	-	
	₩	(16,753)	4,422	(74,071)	2,171	(191,975)	(62,683)	(338,889)	132,926	

- (*1) Finance income in the statement of comprehensive income includes the dividends from subsidiaries, associates and joint ventures of ₩34,251 million for the three-month period ended June 30, 2016.
- ② For the three-month period ended June 30, 2015

(in millions of Won)	Finance income and costs									
		Interest income (expense)	Dividend income(*1)	Gain and loss on foreign currency	Gain and loss on disposal	Impairment loss	Others	Total	comprehensive income	
Financial assets at fair value through profit or loss	₩	-	-	-	-		4,790	4,790	-	
Available-for-sale financial assets Loans and receivables		11 9,249	7,269	- 14,195	(16)	(27,619)	(125)	(20,355) 23,319	267	
Financial liabilities at fair value through profit or loss		-	-	-	-	-	5,486	5,486	-	
Financial liabilities at amortized cost		(59,165)	-	(44,604)	-	-	(23)	(103,792)	-	
	₩	(49,905)	7,269	(30,409)	(16)	(27,619)	10,128	(90,552)	267	

(*1) Finance income in the statement of comprehensive income includes the dividends from subsidiaries, associates and joint ventures of W27,888 million for the three-month period ended June 30, 2015.

(b) Fair value

1) Fair value and book value

The carrying amount and the fair value of financial instruments as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	June 30	, 2016	December	31, 2015
-	Book value	Fair value	Book value	Fair value
Assets measured at fair value				
Available-for-sale financial assets(*1) \qquad \qquad	1,582,030	1,582,030	1,622,911	1,622,911
Derivatives assets(*2)	44,753	44,753	90,883	90,883
-	1,626,783	1,626,783	1,713,794	1,713,794
Assets measured at amortized cost(*3)				
Cash and cash equivalents	1,218,061	1,218,061	1,634,106	1,634,106
Trade accounts and note receivable, net	2,790,381	2,790,381	2,759,999	2,759,999
Loans and other receivables	4,294,424	4,294,424	3,560,117	3,560,117
	8,302,866	8,302,866	7,954,222	7,954,222
Liabilities measured at fair value				
Derivatives liabilities(*2)	3,252	3,252	8,118	8,118
Liabilities measured at amortized cost(*3)				
Trade accounts and notes payable	719,751	719,751	577,856	577,856
Borrowings	5,295,365	5,620,038	5,288,827	5,573,931
Financial guarantee liabilities	92,871	92,871	99,054	99,054
Others	833,151	833,151	978,648	978,648
₩_	6,941,138	7,265,811	6,944,385	7,229,489

- (*1) The fair value of available-for-sale financial assets publicly traded is measured at the closing bid price quoted at the end of the reporting period. Meanwhile, the fair value of unquoted available-for-sale financial assets is calculated using the valuation results from an external pricing service in which weighted average cost of capital of evaluated companies are used as a discount rates. Available-for-sale financial assets which are not measured at fair value are not included.
- (*2) The fair value of derivatives is measured using valuation models such as Black-Scholes model, binominal lattice model and others in which the market yields on government bonds are used as discount rates.
- (*3) The fair value of financial assets and liabilities measured at amortized cost is determined at the present value of estimated future cash flows discounted at the current market interest rate. The fair value is calculated for the disclosures in the notes. On the other hand, the Company has not performed fair value measurement for the financial assets and liabilities measured at amortized cost except borrowings since their carrying amounts approximate fair value.

2) The fair value hierarchy

The fair values of financial instruments by fair value hierarchy as of June 30, 2016 and December 31, 2015 are as follows:

① June 30, 2016

(in millions of Won)		Level 1	Level 2	Level 3	Total
Financial assets Available-for-sale financial assets	₩	1,388,457	-	193,573	1,582,030
Derivatives assets		-	23,968	20,785	44,753
	₩	1,388,457	23,968	214,358	1,626,783
Financial liabilities	_				
Derivatives liabilities	₩	-	3,252	-	3,252
② December 31, 2015					

(in millions of Won)		Level 1	Level 2	Level 3	Total
Financial assets	_				
Available-for-sale financial assets	₩	1,394,480	-	228,431	1,622,911
Derivatives assets		-	12,591	78,292	90,883
	₩	1,394,480	12,591	306,723	1,713,794
Financial liabilities					
Derivatives liabilities	₩	-	-	8,118	8,118

3) Financial risk management

The Company is exposed to credit risk, liquidity risk and market risk arising from financial assets and liabilities. The Company's financial risk management objectives and policies are consistent with those disclosed in the separate financial statements as of and for the year ended December 31, 2015.

21. Share Capital and Capital Surplus

(a) Share capital as of June 30, 2016 and December 31, 2015 are as follows:

(in Won, except share information)		June 30, 2016	December 31, 2015
Authorized shares		200,000,000	200,000,000
Par value	₩	5,000	5,000
lssued shares(*1)		87,186,835	87,186,835
Shared capital(*2)	₩	482,403,125,000	482,403,125,000

(*1) As of June 30, 2016, total shares of ADRs of 45,950,792, outstanding in overseas stock market, are equivalent to 11,487,698 shares of common stock.

(*2) As of June 30, 2016, the difference between the ending balance of common stock and the par value of issued common stock is W46,469 million due to retirement of 9,293,790 treasury stocks.

(b) Capital surplus as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)		June 30, 2016	December 31, 2015
Additional paid-in capital	₩	463,825	463,825
Gain on disposal of treasury shares		783,761	783,756
Loss from merger		(91,310)	-
	₩	1,156,276	1,247,581

22. Hybrid Bonds

Hybrid bonds classified as equity as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	Date of issue	Date of maturity	Interest rate (%)		June 30, 2016	December 31, 2015
Hybrid bond 1-1(*1)	2013-06-13	2043-06-13	4.30	₩	800,000	800,000
Hybrid bond 1-2(*1)	2013-06-13	2043-06-13	4.60		200,000	200,000
Issuance cost					(3,081)	(3,081)
				₩_	996,919	996,919

(*1) Details of hybrid bonds as of June 30, 2016 are as follows:

(in millions of Won)	Hybrid bond 1-1	Hybrid bond 1-2
Issue price	800,000	200,000
Maturity date	30 years (The Company has a right to extend the maturity date)	30 years (The Company has a right to extend the maturity date)
Interest rate	Issue date ~ 2018-06-12 : 4.30%	lssue date ~ 2023-06-12 : 4.60%
	Reset every 5 years as follows;	Reset every 10 years as follows;
	· After 5 years : return on government bond (5 years) + 1.30%	 After 10 years : return on government bond (10 years) + 1.40%
	 After 10 years : additionally + 0.25% according to Step-up 	 After 10 years : additionally + 0.25% according to Step-up
	clauses	clauses
	 After 25 years : additionally + 0.75% 	 After 30 years : additionally + 0.75%
Interest payments condition	Quarterly (Optional deferral of interest payment is available to the Company)	Quarterly (Optional deferral of interest payment is available to the Company)
Others	The Company can call the hybrid bond at year 5 and interest payment date afterwards	The Company can call the hybrid bond at year 10 and interest payment date afterwards

The interest accumulated but not paid on the hybrid bonds as of June 30, 2016 amounts to $W_{2,150}$ million.

23. Reserves

Reserves as of June 30, 2016 and December 31, 2015 are as follows:

(in millions of Won)	_	June 30, 2016	December 31, 2015
Accumulated changes in unrealized fair value			
of available-for-sale investments, net of tax	₩	99,327	(30,018)

24. Treasury Shares

As of June 30, 2016, the Company holds 7,190,644 shares of treasury stock for price stabilization and others in accordance with the Board of Director's resolution.

25. Selling and Administrative Expenses

(a) Administrative expenses

Administrative expenses for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)		For the three-n ended J	-	For the six-me ended J	•
		2016	2015	2016	2015
Wages and salaries	₩	50,751	51,815	103,651	107,423
Expenses related to post-employment benefits		7,528	6,557	16,088	16,759
Other employee benefits		13,021	11,460	25,974	25,782
Travel		3,462	3,603	6,134	6,693
Depreciation		4,136	4,947	8,161	10,045
Amortization		13,666	13,058	26,875	26,142
Rental		13,760	16,257	29,654	34,635
Repairs		2,063	2,699	3,697	4,086
Advertising		16,670	17,967	31,322	36,016
Research & development		24,806	19,215	37,503	37,909
Service fees		38,735	48,626	75,036	90,154
Supplies expense		347	1,463	4,658	2,838
Vehicles maintenance		1,550	1,690	3,160	3,485
Industry association fee		1,701	3,626	3,314	5,205
Training		5,140	6,681	8,501	7,494
Conference		922	1,388	1,909	2,812
Bad debt expenses (reversal of bad debt expenses)		18,717	(912)	20,669	(1,209)
Others		11,563	12,401	18,081	19,512
	₩_	228,538	222,541	424,387	435,781

(b) Selling expenses

Selling expenses for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)		For the three-r ended	•	For the six-me ended J	•
	-	2016	2015	2016	2015
Freight and custody expenses	₩	193,053	218,895	395,611	437,900
Operating expenses for distribution center		2,381	2,895	4,808	5,414
Sales commissions		18,688	12,691	34,551	28,235
Sales advertising		435	557	1,003	1,175
Sales promotion		1,336	1,475	2,595	2,745
Sample		256	335	606	699
Sales insurance premium		1,168	1,398	1,910	2,677
	₩_	217,317	238,246	441,084	478,845

26. Finance Income and Costs

Details of finance income and costs for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)		For the three-m ended Ju	•	For the six-mo ended Ju	-
	-	2016	2015	2016	2015
Finance income					
Interest income	₩	18,514	9,260	43,666	41,914
Dividend income		38,674	35,157	132,537	308,168
Gain on foreign currency transactions		42,570	39,714	122,220	80,811
Gain on foreign currency translations		(2,438)	11,651	38,233	23,507
Gain on valuation of derivatives		(15,770)	11,537	25,287	11,695
Gain on derivative transactions		-	-	-	67
Gain on disposals of available-for-sale investment		2,171	66	2,171	66
Financial guarantee income		2,568	-	5,135	-
	₩_	86,289	107,385	369,249	466,228
Finance costs					
Interest expenses	₩	35,267	59,165	79,739	122,449
Loss on foreign currency transactions		72,114	38,200	130,721	76,535
Loss on foreign currency translations		42,089	43,574	136,912	60,181
Loss on valuation of derivatives		49,330	1,261	66,552	1,261
Loss on derivative transactions		-	-	-	505
Impairment loss on available-for-sale investment		191,975	27,619	218,837	51,956
Others		152	230	350	352
	₩_	390,927	170,049	633,111	313,239

27. Other Non-Operating Income and Expenses

Details of other non-operating income and expenses for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)		For the three-me ended Ju	-	For the six-mo ended Ju	-
	_	2016	2015	2016	2015
Other non-operating income					
Gain on disposals of property, plant and equipment	₩	5,688	4,385	16,281	6,063
Reversal of impairment loss on intangible assets		1,838	-	1,838	-
Gain on disposals of investment					
in subsidiaries, associates and joint ventures		-	2,046	-	2,046
Gain on disposals of assets held for sale		-	50,482	-	52,165
Premium income		196	1,761	1,974	6,749
Gain on exemption of dept		9,665	-	9,665	-
Others		8,926	835	15,000	6,114
	₩	26,313	59,509	44,758	73,137
Other non-operating expenses					
Loss on disposals of property, plant and equipment	₩	31,161	24,878	55,646	44,238
Impairment loss on property, plant and equipment		-	45,859	-	46,436
Donations		1,901	6,346	15,201	20,650
Idle tangible asset expenses		969	1,282	1,901	4,735
Impairment loss on of investment					
in subsidiaries, associates and joint ventures		1,517	195,604	35,943	215,676
Loss on disposals of assets held for sale		-	-	-	20,133
Others		3,487	621	10,376	41,507
	₩	39,035	274,590	119,067	393,375

28. Expenses by Nature

Expenses that are recorded by nature as cost of sales, selling and administrative expenses and other non-operating expenses in the statements of comprehensive income for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows (excluding finance costs and income tax expense):

(in millions of Won)	For the three-n ended J		For the six-mo ended Ju	
	2016	2015	2016	2015
Changes in inventories(*1)	₹ 200,556	186,210	317,264	198,997
Raw materials and consumables used	2,868,727	3,462,381	5,801,280	7,311,241
Employee benefits expenses	389,762	367,356	786,641	744,487
Outsourced processing cost	499,463	539,360	1,004,343	1,083,317
Depreciation(*2)	513,093	515,056	1,019,089	1,022,390
Amortization	18,772	16,682	37,111	34,005
Electricity and water expenses	186,296	243,718	388,914	491,112
Service fees	56,504	61,540	107,234	115,387
Rental	17,916	20,668	38,528	44,164
Advertising	16,670	17,967	31,322	36,016
Freight and custody expenses	193,053	218,895	395,611	437,900
Sales commissions	18,688	12,691	34,551	28,235
Loss on disposals of property, plant and equipment	31,161	24,878	55,646	44,238
Impairment loss on property, plant and equipment	-	45,859	-	46,436
Impairment loss on investments				
in subsidiaries, associates and joint ventures	1,517	195,604	35,943	215,676
Others	323,731	313,736	547,482	673,685
¥	↓ 5,335,909	6,242,601	10,600,959	12,527,286

(*1) Changes in inventories are the changes in products, semi-finished products and byproducts.

(*2) Includes depreciation of investment property.

29. Income Taxes

The effective tax rate of the Company for the six-month periods ended June 30, 2016 and 2015 was 20.93% and 33.12%, respectively. The effective tax rate for the six-month period ended June 30, 2015 was higher than the statutory tax rate of 24.2% for the Company mainly due to increase in deferred tax liability related to the Company's investments in POSCO ENGINEERING & CONSTRUCTION., LTD. as a result of changes in management's expectations on repatriation of the investment.

30. Earnings per Share

Basic and diluted earnings per share for the three-month and six-month periods ended June 30, 2016 and 2015 were as follows:

(in Won, except per share information)		For the three-۱ ended د	month periods June 30	For the six-m ended J	•
		2016	2015	2016	2015
Profit for the period Interests of hybrid bonds, net of tax	₩	310,509,841,739 (8,073,975,372)	210,449,831,980 (8,240,301,971)	756,420,412,289 (16,474,401,438)	710,210,219,982 (16,351,402,838)
Weighted-average number of common shares outstanding(*1)		79,996,105	79,993,372	79,995,921	79,993,215
Basic and diluted earnings per share		3,781	2,528	9,250	8,674

(*1) The weighted-average number of common shares used to calculate basic and diluted earnings per share were as follows:

(in share)	For the three-mo ended Jui		For the six-mor ended Jur	•
	2016	2015	2016	2015
Total number of common shares issued Weighted-average number	87,186,835	87,186,835	87,186,835	87,186,835
of treasury shares	(7,190,730)	(7,193,463)	(7,190,914)	(7,193,620)
Weighted-average number of common shares outstanding	79,996,105	79,993,372	79,995,921	79,993,215

Since there were no potential shares of common stock which had dilutive effects as of June 30, 2016 and 2015, diluted earnings per share is equal to basic earnings per share.

31. Related Party Transactions

(a) Significant transactions with related companies for the six-month periods ended June 30, 2016 and 2015 were as follows:

1) For the six-month period ended June 30, 2016

(in millions of Won)	Sales and o	thers(*1)		Purchase and others(*2)				
-					Outsourced			
			Purchase of	Purchase of	processing			
	Sales	Others	material	fixed assets	cost	Others		
Subsidiaries(*3)								
POSCO ENGINEERING & CONSTRUCTION., LTD.	27,360	16,629	-	153,331	-	16,046		
POSCO Processing&Service	478,627	5,777	252,080	-	-	872		
POSCO COATED & COLOR STEEL Co., Ltd.	153,329	2,560	-	-	6,491	56		
POSCO ICT(*4)	686	292	-	81,440	17,783	81,535		
eNtoB Corporation	-	-	122,429	4,164	56	8,923		
POSCO CHEMTECH	159,436	18,012	246,706	6,603	141,213	3,334		
POSCO ENERGY CO., LTD.	93,103	652	-	-	-	-		
POSCO TMC Co., Ltd.	146,761	-	1	-	1,024	677		
POSCO AST	152,108	1	-	-	19,695	922		
POSCO DAEWOO Corporation								
(formerly, Daewoo International Corporation)(*5)	1,561,031	34,341	37,172	-	-	132		
POSCO Thainox Public Company Limited	114,947	2,857	4,237	-	-	23		
POSCO America Corporation	285,368	-	-	-	-	-		
POSCO Canada Ltd.	-	-	63,481	-	-	-		
POSCO Asia Co., Ltd.	900,391	123	164,289	49	291	722		
Qingdao Pohang Stainless Steel Co., Ltd.	60,924	-		-		419		
POSCO JAPAN Co., Ltd.	514,806	-	12,211	368	54	994		
POSCO MEXICO S.A. DE C.V.	111,181	-	, _	-				
POSCO Maharashtra Steel Private Limited	192,584	-	-	-	-	57		
Others	483,015	9,818	107.676	31,185	104,837	50,836		
	5,435,657	91.062	1.010.282	277,140	291,444	165,548		
Associates and joint ventures(*3)								
SeAH Changwon Integrated Special Steel(*6)	20	-	887	-	517	-		
POSCO PLANTEC Co., Ltd.(*6)	1,854	25	1,812	92,003	8,170	4,869		
SNNC	2,400	697	205,899	-	-	-		
POSCO-SAMSUNG-Slovakia Processing Center	16,569	-	-	-	-	-		
KOBRASCO	-	29,297	-	-	-	-		
Others	18,227	4,610	28,298	-	-	-		
-	39,070	34,629	236,896	92,003	8,687	4,869		
₩ 	5,474,727	125,691	1,247,178	369,143	300,131	170,417		

- (*1) Sales and others mainly consist of sales of steel products to subsidiaries, associates and joint ventures.
- (*2) Purchases and others mainly consist of subsidiaries' purchases of construction services and purchases of raw materials to manufacture steel products.
- (*3) As of June 30, 2016, the Company provided guarantees to related parties. (Note 20)
- (*4) Others (purchase) mainly consist of service fees related to maintenance and repair of ERP System.
- (*5) During the period ended June 30, 2016, Daewoo International Corporation was renamed POSCO DAEWOO Corporation.
- (*6) During the year ended December 31, 2015, it was reclassified from a subsidiary to an associate.

2) For the six-month period ended June 30, 2015

(in millions of Won)	Sales and	others	Purchase and others				
					Outsourced		
			Purchase of	Purchase of	processing		
	Sales	Others	material	fixed assets	cost	Others	
Subsidiaries							
POSCO ENGINEERING & CONSTRUCTION., LTD.	₽ 2,027	90	19	291,361	1,822	29,336	
POSCO Processing&Service	534,281	-	246,883	-	-	1,632	
POSCO COATED & COLOR STEEL Co., Ltd.	198,400	-	-	-	5,698	54	
POSCO ICT	680	4	-	84,512	14,669	88,429	
eNtoB Corporation	-	-	146,452	2,396	53	10,464	
POSCO CHEMTECH	245,830	17,633	259,499	6,182	150,021	499	
POSCO ENERGY CO., LTD.	96,177	615	-	-	-	13	
POSCO TMC Co., Ltd.	123,016	-	-	-	666	634	
POSCO AST	199,145	3	4,115	-	19,271	109	
POSHIMETAL Co., Ltd.	6,517	75	82,124	-	-	33	
POSCO DAEWOO Corporation							
(formerly, Daewoo International Corporation)	1,782,130	34,341	26,749	-	-	769	
SeAH Changwon Integrated Special Steel	2,811	176,904	8,239	-	515	75	
POSCO PLANTEC Co., Ltd.	3,981	25	1,735	64,492	10,460	10,922	
POSCO Thainox Public Company Limited	139,818	10	3,300	-	-	25	
PT. KRAKATAU POSCO	-	-	115,557	-	-		
POSCO America Corporation	336,072	7	-	-	-	85	
POSCO Canada Ltd.	-	-	64,024	-	-		
POSCO Asia Co., Ltd.	921,709	579	125,255	-	95	237	
Qingdao Pohang Stainless Steel Co., Ltd.	80,851	-	-	-	-	46	
POSCO JAPAN Co., Ltd.	507,507	9,383	11,934	1,674	-	519	
POSCO MEXICO S.A. DE C.V.	132,429	153	-	-	-		
POSCO Maharashtra Steel Private Limited	207,938	-	-	-	-		
Others	462,894	10,125	120,512	45,174	106,843	46,262	
	5,984,213	249,947	1,216,397	495,791	310,113	190,143	
Associates and joint ventures							
SeAH Changwon Integrated Special Steel	1,653	-	2,672	-	229	1	
SNNC	1,205	283	212,142	-			
CSP - Compania Siderurgica do Pecem	3,358	537	,	-	-		
Others	19,541	30,862	28,295	-	-		
	25,757	31,682	243,109		229		
1	4 6,009,970	281,629	1,459,506	495.791	310,342	190,144	

(b) Significant transactions with related companies for the three-month periods ended June 30, 2016 and 2015 were as follows:

1) For the three-month period ended June 30, 2016

(in millions of Won)	Sales and	others	Purchase and others				
			Purchase of	Purchase of	Outsourced processing		
	Sales	Others	material	fixed assets	cost	Others	
Subsidiaries							
POSCO ENGINEERING & CONSTRUCTION., LTD.	₩ 25,818	26	-	41,743	-	3,684	
POSCO Processing&Service	254,568	-	153,745	-	-	627	
POSCO COATED & COLOR STEEL Co., Ltd.	79,387	1	-	-	3,247	24	
POSCO ICT	385	201	-	57,129	11,154	37,228	
eNtoB Corporation	-	-	63,646	3,529	36	5,385	
POSCO CHEMTECH	70,366	5,430	118,684	4,367	71,274	1,549	
POSCO ENERGY CO., LTD.	47,919	344	-	-	-	-	
POSCO TMC Co., Ltd.	77,021	-	-	-	556	366	
POSCO AST	76,475	-	-	-	11,192	178	
POSCO DAEWOO Corporation							
(formerly, Daewoo International Corporation)	767,009	-	13,367	-	-	-	
POSCO Thainox Public Company Limited	59,981	2,857	2,280	-	-	23	
POSCO America Corporation	160,552	-	-	-	-	-	
POSCO Canada Ltd.	-	-	38,704	-	-	-	
POSCO Asia Co., Ltd.	419,542	123	105,303	49	270	544	
Qingdao Pohang Stainless Steel Co., Ltd.	36,386	-	-	-	-	190	
POSCO JAPAN Co., Ltd.	242,575	-	6,520	-	26	842	
POSCO MEXICO S.A. DE C.V.	33,181	-	-	-	-	-	
POSCO Maharashtra Steel Private Limited	91,102	-	-	-	-	57	
Others	271,562	1,575	61,975	16,427	54,072	31,586	
	2,713,829	10,557	564,224	123,244	151,827	82,283	
Associates and joint ventures							
SeAH Changwon Integrated Special Steel	15	-	435	-	379	-	
POSCO PLANTEC Co., Ltd.	758	5	980	48,694	4,153	2,134	
SNNC	1,175	531	98,109	-	-	-	
POSCO-SAMSUNG-Slovakia Processing Center	8,714	-	-	-	-	-	
KOBRASCO	-	29,297	-	-	-	-	
Others	14,581	1,540	15,483	-	-	-	
	25,243	31,373	115,007	48,694	4,532	2,134	
1	₩ 2,739,072	41,930	679,231	171,938	156,359	84,417	
	,	,		,		e .,	

2) For the three-month period ended June 30, 2015

(in millions of Won)		Sales and	others	Purchase and others				
						Outsourced		
		Sales	Others	Purchase of material	Purchase of fixed assets	processing cost	Others	
Subsidiaries								
POSCO ENGINEERING & CONSTRUCTION., LTD.	₩	1,102	26	-	133,824	536	7,331	
POSCO Processing&Service		254,405	-	102,440		-	325	
POSCO COATED & COLOR STEEL Co., Ltd.		96,959	-	-	-	2,431	30	
POSCO ICT		386	-	-	49.262	7.234	43.976	
eNtoB Corporation		-	-	68,462	1,869	27	4,914	
POSCO CHEMTECH		117,465	5,833	126,055	4,449	75,237	127	
POSCO ENERGY CO., LTD.		48.575	313	-	-	-	-	
POSCO TMC Co., Ltd.		68,482	-	-	-	407	355	
POSCO AST		94,030	-	1.340	-	10,399	74	
POSHIMETAL Co., Ltd.		3,346	41	44,991	-	-	-	
POSCO DAEWOO Corporation				,				
(formerly, Daewoo International Corporation)		884,194	6	15,036	-	-	769	
POSCO PLANTEC Co., Ltd.		1.608	7	857	36,665	4,834	5,267	
POSCO Thainox Public Company Limited		67,861	-	1,431		-	25	
PT. KRAKATAU POSCO		-	-	31,921	-	-	-	
POSCO America Corporation		160.145	7	-	-	-	49	
POSCO Canada Ltd.		-	-	31,027	-	-	-	
POSCO Asia Co., Ltd.		456,563	579	74,436	-	95	145	
Qingdao Pohang Stainless Steel Co., Ltd.		44,122	-	-	-	-	46	
POSCO JAPAN Co., Ltd.		241,267	-	6,711	717	-	250	
POSCO MEXICO S.A. DE C.V.		54,686	1	-	-	-	-	
POSCO Maharashtra Steel Private Limited		105,543	-	-	-	-	-	
Others		235,743	4,782	58,141	19,975	53,429	22,481	
		2,936,482	11,595	562,848	246,761	154,629	86,164	
Associates and joint ventures		<u> </u>			<u>.</u>	·		
SeAH Changwon Integrated Special Steel		1,653	-	2,672	-	229	1	
SNNC		567	77	114,966	-	-	-	
CSP - Compania Siderurgica do Pecem			537	-	-	-	-	
Others		11,112	24,433	13,982	-	-	-	
		13,332	25,047	131,620	-	229	1	
	w	2,949,814	36,642	694,468	246,761	154,858	86,165	

(c) The related account balances of significant transactions with related companies as of June 30, 2016 and December 31, 2015 are as follows:

1) June 30, 2016

(in millions of Won)		Receivables		Payables				
	Trade accounts and notes receivable	Others	Total	Trade accounts and notes payable	Accounts payable	Others	Total	
Subsidiaries								
POSCO ENGINEERING & CONSTRUCTION., LTD.	₩ 1	1,370	1,371	-	6,269	523	6,792	
POSCO Processing&Service	100,905	88	100,993	14,133	697	1	14,831	
POSCO COATED & COLOR STEEL Co., Ltd.	45,521	226	45,747	-	372	1,570	1,942	
POSCO ICT	-	169	169	882	47,801	6,026	54,709	
eNtoB Corporation	-	-	-	9,491	17,483	18	26,992	
POSCO CHEMTECH	24,167	4,337	28,504	53,843	11,562	17,584	82,989	
POSCO ENERGY CO., LTD.	15,094	1,060	16,154	-	-	1,945	1,945	
POSCO TMC Co., Ltd.	77,080	51	77,131	-	23	304	327	
POSCO AST	31,260	17	31,277	-	2,118	4,058	6,176	
POSCO DAEWOO Corporation								
(formerly, Daewoo International Corporation)	145,710	17	145,727	382	16	49	447	
POSCO Thainox Public Company Limited	59,978	-	59,978	-	-	-	-	
POSCO America Corporation	61,415	-	61,415	-	-	-	-	
POSCO Asia Co., Ltd.	272,232	73	272,305	2,335	-	133	2,468	
Qingdao Pohang Stainless Steel Co., Ltd.	22,008	-	22,008	-	-	-	-	
POSCO MEXICO S.A. DE C.V.	47,331	-	47,331	-	-	-	-	
POSCO Maharashtra Steel Private Limited	149,641	9	149,650	-	-	-	-	
Others	190,101	3,201	193,302	18,015	24,732	28,626	71,373	
	1,242,444	10,618	1,253,062	99,081	111,073	60,837	270,991	
Associates and joint ventures								
SeAH Changwon Integrated Special Steel	11	-	11	7	-	159	166	
POSCO PLANTEC Co., Ltd.	4	13	17	1,922	17,050	55	19,027	
SNNC	223	18	241	21,476	4	1,082	22,562	
KOBRASCO	-	14,648	14,648	-	-	-	-	
Others	587	6	593	-	-	-	-	
	825	14,685	15,510	23,405	17,054	1,296	41,755	
ŕ	₩ 1,243,269	25,303	1,268,572	122,486	128,127	62,133	312,746	

2) December 31, 2015

(in millions of Won)	Receivables			Payables			
	Trade accounts and notes receivable	Others	Total	Trade accounts and notes payable	Accounts payable	Others	Total
Subsidiaries							
POSCO ENGINEERING & CONSTRUCTION., LTD.	508	30,368	30,876	-	42,159	1,002	43,161
POSCO Processing&Service	74,985	175	75,160	10,868	603	-	11,471
POSCO COATED & COLOR STEEL Co., Ltd.	43,669	66	43,735	-	-	1,262	1,262
POSCO ICT	-	6,832	6,832	1,060	94,865	5,880	101,805
eNtoB Corporation	-	-	-	8,683	14,209	12	22,904
POSCO CHEMTECH	32,670	4,500	37,170	54,636	11,398	18,062	84,096
POSCO ENERGY CO., LTD.	18,680	2,585	21,265	-	-	-	-
POSCO TMC Co., Ltd.	63,521	31	63,552	-	180	195	375
POSCO AST	54,844	54	54,898	-	1,915	3,294	5,209
POSHIMETAL Co., Ltd.	707	9	716	-	10,148	-	10,148
POSCO DAEWOO Corporation (formerly, Daewoo International Corporation)	144,970	-	144,970	-	-	-	-
POSCO Thainox Public Company Limited	65,152	2	65,154	542	-	-	542
POSCO America Corporation	38,715	-	38,715	-	-	-	-
POSCO Asia Co., Ltd.	299,608	235	299,843	21,198	69	-	21,267
Qingdao Pohang Stainless Steel Co., Ltd.	16,689	-	16,689	-	-	-	-
POSCO MEXICO S.A. DE C.V.	94,588	-	94,588	-	-	-	-
POSCO Maharashtra Steel Private Limited	205,390	20	205,410	-	-	-	-
Others	172,019	5,035	177,054	18,208	45,476	23,985	87,669
	1,326,715	49,912	1,376,627	115,195	221,022	53,692	389,909
Associates and joint ventures							
SeAH Changwon Integrated Special Steel	1,201	-	1,201	161	15	-	176
POSCO PLANTEC Co., Ltd.	123	19	142	1.901	46,159	-	48.060
SNNC	298	20	318	639	40,100	-	-0,000
Others	740	12.200	12.940	-	145	_	145
Others	2.362	12,200	12,940	2.701	46,321	·	49,022
₩		62,151	1,391,228	117,896	267,343	53,692	438,931

(d) For the six-month periods ended June 30, 2016 and 2015 details of compensation to key management officers were as follows:

(in millions of Won)	_	June 30, 2016	June 30, 2015
Short-term benefits	\mathbf{W}	14,538	17,679
Long-term benefits		5,831	5,966
Retirement benefits		3,877	7,407
	\overline{W}	24,246	31,052

Key management officers include directors (including non-standing directors), executive officials and fellow officials who have significant influence and responsibilities in the Company's business and operations.

32. Commitments and Contingencies

(a) Commitments

The Company entered into long-term contracts to purchase iron ore, coal, nickel and others. The contracts of iron ore and coal generally have terms of more than three years and the contracts of nickel have terms of more than one year. These contracts provide for periodic price adjustments based on the market price. As of June 30, 2016, 153 million tons of iron ore and 23 million tons of coal remained to be purchased under such long-term contracts.

The Company entered into an agreement with Tangguh Liquefied Natural Gas (LNG) Consortium in Indonesia to purchase 550 thousand tons of LNG annually for 20 years commencing in August 2005. The purchase price is subject to change, based on changes of the monthly standard oil price (JCC) and with a price ceiling.

As of June 30, 2016, the Company entered into commitments with Korea National Oil Corporation for long-term foreign currency borrowings, which are limited up to the amount of USD 8.25 million and USD 6.49 million. The borrowings are related to the exploration of gas hydrates in Namangan-Chust and the exploration of gas hydrates in Western Fergana-Chenavard, respectively. The repayment of the borrowings depends on the success of the projects. The Company is not liable for the repayment of full or part of the money borrowed if the respective projects fail. The Company has agreed to pay a certain portion of its profits under certain conditions, as defined by the borrowing agreements. As of June 30, 2016, the balances of the borrowing are USD 4.11 million.

- (b) As of June 30, 2016, the Company has provided two blank checks to Korea Resources Corporation as collateral for long-term domestic borrowings, and has provided six blank promissory notes and three blank checks to Korea National Oil Corporation as collateral for long-term foreign currency borrowings.
- (c) Litigation in progress

The Company is involved in 37 litigations for alleged damages aggregating to W87.6 billion as of June 30, 2016 which arose in the ordinary course of business. The Company has recognized provisions for 1 of 37 litigations amounting to W0.4 billion by estimating the outcome of such litigations reasonably. Except 1 litigation, the Company has not recognized any provisions since the Company believes that it does not have a present obligation on other litigations as of June 30, 2016.

(d) The Company has provided a supplemental funding agreement, as the largest shareholder, as requested from the creditors, including Norddeutsche Landesbank, for seamless funding to the construction of new power plant by POSCO ENERGY CO., LTD.

33. Cash Flows from Operating Activities

Changes in operating assets and liabilities for the six-month periods ended June 30, 2016 and 2015 were as follows:

(in millions of Won)	-	June 30, 2016	June 30, 2015
Trade accounts and notes receivable, net	₩	(59,730)	247,106
Other accounts receivable		43,245	181,689
Inventories		425,467	430,348
Prepaid expenses		1,368	19,005
Other current assets		(1,693)	(6,954)
Long-term guarantee deposits		57	(164)
Other non-current assets		(60)	(14)
Trade accounts and notes payable		142,044	(44,508)
Other accounts payable		(75,825)	(160,419)
Accrued expenses		(7,838)	(18,581)
Advances received		1,605	(6,157)
Withholdings		3,332	3,737
Unearned revenue		(145)	39
Other current liabilities		(7,092)	(30,635)
Payment severance benefits		(46,655)	(54,947)
Plan assets		(56,370)	23,788
	₩	361,710	583,333

34. Business Combination

(a) The Company merged with POS-HIMETAL Co. Ltd., and POSCO Green Gas Technology during the six-month period ended June 30, 2016. The purpose of the business combination is to enhance shareholder's value by increasing competence of the Company and maximizing efficiency of integrated operations through the synergy gained from the merger.

	POS-HIMETAL	POSCO Green Gas	
	Co., Ltd.	Technology	
Decision date of Board of Directors	2015.12.11	2016.02.19	
Acquisition date	2016.03.01	2016.05.01	

(b) Since the merger between the controlling company and its subsidiaries, the assets acquired and liabilities assumed through the merger are measured at book value in the consolidated financial statements of the Company. The difference between considerations transferred and the book value of net assets recognized is reflected in capital surplus.

(in millions of Won)	_	POS-HIMETAL Co., Ltd.(*1)	POSCO Green Gas Technology(*2)
Transfer price			
Book value of existing ownership interest	₩	2,966	682,600
Identifiable assets, acquired liabilities			
Cash and cash equivalents		316	23,934
Trade accounts and note receivable, net		2,583	-
Inventories		35,113	9,227
Property, plant, equipment and intangible assets		231,848	1,059,901
Other assets		7,002	7,803
Trade accounts and note payable		(1,685)	-
Borrowings		(331,817)	(202,544)
Other payables		(2,931)	(226,602)
Other liabilities	_	(10,207)	(7,685)
Total identifiable net assets	_	(69,778)	664,034
Capital surplus arising from business combination			
Decrease in capital surplus	₩_	72,744	18,566

- (*1) The pro-forma revenues and net profits for the period ended June 30, 2016, based on the assumption that the POS-HIMETAL Co., Ltd had been acquired at the beginning of 2016, are estimated to be W11,775,974 million and W738,004 million, respectively.
- (*2) The pro-forma revenues and net profits for the period ended June 30, 2016, based on the assumption that POSCO Green Gas Technology had been acquired at the beginning of 2016, are estimated to be W11,775,073 million and W751,363 million, respectively.