

SK Holdings Co., Ltd.

Interim condensed separate financial statements for the nine months ended September 30, 2016 and 2015 with the independent auditors' review report

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Report on review of interim condensed separate financial statements

The Board of Shareholders and Directors SK Holdings Co., Ltd.

We have reviewed the accompanying interim condensed separate financial statements of SK Holdings Co., Ltd. (the "Company"), which comprise the interim condensed separate statement of financial position as at June 30, 2016, and the interim condensed separate statements of comprehensive income for the three months and nine months ended September 30, 2016 and 2015, and changes in shareholders' equity and cash flows for the nine months ended September 30, 2016 and 2015, all expressed in Korean won, and a summary of significant accounting policies and other explanatory information.

Management's responsibility for the Interim condensed separate financial statements

Management is responsible for the preparation and fair presentation of these interim condensed separate financial statements in accordance with Korean International Financial Reporting Standards (KIRFS) 1034 *Interim Financial Reporting*, Also management is responsible for the design and operation of the Company's internal control to prevent and detect any error or fraud which may cause material misstatement of the interim condensed separate financial statements.

Auditors' responsibility

Our responsibility is to express a conclusion on these interim condensed separate financial statements based on our review.

We conducted our review in accordance with the review standards for interim financial statements in the Republic of Korea. A review of interim financial information consists of making inquiries, primarily of pensions 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 auditing standards generally accepted in the Republic of Korea. Consequently, it 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 review, nothing has come to our attention that causes us to believe that the accompanying interim condensed separate financial statements are not presented fairly, in all material respects, in accordance with KIFRS 1034.

Emphasis of matter

Without modifying our conclusion, we draw attention to the following matters.

Emphasis of matter in regard to key audit matters in engineer-to-order manufacturing sectors (ETO)

In accordance with Accounting Audit Practice Guidelines 2016-1, key audit matters in ETO are selected on the basis of auditor's professional judgment and communication with those charged with governance. Such procedures are based on the financial statements as a whole, and we do not express an opinion in regard to such matter.



We have reflected the results of the reviewing procedures performed on the key audit matters as described below in forming the conclusion.

(1) Revenue recognition based on percentage-of-completion, appropriateness of percentage-of-completion calculation and recoverability of unbilled construction

As explained in Note 2 to the accompanying financial statements, when the outcome of construction contract can be reliably measured, construction revenue and construction costs are recognized based on the percentage-of-completion method. The percentage of completion is calculated by dividing total construction costs to date by the total estimated costs of the construction, and if such method does not reliably measure the construction contract, there exists risk in relation to measurement of construction revenue and construction costs.

Further, the Company recognized accounts receivable (unbilled contract revenue) for construction cost to date, net of recognized loss, exceeding billed amounts. As at current interim period, unbilled construction amounted to $\mathbb{W}94,022$ million and if such amount is uncollected, the Company is exposed to risks in relation to asset measurement.

We performed following review procedures for key audit matters associated with revenue recognition based on percentage-of-completion, appropriateness of percentage-of-completion calculation and recoverability of unbilled construction.

- > Inquiry into accounting policies on revenue recognition and any changes to the policies.
- > Review as to whether it meets the criteria for reliably estimating the outcome of construction contracts.
- Inquiry and analytic review as to construction contracts with a significant change in measure of the percentage-of-completion.
- Review as to reasons for the significant change and recoverability of unbilled construction contract.
- (2) Uncertainty in estimating the total estimated costs of a construction contract and calculation of percentage-of-completion

As explained in Note 3 to the accompanying financial statements, the total estimated costs of the contract are based on the future estimates, and the total construction revenue is based on the agreed amount in the contract. However, the total revenue may change due to alterations in the original contract work and delays caused by the contractor in the completion of the contract. The construction estimated costs and contract revenue are affected by uncertainties associated with the outcomes of future events.

We performed following review procedures for key audit matters, selected on the basis of auditor's professional judgment, in relation to uncertainties in estimating the total contract costs and appropriateness of accounting treatment for changes in construction.

- Inquiry about the appropriateness of accounting treatments for the change of the total estimated costs and the change of construction contracts.
- > Inquiry about the reason of significant changes of total construction revenue or the total estimated costs.



Other matters

We have audited the separate statement of financial position of the Company as at December 31, 2015, and the related separate statement of comprehensive income, changes in shareholders' equity and separate statement of cash flows for the year then ended in accordance with auditing standards generally accepted in the Republic of Korea and our report dated March 10, 2016 expressed an unqualified opinion thereon. The accompanying separate statement of financial position as at December 31, 2015, presented for comparative purpose are not different, in all material respects, from the above audited separate statement of financial position.

Ernst Joung Han Young

November 11, 2016

This review report is effective as at November 11, 2016, the independent auditors' review report date. Accordingly, certain material subsequent events or circumstances may have occurred during the period from the auditors' review report date to the time this review report is used. Such events and circumstances could significantly affect the accompanying interim condensed consolidated financial statements and may result in modification to this review report.

SK Holdings Co., Ltd.

Interim condens	sed separate financ	ial statements
for the nine months	ended September	30, 2016 and 2015

"The accompanying financial statements, including all footnotes and disclosures, have been prepared by, and are the responsibility of, SK Holdings Co., Ltd."

SK Holdings Co., Ltd. Interim condensed separate statements of financial position as at September 30, 2016 and December 31, 2015

(Korean won in millions and U.S. dollar in thousands)

		Korean won					Transla U.S. dolla		
		Se	ptember 30,	De	cember 31,	Se	eptember 30,	De	ecember 31,
	Notes		2016		2015		2016		2015
Assets									
Current assets:	4		005.044		07.005	4	005.057	4	00.044
Cash and cash equivalents	4	₩	335,311	₩	97,835	\$	305,857	\$	89,241
Short-term financial instruments	4, 28		47,620		67,200		43,437		61,297
Trade accounts receivable	4, 5, 25, 28		373,076		415,835		340,305		379,308
Other accounts receivable	4, 25, 28		2,493		1,369		2,274		1,249
Inventories	6 4, 10, 17, ∠0,		75,056		83,198		68,463		75,890
Other current assets	၁၀		26,276		75,633	_	23,968 784.304		68,989
Total current assets			859,832		741,070		784,304		675,974
Non-current assets:									
Available-for-sale financial assets	4, 7, 28		159,387		148,455		145,386		135,415
Investments in subsidiaries	8		14,478,709		13,848,850		13,206,886		12,632,354
Investments in associates and									
joint ventures	9		120,229		70,157		109,668		63,994
Property, plant and equipment	10, 27		678,080		665,238		618,517		606,803
Investment properties	11		40,707		41,027		37,131		37,423
Intangible assets	12		2,084,586		2,053,152		1,901,474		1,872,801
Other non-current assets	4, 16, 17, 25, 28		23,583		25,134		21,512		22,926
Total non-current assets			17,585,281		16,852,013		16,040,574		15,371,716
Total assets		₩	18,445,113	₩	17,593,083	\$	16,824,878	\$	16,047,690
Liabilities Current liabilities: Short-term borrowings	4, 13, 28	₩	80,000	₩	250,000	\$	72,973	\$	228,040
Trade accounts payable	4, 25, 28		124,722		109,400		113,766		99,790
Other accounts payable	4, 25, 28		50,338		73,036		45,916		66,620
Accrued expenses	4, 25, 28		33,540		42,940		30,594		39,168
Provisions Current portion of long-term debt	14 4, 13, 28		3,686		5,300		3,362		4,834
Other current liabilities	4, 13, 26 4, 16, 17, 25, 28		775,255 93,874		918,835 110,126		707,156 85,628		838,124 100,452
Total current liabilities	4, 10, 17, 25, 26		1,161,415		1,509,637		1,059,395		1,377,028
Total current habilities			1,101,713		1,303,037		1,009,090		1,577,020
Non-current liabilities:									
Bonds payable	4, 13, 28		5,013,097		4,289,918		4,572,742		3,913,088
Retirement benefit obligation	15		63,387		26,421		57,819		24,100
Deferred income tax liabilities			271,369		268,405		247,532		244,828
Other non-current liabilities	4, 16, 17, 25, 28		17,525		17,025		15,986		15,530
Total non-current liabilities			5,365,378		4,601,769		4,894,079		4,197,546
Total liabilities			6,526,793		6,111,406		5,953,474		5,574,574
Equity:									
Issued capital	1, 18		15,385		15,385		14,034		14,034
Other paid-in capital	18		4,719,052		4,719,052		4,304,526		4,304,526
Retained earnings	18		7,172,688		6,736,539		6,542,632		6,144,795
Other capital components	18		11,195		10,701		10,212		9,761
Total equity			11,918,320		11,481,677		10,871,404		10,473,116
Total liabilities and equity		₩	18,445,113	₩	17,593,083	<u>\$</u>	16,824,878	\$	16,047,690

SK Holdings Co., Ltd. Interim condensed separate statements of comprehensive income for the three months and nine months ended September 30, 2016 and 2015

(Korean won in millions except for per share data)

		Korean won									
			Septembe	er 30	, 2016		Septembe	er 30	, 2015		
	Notes	Thre	ee months	Ni	ne months	Th	ree months	Ni	ne months		
Operating revenue Operating expenses	19, 25 20, 21, 25	₩	661,795 566,240	₩	2,436,014 1,634,612	₩	538,483 465,049	₩	1,466,486 1,280,602		
Operating income			95,555		801,402		73,434		185,884		
Financial income	22		7,281		11,853		5,301		9,118		
Financial costs	22		43,451		119,739		30,590		63,469		
Other non-operating income	22		553		3,831		6,248,246		6,308,286		
Other non-operating expenses	22		3,368		13,439		104,741	_	111,188		
Income before income tax expense			56,570		683,908		6,191,650		6,328,631		
Income tax expense	23		6,535		43,915		498,274		524,236		
Net income			50,035		639,993	_	5,693,376	_	5,804,395		
Other comprehensive income: Items not to be reclassified to profit or loss in subsequent periods (net of tax): Remeasurement loss on defined benefit plans	15		(210)		(12,094)		(2,043)		(9,787)		
Items to be reclassified to profit or loss in subsequent periods (net of tax): Net gain (loss) on available-for-	.0		(= . 0)		(12,001)		(=,0.10)		(0,101)		
sale financial assets	7		2,062		494		(31,148)		(18,234)		
			1,852		(11,600)		(33,191)		(28,021)		
Total comprehensive income											
for the period		₩	51,887	₩	628,393	₩	5,660,185	₩	5,776,374		
Earnings per share (Korean won):											
Basic earnings per share	24	₩	887	₩	11,438	₩	105,426	₩	122,809		

(Continued)

SK Holdings Co., Ltd.
Interim condensed separate statements of comprehensive income for the three months and nine months ended September 30, 2016 and 2015

(U.S. dollar in thousands except for per share data)

		Translation into U.S. dollar (Note 2)									
		Septembe	er 30, 2016	Septembe	r 30, 2015						
	Notes	Three months	Nine months	Three months	Nine months						
Operating revenue Operating expenses	19, 25 20, 21, 25	\$ 603,662 516,501	\$ 2,222,032 1,491,026	\$ 491,182 424,199	\$ 1,337,669 1,168,113						
Operating income		87,161	731,006	66,983	169,556						
Financial income	22	6,641	10,812	4,835	8,317						
Financial costs	22	39,634	109,221	27,903	57,894						
Other non-operating income	22	505	3,495	5,699,395	5,754,160						
Other non-operating expenses	22	3,072	12,259	95,540	101,421						
Income before income tax expense		51,601	623,833	5,647,770	5,772,718						
Income tax expense	23	5,961	40,058	454,505	478,186						
Net income		45,640	583,775	5,193,265	5,294,532						
Other comprehensive income: Items not to be reclassified to profit or loss in subsequent periods (net of tax): Remeasurement loss on defined benefit plans Items to be reclassified to profit or loss	15	(192)	(11,032)	(1,864)	(8,927)						
in subsequent periods (net of tax): Net gain (loss) on available-for- sale financial assets	7	1,881 1,689	. 451	(28,411)	(16,633) (25,560)						
		1,009	(10,561)	(30,273)	(25,500)						
Total comprehensive income											
for the period		\$ 47,329	\$ 573,194	\$ 5,162,990	\$ 5,268,972						
Earnings per share (U.S. dollar): Basic earnings per share	24	\$ 0.81	\$ 10.43	\$ 96.17	\$ 112.02						

The accompanying notes are an integral part of the interim condensed separate financial statements.

SK Holdings Co., Ltd. Interim condensed separate statements of changes in shareholders' equity for the nine months ended September 30, 2016 and 2015

(Korean won in millions)

	Issu	ed capital	pa	Other aid-in capital	Reta	ined earnings		Other capital components	Т	otal equity
As at January 1, 2015	₩	10,000	₩	(618,299)	₩	1,642,876	₩	29,905	₩	1,064,482
Total comprehensive income:		·		, ,		, ,		,		, ,
Net income		-		-		5,804,395		-		5,804,395
Remeasurement loss on defined						(0.707)				(00-)
benefits plans		-		-		(9,787)		-		(9,787)
Net gain on available-for- sale financial assets								(10.224)		(10 224)
Dividends		-		-		(88,000)		(18,234)		(18,234) (88,000)
Issuance of new shares from business		_		_		(00,000)		_		(00,000)
combination		5,385		5,605,831		_		_		5,611,216
Retirement of treasury share		-		636,010		(636,010)		-		-
Acquisitions of treasury share				(486,418)		<u>-</u> _				(486,418)
As at September 30, 2015	₩	15,385	₩	5,137,124	₩	6,713,474	₩	11,671	₩	11,877,654
As at January 1, 2016	₩	15,385	₩	4,719,052	₩	6,736,539	₩	10,701	₩	11,481,677
Total comprehensive income:										
Net income		-		-		639,993		-		639,993
Remeasurement loss on defined benefits plans						(12,094)				(12,094)
Net loss on available-for-		-		-		(12,094)		-		(12,094)
sale financial assets		_		_		_		494		494
Dividends						(191,750)		<u> </u>		(191,750)
As at September 30, 2016	₩	15,385	₩	4,719,052	₩	7,172,688	₩	11,195	₩	11,918,320

SK Holdings Co., Ltd. Interim condensed separate statements of changes in shareholders' equity for the nine months ended September 30, 2016 and 2015

(U.S. dollar in thousands)

		 Other	D-4-		ther capital	_	
	ed capital	 id-in capital		ined earnings	omponents		Total equity
As at January 1, 2015	\$ 9,122	\$ (563,987)	\$	1,498,564	\$ 27,278	\$	970,977
Total comprehensive income:							
Net income	-	-		5,294,532	-		5,294,532
Remeasurement loss on defined							
benefits plans	-	-		(8,927)	-		(8,927)
Net gain on available-for-							
sale financial assets	-	-		-	(16,633)		(16,633)
Dividends	-	-		(80,270)	-		(80,270)
Issuance of new shares from business							
combination	4,912	5,113,410		-	-		5,118,322
Retirement of treasury share	-	580,142		(580,142)	-		-
Acquisitions of treasury share	 -	 (443,691)		-	 		(443,691)
As at September 30, 2015	\$ 14,034	\$ 4,685,874	\$	6,123,757	\$ 10,645	\$	10,834,310
As at January 1, 2016	\$ 14,034	\$ 4,304,526	\$	6,144,795	\$ 9,761	\$	10,473,116
Total comprehensive income:							
Net income	-	-		583,775	-		583,775
Remeasurement loss on defined							
benefits plans	-	-		(11,032)	-		(11,032)
Net loss on available-for-							
sale financial assets	-	-		-	451		451
Dividends	 	 -		(174,906)	 -		(174,906)
As at September 30, 2016	\$ 14,034	\$ 4,304,526	\$	6,542,632	\$ 10,212	\$	10,871,404

(Korean won in millions and U.S. dollar in thousands)

	For the nine months ended September 30,							,	
							Translat	ion	into
		Korean won					U.S. dolla	r (N	ote 2)
	Notes		2016		2015		2016		2015
Cash flows from operating activities:									
Net income		₩	639,993	₩	5,804,395	\$	583,775	\$	5,294,532
Non-cash adjustments	26		(378,887)		(5,559,393)		(345,604)		(5,071,051)
Working capital adjustments	26		12,200		2,208		11,128		2,014
Interest received			2,640		3,390		2,408		3,092
Interest paid			(137,697)		(65,670)		(125,602)		(59,901)
Dividends received			596,189		80,269		543,819		73,218
Income taxes paid			(43,372)		(98,780)		(39,562)		(90,103)
Net cash provided by operating activities			691,066		166,419		630,362		151,801
Cash flows from investing activities:									
Net change of short-term and long-term financial instruments			19,580		(24,075)		17,860		(21,960)
Net change of short-term loans			900		-		821		-
Proceeds from disposal of available-for-sale									
financial assets			1,284		832		1,171		759
Proceeds from disposal of investments in associates			10,108		-		9,220		-
Proceeds from disposal of investments in subsidiaries			4,662		_		4,252		_
Proceeds from disposal of property, plant and equipment			150		390		137		356
Proceeds from disposal of intangible assets			3,285		7,627		2,996		6,957
Acquisition of available-for-sale financial assets			(11,350)		(1,065)		(10,353)		(971)
Acquisition of investments in associates			-		(20,783)		-		(18,957)
Acquisition of investments in subsidiaries			(634,944)		(==,:==)		(579,170)		-
Acquisition of property, plant and equipment			(46,212)		(34,255)		(42,153)		(31,246)
Acquisition of intangible assets			(45,228)		(10,895)		(41,255)		(9,938)
Decrease in guarantee deposits, net			777		560		709		511
Cash flows from other investing activities			181		(1,184)		166		(1,080)
Increase in cash from business combination			-		657,059		-		599,342
Net cash used in investing activities			(696,807)		574,211		(635,599)		523,773
Cash flows from financing activities:									
Net change of short-term borrowings			(170,000)		50,000		(155,067)		45,608
Repayment of current portion of bonds payable			(590,000)		(349,724)		(538,174)		(319,004)
Issuance of bonds			1,195,262		299,275		1,090,270		272,986
Acquisition of treasury share			-,,		(431,177)		-,000,2.0		(393,302)
Payment of dividend			(191,750)		(88,000)		(174,907)		(80,270)
1 ayrılcın di dividend			(101,700)		(00,000)		(174,007)		(00,270)
Net cash provided by (used in) financing activities			243,512		(519,626)		222,122		(473,982)
Net increase in cash and cash equivalents			237,771		221,004		216,885		201,591
Net foreign exchange effects			(295)		362		(269)		330
Cash and cash equivalents at the beginning of the period			97,835		145,210		89,241		132,455
Cash and cash equivalents at the end of the period		₩	335,311	₩	366,576	\$	305,857	\$	334,376

1. Corporate information

SK Holdings Co., Ltd. (the "Company") was established on April 13, 1991, and is engaged in providing systems integration, software design and development, information processing, consulting services and sales of pre-owned automobiles, and is headquartered at 26, Jong-ro, Jongno-gu, Seoul. The Company's ordinary shares have been listed on the Korea Exchange since November 11, 2009.

Resulting from the acquisition of SK Holdings Co., Ltd. by SK C&C Co., Ltd. effective August 1, 2015, the Company added the investment business to its existing operations for the purpose of holding the securities of its subsidiaries. Furthermore, the Company changed its name to its current form as at the acquisition date.

As at September 30, 2016, the issued capital of the Company amounts to \$\text{\psi}\$15,385 million (including \$\text{\psi}\$113 million of preferred share), and major shareholders and their equity ownership are Tae-won Chey (23.40%), Ki-won Chey (7.46%) and National Pension Service (7.39%).

2. Summary of significant accounting policies

The Company maintains its official accounting records in Korean won and prepares the separate financial statements in conformity with Korean International Financial Reporting Standards ("KIFRS"), in the Korean language. Accordingly, these separate financial statements are intended for use by those who are informed about KIFRS and Korean practices. The accompanying separate financial statements have been restructured and translated into English with certain expanded descriptions from the Korean language financial statements. Certain information included in the Korean language separated financial statements, but not required for a fair presentation of the Company's separate financial position, comprehensive income, changes in shareholder's equity or cash flows is not presented in the accompanying separate financial statements.

The accompanying separate financial statements are stated in Korean won, the currency of the country in which the Company is incorporated and operates. The translation of Korean won amounts into U.S. dollar amounts is included solely for the convenience of readers of the separate financial statements and has been made at the rate of $\mbox{$W1,096.3$}$ to USD 1.00, the basic exchange rate in the Seoul Money Brokerage Service for cable transfers in Korean won on the last business day of the year ended September 30, 2016. Such translations into U.S. dollar should not be construed as representations that the Korean won amounts could be converted into U.S. dollar at that or any other rate.

2.1 Basis of preparation

The Company prepares statutory interim condensed separate financial statements in the Korean language in accordance with KIFRS 1034 *Interim Financial Reporting* enacted by the *Act on External Audit of Stock Companies*. The accompanying interim condensed separate financial statements have been translated into English from the Korean language financial statements. In the event of any differences in interpreting the financial statements or the independent auditors' review report thereon, the Korean version, which used for regulatory reporting purposes, shall prevail.

The interim condensed separate financial statements do not include all the information and disclosures required in the annual financial statements, and should be read in conjunction with the Company's annual financial statements as at December 31, 2015.

Pursuant to KIFRS 1027, the interim condensed separate financial statements are accounted for, by parent, investor in an associate or a joint venture on the basis of the direct equity interest rather than on the basis of the reported results and net assets of the investees.

2.2 Significant accounting policies

The accounting policies adopted in the preparation of the interim condensed separate financial statements are consistent with those followed in the preparation of the Company's annual separate financial statements for the year ended December 31, 2015, except for the adoption of new standards and interpretations effective as at January 1, 2016.

2.2.1 New and revised KIFRSs adopted in the current period

The Company has applied amendment to KIFRS issued that are mandatorily effective for accounting periods beginning on or after January 1, 2016.

Amendments to KIFRS 1001 - Presentation of Financial Statements

The amendments clarify materiality and aggregation, and the requirements that apply when additional subtotals are presented in the statement of financial position and the statement of profit or loss, the order presenting the notes to financial statements, and the presentation of other comprehensive income of associates and joint ventures accounted for using the equity method.

Amendments to KIFRS 1016 - Property, Plant and Equipment

The amendments clarify the principle in KIFRS 1016 that revenue-based depreciation method cannot be used to depreciate property, plant and equipment.

Amendments to KIFRS 1038 - Intangible Assets

The amendments clarify the principle in KIFRS 1038 that revenue reflects a pattern of economic benefits that are generated from operating a business (of which the asset is part) rather than the economic benefits that are consumed through use of the asset. As a result, a revenue-based method may only be used in very limited circumstances to amortize intangible assets.

Amendments to KIFRS 1111 - Accounting for Acquisitions of Interests in Joint Operations

The amendments provide guidance on how to account for the acquisition of a joint operation that constitutes a business, as defined in KIFRS 1103 *Business Combinations*. A joint operator is also required to disclose the relevant information required by KIFRS 1103 and other standards for business combinations.

Amendments to KIFRS 1027 - Separate Financial Statements

The following amendments discuss accounting for investment in subsidiaries, affiliates and joint ventures accounted for at cost method and allow the selection of the application of KIFRS 1039 *Financial Instruments: Recognition and Measurement* or the application of equity method accounting under KIFRS 1028 *Investment in Associates and Joint Ventures*

The adoption of the above amendments does not have a material impact on the Company's financial position and financial performance.

2.2.2 New and revised KIFRSs issued, but not yet effective

The Company has not applied the following new and revised KIFRSs that have been issued, but are not yet effective.

KIFRS 1109 - Financial Instruments

KIFRS 1109 introduces classification and measurement based on both the entity's business model for managing the financial assets and the contractual cash flow characteristics of the financial assets, the expected credit loss model. Furthermore, KIFRS 1109 expands qualified hedged items and hedging instruments for hedge accounting and changes manners of effectiveness assessment. KIFRS 1109 replaces KIFRS 1039 *Financial Instruments: Recognition and Measurement*, which is effective for annual periods beginning on or after January 1, 2018.

2.2.2 New and revised KIFRSs issued, but not yet effective (cont'd)

KIFRS 1115 - Revenue from Contracts with Customers

Under KIFRS 1115, revenue is recognized at an amount that reflects the consideration to which an entity expects to be entitled in exchange for transferring goods or services to a customer. The new revenue standard will supersede all current revenue recognition requirements under KIFRS. Either a full retrospective application or a modified retrospective application is required for annual periods beginning on or after January 1, 2018.

2.3 Construction Contracts

When the outcome of a construction contract can be estimated reliably, contract revenue and contract costs associated with the construction contract shall be recognized as revenue and expenses respectively by reference to the stage of completion of the contract activity at the end of the reporting period. The stage of completion is measured by reference to the contract costs incurred, except for contract costs which are not able to apply the percentage of completion, up to the end of the reporting period as a percentage of total estimated costs for each contract. Variations in construction and others are included in revenue when the amount can be estimated reliably and it is likely to be recoverable.

When the outcome of a construction contract cannot be estimated reliably, revenue shall be recognized only to the extent of contract costs incurred that it is likely to be recoverable. When it is probable that total contract costs will exceed total contract revenue, the expected loss shall be recognized as an expense immediately.

A contract represents an asset where costs incurred plus recognized profits (less recognized losses) exceed progress billings (due from customers for contract work). And a contract represents a liability where the opposite is the case (due to customers for contract work).

2.4 Reclassification of comparative information

The Company reclassified certain accounts previously reported in the interim condensed separate financial statements in accordance with current interim condensed separate financial statements to ensure comparability. Such reclassifications have no effect on the Company's net income and net assets as previously reported.

3. Significant accounting judgements, estimates and assumptions

When preparing the interim condensed separate financial statements, management is required to make judgments, estimates and assumptions that affect the reported amount of assets, liabilities, revenues and expenses. Actual results may be different from those estimates.

Those accounting judgments made by management in the preparation of the interim condensed separate financial statements for the nine months ended September 30, 2016, are consistent with those followed in the preparation of the separate financial statements for the year ended December 31, 2015.

4. Financial instruments

4.1 Financial assets

Details of financial assets as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		Septembe	r 30, 2016							
	Financial assets at fair value through profit or loss	Loans and receivables	Available-for- sale financial assets	Total						
Current assets:										
Cash and cash equivalents	₩ -	₩ 335,311	₩ -	₩ 335,311						
Short-term financial instruments	-	47,620	-	47,620						
Trade accounts receivable (*1)	-	279,054	-	279,054						
Other accounts receivable	-	2,493	-	2,493						
Accrued income	-	460	-	460						
Short-term loans	-	600	-	600						
Guarantee deposits	-	3,300	-	3,300						
Derivative financial assets	2,712	<u> </u>		2,712						
	2,712	668,838		671,550						
Non-current assets:										
Long-term financial instruments	-	19	-	19						
Available-for-sale financial assets	-	-	159,387	159,387						
Guarantee deposits	-	18,556	-	18,556						
Derivative financial assets	157			157						
	157	18,875	159,387	178,119						
	₩ 2,869	₩ 687,413	₩ 159,387	₩ 849,669						
	December 31, 2015									
	Financial									
	assets at fair		Available-for-							
	value through	Loans and	sale financial							
	profit or loss	receivables	assets	Total						
Current assets:										
Cash and cash equivalents	₩ -	₩ 97,835	₩ -	₩ 97,835						
Short-term financial instruments	_	67,200	_	67,200						
Trade accounts receivable (*1)	_	378,597	_	378,597						
Other accounts receivable	-	1,369	-	1,369						
Accrued income	-	203	-	203						
Short-term loans	-	1,500	-	1,500						
Guarantee deposits	_	3,084	_	3,084						
Derivative financial assets	42	· -	-	42						
	42	549,788		549,830						
Non-current assets:										
Long-term financial instruments	-	19	-	19						
Long-term loans	-	181	-	181						
Available-for-sale financial assets	-	-	148,455	148,455						
Guarantee deposits	-	19,449	-	19,449						
Derivative financial assets	_	40.040		400 404						
		19,649	148,455	168,104						
	₩ 42	₩ 569,437	₩ 148,455	₩ 717,934						

^(*1) Unbilled receivables amounting to \$94,022 million and \$37,238 million as at September 30, 2016 and December 31, 2015, respectively, are not included in trade accounts receivable.

4.2 Financial liabilities

Details of financial liabilities as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	September 30, 2016									
	Financial lia	hrough	Otl			Tabal				
Current liabilities:	profit or le	OSS	financial	liabilities	-	Total				
	777		***	00.000	T T 7	00.000				
Short-term borrowings	₩	-	₩	80,000	₩	80,000				
Trade accounts payable		-		124,722		124,722				
Other accounts payable		-		50,338		50,338				
Accrued expenses		-		33,540		33,540				
Current portion of long-term debt		-		775,255		775,255				
Derivative financial liabilities		2,155				2,155				
		2,155		1,063,855		1,066,010				
Non-current liabilities:										
Bonds payable		-		5,013,097		5,013,097				
Leasehold deposits received		-		12,354		12,354				
Derivative financial liabilities		127				127				
		127		5,025,451		5,025,578				
	₩	2,282								
\underline{W}	6,089,306	₩	6,091,588							

	December 31, 2015									
	Financial I at fair value profit o	e through	Other financial liabilities	Total						
Current liabilities:										
Short-term borrowings	₩	-	₩ 250,000	₩ 250,000						
Trade accounts payable		-	109,400	109,400						
Other accounts payable		-	73,036	73,036						
Accrued expenses		-	42,940	42,940						
Current portion of long-term debt		-	918,835	918,835						
Derivative financial liabilities		241		241						
		241	1,394,211	1,394,452						
Non-current liabilities:										
Bonds payable		-	4,289,918	4,289,918						
Leasehold deposits received		-	12,425	12,425						
Derivative financial liabilities		3		3						
		3	4,302,343	4,302,346						
	₩	244	₩ 5,695,554	₩ 5,696,798						

4.3 Fair values of financial instruments by hierarchy level

The Company categorized financial instruments measured at fair value based on the inputs to measure the fair value. The level of hierarchy of fair value is as follows:

- Level 1: inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities that the entity can access at the measurement date;
- Level 2: inputs are inputs, other than quoted prices included within Level 1, that are observable for the asset or liability, either directly or indirectly; and
- Level 3: inputs are unobservable inputs for the asset or liability.

4.3 Fair values of financial instruments by hierarchy level (cont'd)

Details of fair value of financial instruments by hierarchy level as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	September 30, 2016									
		Level 1		Level 2		Level 3		Total		
Financial assets:										
Financial assets at fair value through										
profit or loss	₩	-	₩	2,869	₩	-	₩	2,869		
Available-for-sale financial assets (*1)		36,814		<u>-</u>		2,152		38,966		
	₩	36,814	₩	2,869	₩	2,152	₩	41,835		
Financial liabilities:										
Financial liabilities at fair value through										
profit or loss	₩	-	₩	2,282	₩	-	₩	2,282		
				Dagam	har	24 2045				
		Laval 1			ibei	31, 2015		Total		
Financial assets:		Level 1		Level 2		Level 3		Total		
Financial assets at fair value through										
profit or loss	₩	-	₩	42	₩	-	₩	42		
Available-for-sale financial assets (*1)		36,814		<u> </u>		<u> </u>		36,814		
	₩	36,814	₩	42	₩	<u>-</u>	₩	36,856		
Financial liabilities: Financial liabilities at fair value through										
profit or loss	₩	-	₩	244	₩	-	₩	244		

^(*1) This does not include available-for-sale financial assets, which are measured at acquisition cost because their fair values could not be reliably estimated.

5. Trade accounts receivable

Details of trade accounts receivable as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Septe	ember 30, 2016	Decem	nber 31, 2015
Trade accounts receivable:				
Trade accounts receivable	₩	280,631	₩	380,532
Unbilled receivables		94,022		37,238
		374,653		417,770
Allowance for doubtful accounts:				
Trade accounts receivable		(1,577)		(1,935)
	$\underline{\mathbb{W}}$	373,076	W	415,835

6. Inventories

Details of inventories as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	September 30, 2016							December 31, 2015				
		Valuation						Valuation				
		Cost	allo	allowance Book value			Cost		allowance		Book value	
Merchandise	₩	74,802	₩	(182)	₩	74,620	₩	83,123	₩	(104)	₩	83,019
Raw material		386		-		386		128		-		128
Materials-in-transit		50				50		51				51
	₩	75,238	₩	(182)	₩	75,056	₩	83,302	₩	(104)	₩	83,198

7. Available-for-sale financial assets

(1) Details of available-for-sale financial assets as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		Septembe	r 30	, 2016	December 31, 2015				
		Cost		Book value		Cost		Book value	
Marketable equity instruments	₩	45,841	₩	36,814	₩	45,841	₩	36,814	
Non-marketable equity instruments		124,868		122,023		114,597		111,100	
Debt securities (*1)		550		550		541		541	
	₩	171,259	₩	159,387	₩	160,979	₩	148,455	

- (*1) Represents Mobile TCS Co., Ltd.'s convertible bond.
- (2) Changes in available-for-sale financial assets for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

	For the nine months ended								
		September 30, 2016		September 30, 2015					
Beginning balance	₩	148,455	₩	367,193					
Acquisition		11,452		91,865					
Gain (loss) on valuation (*1)		652		(24,056)					
Disposals (*2)		(1,172)		(300,458)					
Business combination		<u> </u>		15,386					
Ending balance	₩	159,387	₩	149,930					

- (*1) Excludes the effect of deferred income tax recognized directly to equity amounting to \$158 million and \$5,822 million for the nine months ended September 30, 2016 and 2015, respectively.
- (*2) Investments in SK Holdings Co., Ltd. have been reclassified from investments in equity securities to investments in subsidiaries as the entity was acquired during the prior reporting period.

8. Investments in subsidiaries

(1) Details of investments in subsidiaries as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

							De	cember 31,
					September 30,	2016		2015
			Equity					
		Principal business	ownership		Acquisition			
	Domicile	activity	(%) (*1)		cost	Book value	В	ook value
SK Innovation Co., Ltd. (*2)	Korea	Resource						
		development	33.40	₩	3,072,937	₩ 3,072,937	₩	3,072,937
SK Telecom Co., Ltd. (*2)	Korea	Mobile tele-						
		communication	25.22		5,080,681	5,080,681		5,080,681
SK Networks Co., Ltd. (*2)	Korea	Trading and						
		distribution	39.14		706,229	706,229		706,229
SK Engineering & Construction								
Co., Ltd. (*2)	Korea	Construction	44.48		545,300	545,300		545,300
SK E&S Co., Ltd.	Korea	City gas						
		business	100.00		2,600,000	2,600,000		2,600,000
SK Shipping Co., Ltd.	Korea	Shipping	83.08		332,400	332,400		332,400
SKC Co., Ltd. (*2)	Korea	Petrochemicals						
		manufacturing	41.00		548,654	548,654		548,654
SKY Property Management Ltd. (*3)	China	Investment	5.00		44,885	44,885		44,885
SK GI Management	Cayman Islands	Investment	100.00		9,523	9,523		9,523
SK China Company, Ltd.	China	Consulting and						
		investment	80.76		299,352	299,352		299,352
SK Biopharmaceuticals Co., Ltd.	Korea	Life science	100.00		328,702	328,702		328,702
SK Biotek Co., Ltd. (*4)	Korea	Pharmaceutical						
		intermediates						
		manufacturing	100.00		163,818	163,818		-

8. Investments in subsidiaries (cont'd)

				. 2016	December 31, 2015	
	Domicile	Principal business activity	Equity ownership (%) (*1)	Acquisition cost	Book value	Book value
SK Industrial Development China						
Co., Ltd. (*3)	China	Investment	18.00	₩ 69,624	₩ 69,624	₩ 69,624
SK Technology Innovation		Research and				
Company (*3)	Cayman Islands	development	2.12	1,876	1,876	1,876
SK Forest Co., Ltd.	Korea	Landscape				
		construction	100.00	61,387	61,387	61,387
SK MENA Investment B.V. (*3) SK Latin Americas Investment	Netherlands	Investment	11.54	5,178	5,178	5,178
S.A. (*3)	Spain	Investment	11.54	5,135	5,135	5,135
Gemini Partners Pte. Ltd. (*3) Fitech Sector Limited	Singapore	Consulting Investment	20.00	6,018	6,018	6,018
Partnership IV (*3)	Korea	support	19.38	1,938	1,938	3,741
HAPPYNARAE Co., Ltd. (*3) Fitech Focus Limited	Korea	E-commerce Investment	5.00	1,436	1,436	1,436
Partnership Ⅱ (*3)	Korea	support	32.33	6,417	1,695	4,978
SK Infosec Co., Ltd.	Korea	Information				
		security services	100.00	37,904	44,077	43,752
SK C&C Beijing Co., Ltd.	China	Computer system	100.00	25,481	25,481	25,481
SK C&C India Pvt. Ltd.	India	Computer system	100.00	3,442	382	382
SK MENA B.V.	Netherlands	Investment	100.00	11,364	11,364	11,364
SK S.E.Asia Pte. Ltd.	Singapore	Investment	100.00	25,847	25,847	25,847
S&G Technology	Saudi Arabia	Computer system	51.00	74	74	74
SK ENCARSALES.COM., Ltd.	Korea	Online used				
		car retailers	50.01	13,914	13,914	13,914
SK Materials Co., Ltd. (*2, 5)	Korea	Special gas manufacturing				
		and sales	49.10	470,802	470,802	
				₩ 14,480,318	₩ 14,478,709	₩ 13,848,850

- (*1) Equity ownership is based on ordinary shares.
- (*2) SK Innovation Co., Ltd. and five other companies were classified as investment in subsidiaries as the Company is able to exercise de facto control. The remaining voting rights of SK Innovation Co., Ltd. and five other companies are widely dispersed, and the Company's voting rights are sufficient to give it power.
- (*3) Classified as investment in subsidiaries as control can be exercised using indirect equity ownership through the Company's subsidiaries.
- (*4) For the nine months ended September 30, 2016, the Company acquired 100% common shares of SK Biotek Co., Ltd. held by SK Biopharmaceuticals Co., Ltd., one of the subsidiaries and additionally acquired shares on March 4, 2016 for consideration of \text{\$\psi}40,000 million through the participation of share capital increase.}
- (*5) The Company acquired 49.10% shares of SK Materials Co. Ltd. for the consideration of ₩470,802 million on February 16, 2016.
- (2) Fair value of marketable investments in subsidiaries as at September 30, 2016 is as follows (Korean won in millions):

	Septen	nber 30, 2016
SK Innovation Co., Ltd.	$oldsymbol{W}$	4,987,732
SK Telecom Co., Ltd.		4,602,140
SK Networks Co., Ltd.		649,886
SKC Co., Ltd.		435,537
SK Materials Co., Ltd.		816,137

9. Investments in associates and joint ventures

Details of investments in associates and joint ventures as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

			;	September 30, 20	16	December 31, 2015
		Principal business	Equity			
	Domicile	activity	ownership (%)	Acquisition cost	Book value	Book value
Investments in associates:						
SBS Golf Co., Ltd.	Korea	Cable broadcast	21.38	₩ 3,300	₩ 8,554	₩ 8,554
Mobile TCS Co., Ltd.	Korea	Mobile service	41.00	820	820	820
Daehan Kanggun BcN Co., Ltd. (*1)	Korea	Wired communication	0.20	58	58	58
FSK Holdings Co., Ltd. (*2)	Hong Kong	IT service	30.00	11,937	11,937	20,725
Mozido Corfire, Inc. (*3)	USA	System consulting	19.94	6,767	-	-
SOCAR, Inc. (*4)	Korea	Rental of cars	20.00	58,860	58,860	
				81,742	80,229	30,157
Investments in joint ventures:						
Hana Land Chip PEF 33 (*1)	Korea	Real estate	13.51	40,000	40,000	40,000
				₩ 121,742	₩ 120,229	₩ 70,157

- (*1) The investment in the entity was classified as investments in associates and joint ventures based on the indirect ownership interest of the Company's subsidiary.
- (*2) Decrease in the book value due to capital reduction during the nine months ended September 30, 2016.
- (*3) As the Company is able to exercise significant influence over the entity although its ownership interests is less than 20%, the investment in the entity was classified as investments in associates.
- (*4) The investment in the entity was acquired during the nine months ended September 30, 2016.

10. Property, plant and equipment

(1) Details of property, plant and equipment as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		September 30, 2016					December 31, 2015			
	A	Acquisition	Accumulated			1	Acquisition	Accumulated		
		cost	depreciation		Book value		cost	depreciation		Book value
Land	₩	167,757	₩ -	₩	167,757	₩	163,134	₩ -	₩	163,134
Buildings		476,734	(89,098)	387,636		415,336	(78,176)		337,160
Structures		7,041	(90)	6,951		882	(1)		881
Machinery and equipment		425	(379)	46		399	(366)		33
Vehicles		7,970	(1,837)	6,133		7,987	(992)		6,995
Furniture and fixtures		296,629	(200,820)	95,809		270,939	(185,843)		85,096
Construction-in-progress		13,748			13,748		71,939			71,939
	₩	970,304	₩ (292,224) ₩	678,080	₩	930,616	₩ (265,378)	₩	665,238

(2) Changes in property, plant and equipment for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		Foi	the nine months end	ded September 30,	2016	
	Beginning					Ending
	balance	Acquisition	Depreciation	Disposal	Transfer	balance
Land	₩ 163,13	4 ₩ 4	₩ - ₩	- ₩	4,619 W	167,757
Buildings	337,16	9	(10,922)	-	61,389	387,636
Structures	88	1 -	(89)	-	6,159	6,951
Machinery and equipment	3:	3 26	(13)	-	-	46
Vehicles	6,99	5 133	(896)	(162)	63	6,133
Furniture and fixtures	85,09	3 29,176	(21,950)	(49)	3,536	95,809
Construction-in-progress	71,93	9 17,579		(4)	(75,766)	13,748
	₩ 665,23	8 \(\pm\) 46,927	₩ (33,870)	<u>(215)</u>	<u> </u>	678,080

10. Property, plant and equipment (cont'd)

			Fo	r th	e nine months	ended September	30,	2015	
		Beginning	Business						Ending
		balance	combinations		Acquisition	Depreciation		Disposal	balance
Land	₩	147,205	₩ 15,593	₩	336	₩ -	₩	- W	163,134
Buildings		336,132	13,578		1,266	(10,312)	-	340,664
Structures		-	882		-	-		-	882
Machinery and equipment		59	-		10	(23)	(5)	41
Vehicles		696	6,794		71	(332)	(22)	7,207
Furniture and fixtures		79,987	436	i	22,238	(20,125)	(398)	82,138
Construction-in-progress			46,338		10,334			<u> </u>	56,672
	₩	564,079	₩ 83,621	₩	34,255	₩ (30,792) ₩	(425) ₩	650,738

11. Investment property

(1) Details of investment properties as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		September 30, 2016					December 31, 2015				
	Ac	quisition	Accumulated			Α	cquisition	Accumulated			
		cost	depreciation	Book v	alue		cost	depreciation	Book value		
Land	₩	31,395	₩ -	₩	31,395	₩	31,395	₩ -	₩ 31,395		
Buildings		9,810	(498)		9,312		9,810	(178)	9,632		
	₩	41,205	₩ (498)	₩	40,707	₩	41,205	₩ (178)	₩ 41,027		

(2) Changes in investment properties for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

			For the nine	months ended S	eptember 30, 201	6		
	Beginnin	g					Eı	nding
	<u>balance</u>	<u>:</u>	Acquisit	ion	Depreciation		ba	lance
Land	₩	31,395	₩	- ₩		- ₩		31,395
Buildings		9,632	·	<u> </u>	(3	<u>320</u>)		9,312
	$\overline{\mathbb{W}}$	41,027	₩	<u>-</u> \(\frac{\text{\tint{\text{\ti}\}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\texi{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\exititt{\text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tinit}\\ \tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\titt{\text{\text{\text{\texi}\text{\text{\texi}\tint{\text{\texi}\tittt{\text{\texitt{\text{\texi{\texi{\texi{\texi}\text{\texit{\titt{\titil\titt{\titil\titt{\titil\titt{\tii}\texititt{\tex	(3	<u>320)</u> ₩		40,707
			For the nine	months ended S	eptember 30, 201	5		
	Beginning		Business					Ending
	balance	<u>c</u>	ombination	Acquisition	Depreci	ation		<u>balance</u>
Land	₩	- ₩	31,395	₩	- ₩	-	₩	31,395
Buildings		<u> </u>	9,809		<u> </u>	(71)		9,738
	₩	<u>-</u>	41,204	₩	<u> </u>	<u>(71</u>)	₩	41,133

12. Intangible assets

(1) Details of intangible assets as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

			5	September	30, 201	6			December 31, 2015						
	Acqu					Acquisition Accumulated			Accumulated						
	CC	ost	amo	rtization	impaii	rment	Book value	<u> </u>	cost	am	ortization	impa	airment	Вс	ook value
Development costs	₩	83,207	₩	(37,299)	₩	(1,226)	₹ 44,68	2 ₩	69,336	₩	(28,554)	₩	- W	Z.	40,792
Goodwill		4,639		-		-	4,63	9	4,639		-		-		4,639
Memberships		54,254		-	((17,979)	36,27	5	49,795		-		(17,979)		31,816
Brand contract															
-related assets	1,9	75,000		-		-	1,975,00	0	1,975,000		-		-		1,975,000
Others		25,484		(1,494)		<u> </u>	23,99	0	2,165		(1,260)		<u>-</u>		905
	₩ 2,1	42,584	₩	(38,793)	₩	(19,205) 1	₹ 2,084,58	6 ₩	¥2,100,93 <u>5</u>	₩	(29,804)	₩	<u>(17,979</u>) ₩	z.	2,053,152

12. Intangible assets (cont'd)

(2) Changes in intangible assets for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

	_			For	the nine mo	nths	ended Septe	embe	er 30, 2016		
		Beginning balance	Internally developed	Ad	cquisitions	An	nortization	lmı	pairment	Disposal	Ending balance
Development costs	₩	40,792 ₩	13,871	₩	-	₩	(8,755)	₩	(1,226)₩	- ₩	44,682
Goodwill		4,639	-		-		-		-	-	4,639
Memberships (*1)		31,816	-		8,039		-		-	(3,580)	36,275
Brand contract											
-related assets (*1)		1,975,000	-		-		-		-	-	1,975,000
Others	_	905			23,319		(234)		<u> </u>		23,990
	₩	2,053,152 ₩	13,871	₩	31,358	₩	(8,989)	₩	(1,226)₩	(3,580)₩	2,084,586

						For th	ne n	ine months e	nde	d September	30, 201	5		
		ginning alance		Business ombination		Internally developed	Α	cquisitions	Ar	mortization	Impair	ment_	Disposal	Ending balance
Development														
-costs	₩	45,942	₩	-	₩	8,540	₩	-	₩	(7,832)	₩ (4,966)₩	(7,256) ₩	34,428
Goodwill		4,639		-		-		-		-		-	-	4,639
Memberships (*1))	16,462		15,375		-		2,198		-		-	(270)	33,765
Brand contract -related														
-assets (*1)		-		1,975,000		-		-		-		-	-	1,975,000
Others		1,310						157		(226)			(324)	917
	₩	68,353	₩	1,990,375	₩	8,540	₩	2,355	₩	(8,058)	₩ (4,966)₩	(7,850) ₩	2,048,74
9														

^(*1) Memberships and brand contract-related assets are classified as intangible assets with infinite useful lives and are not amortized.

13. Borrowings and bonds payable

(1) Short-term borrowings

Details of short-term borrowings as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

Financial institution	Description	Interest rate (%)	September 30, 2016	December 31, 2015
KEB Hana Bank	Working capital loan	-	₩ -	₩ 50,000
Shinhan Bank	Working capital loan	-	-	50,000
KTB Investment				
& Securites	Working capital loan	-	-	60,000
Woori Bank	Working capital loan	-	-	30,000
NH Bank	Working capital loan	2.42	80,000	40,000
Kookmin Bank	Working capital loan	-		20,000
			₩ 80,000	₩ 250,000

(2) Bonds payable

Details of bonds payable as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

Issuance number	Interest rate (%)	Maturity	Security	September 3	0, De	cember 31, 2015
253-2nd	-	2016-04-04	Unsecured	₩	- ₩	140,000
254-2nd	-	2016-08-26	Unsecured		-	200,000
255-2nd	4.05	2016-12-15	Unsecured	200,0	000	200,000
256-2nd	3.78	2017-05-25	Unsecured	200,0	000	200,000
257-1st	3.21	2017-08-27	Unsecured	150,0	000	150,000
257-2nd	3.36	2019-08-27	Unsecured	100,0	000	100,000

13. Borrowings and bonds payable (cont'd)

Issuance number	Interest rate (%)	Maturity	Security	September 30, 2016	December 31, 2015
258-1st	3.21	2017-10-19	Unsecured	₩ 100,000	
258-2nd	3.35	2019-10-19	Unsecured	100,000	100,000
259-1st	-	2016-06-03	Unsecured	-	100,000
259-2nd	3.34	2020-06-03	Unsecured	100,000	100,000
260-1st	3.59	2018-09-06	Unsecured	100,000	100,000
260-2nd	3.84	2020-09-06	Unsecured	100,000	100,000
261-1st	3.77	2018-12-03	Unsecured	150,000	150,000
261-2nd	3.97	2020-12-03	Unsecured	100,000	100,000
262-1st	3.43	2019-02-12	Unsecured	150,000	150,000
262-2nd	3.68	2021-02-12	Unsecured	100,000	100,000
263-1st	3.19	2019-05-30	Unsecured	150,000	150,000
263-2nd	3.36	2021-05-30	Unsecured	100,000	100,000
264-1st	3.04	2019-08-05	Unsecured	80,000	80,000
264-2nd	3.25	2021-08-05	Unsecured	170,000	170,000
265-1st	2.28	2017-12-02	Unsecured	100,000	100,000
265-2nd	2.45	2019-12-02	Unsecured	100,000	100,000
265-3rd	2.66	2021-12-02	Unsecured	100,000	100,000
266-1st	2.26	2020-02-06	Unsecured	150,000	150,000
266-2nd	2.39	2022-02-06	Unsecured	100,000	100,000
267th	-	2016-09-23	Unsecured	-	100,000
268th	4.24	2016-11-10	Unsecured	120,000	120,000
269-1st	3.82	2017-06-14	Unsecured	100,000	100,000
269-2nd	4.12	2019-06-14	Unsecured	150,000	150,000
270-1st	3.19	2017-11-02	Unsecured	100,000	100,000
270-2nd	3.39	2019-11-02	Unsecured	50,000	50,000
270-3rd	3.80	2022-11-02	Unsecured	50,000	50,000
271-1st	3.03	2018-02-27	Unsecured	100,000	100,000
271-2nd	3.34	2020-02-27	Unsecured	100,000	100,000
272-1st	-	2016-08-30	Unsecured	-	50,000
272-2nd	3.57	2018-08-30	Unsecured	100,000	
272-3rd	3.92	2020-08-30	Unsecured	60,000	60,000
273-1st	3.47	2019-03-25	Unsecured	100,000	100,000
273-2nd	3.79	2021-03-25	Unsecured	100,000	100,000
273-3rd	4.26	2024-03-25	Unsecured	100,000	100,000
274-1st	1.94	2018-09-30	Unsecured	70,000	70,000
274-2nd	2.17	2020-09-30	Unsecured	150,000	150,000
274-3rd	2.34	2022-09-30	Unsecured	80,000	80,000
275-1st	2.27	2018-12-07	Unsecured	120,000	120,000
275-2nd	2.52	2020-12-07	Unsecured	120,000	120,000
275-3rd	2.66	2022-12-07	Unsecured	60,000	60,000
276-1st	1.73	2018-03-07	Unsecured	130,000	=
276-2nd	2.02	2021-03-07	Unsecured	120,000	=
276-3rd	2.26	2023-03-07	Unsecured	150,000	=
277-1st	1.70	2018-06-01	Unsecured	100,000	-
277-2nd	1.93	2021-06-01	Unsecured	120,000	-
277-3rd	2.16	2023-06-01	Unsecured	120,000	-
277-4th	2.43	2026-06-01	Unsecured	60,000	-
278-1st	1.49	2018-09-07	Unsecured	180,000	-
278-2nd	1.65	2021-09-07	Unsecured	110,000	=
278-3rd	1.80	2023-09-07	Unsecured	110,000	
A 1 1111				5,730,000	
Addition: premium o				58,352	
Less: current portion	1			(775,255)	
				₩ 5,013,097	₩ 4,289,918

13. Borrowings and bonds payable (cont'd)

(3) The Company's bonds payable repayment schedule as at September 30, 2016 is as follows (Korean won in millions):

	Amour	it of repayment
October 1, 2016 ~ September 30, 2017	₩	770,000
October 1, 2017 ~ September 30, 2018		1,080,000
October 1, 2018 ~ September 30, 2019		1,000,000
October 1, 2019 ~ September 30, 2020		910,000
October 1, 2020 and thereafter		1,970,000
	₩	5,730,000

14. Provisions

Changes in provisions for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		For the	e nine	e months ende	d Ser	otember 30, 2010	6	
	Beginn	ning balance		Increase		Decrease	End	ling balance
Provision for service warranties	₩	4,620	₩	3,777	₩	(5,420)	₩	2,977
Provision for sale warranties		680		29		<u> </u>		709
	₩	5,300	₩	3,806	₩	(5,420)	₩	3,686
		For the	e nine	e months ende	d Ser	otember 30, 201	5	
	Beginn	ning balance		Increase		Decrease	End	ling balance
Provision for service warranties	₩	4,539	₩	5,754	₩	(5,882)	₩	4,441
Provision for sale warranties		334		309		<u> </u>		643
	₩	4,873	₩	6,063	₩	(5,882)	₩	5,054

The Company estimates a provision for service warranties for revenue from projects based on historical claim rates and past experiences. The Company recognizes a provision for sales warranties for products sold and services rendered, based on the weighted average of possible outcomes.

15. Retirement benefit obligation

(1) Defined contribution plans

The Company operates a defined contribution plan for certain employees. The expenses related to the defined contributions plans recognized for the nine months ended September 30, 2016 amount to \W10 million.

(2) Defined benefit plans

Those employees selecting the defined benefit plans shall be paid fixed amounts upon retirement, where certain conditions are met. In addition, the Company uses the projected unit credit method based on actuarial assumptions for the defined obligation and plan assets.

(3) Details of retirement benefit obligation as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Septen	nber 30, 2016	Dec	ember 31, 2015
Present value of defined benefit obligation	₩	249,124	₩	211,451
Fair value of plan assets		(185,737)		(185,030)
	$\overline{\mathbb{W}}$	63,387	₩	26,421

15. Retirement benefit obligation (cont'd)

(4) Changes in the retirement benefit obligation for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

Present value of defined benefit obligation of defined benefit obligation of plan assets Total			For the r	nine m	nonths ended Ju	ine 30, 2016
Beginning balance benefit obligation plan assets Total Provision for pension benefits: V 211,451 V (185,030) V 26,421 Provision for pension benefits: Current service cost 20,372 3 20,372 20,452 20,452 20,452 20,452 20,452 20,452 20,453 20,453 20,453 20,453 20,453 20,453		Pres	sent value			
Beginning balance W 211,451 W (185,030) 26,421 Provision for pension benefits: 20,372 - 20,372 20,372 Current service cost 3,230 (3,020) 210 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 554 5,750 Experience adjustments 5,750 - 514 (514) Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Present value of defined benefit obligation Fair value of plan assets Total Beginning balance W 171,015 W (155,371) Total Business combination 21,967 (5,077) 16,890 Provision for pension benefits: Current service cost 19,689 - 1,060 1,060 Current service cost 19,689		of	defined	Fai	r value of	
Beginning balance W 211,451 W (185,030) 26,421 Provision for pension benefits: 20,372 - 20,372 20,372 Current service cost 3,230 (3,020) 210 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 554 5,750 Experience adjustments 5,750 - 514 (514) Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Present value of defined benefit obligation Fair value of plan assets Total Beginning balance W 171,015 W (155,371) Total Business combination 21,967 (5,077) 16,890 Provision for pension benefits: Current service cost 19,689 - 1,060 1,060 Current service cost 19,689		benef	it obligation	pla	an assets	Total
Current service cost 20,372 - 20,372 Net interest expense (income) 3,230 (3,020) 210 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 9,653 - 9,653 Experience adjustments 5,750 - (514) (514) Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Present value of defined benefits obligation Fair value of plan assets Total Beginning balance W 171,015 (5,077) 16,890 Provision for pension benefits: Total (5,077) 16,890 Provision for pension benefits: Total (5,077) 16,890 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in n	Beginning balance	₩	211,451	₩	(185,030) ₩	26,421
Net interest expense (income) 3,230 (3,020) 210 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 9,653 Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,872 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Present value of benefit obligation of defined benefit obligation of plan assets Fair value of benefit obligation plan assets Total Beginning balance W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense)	Provision for pension benefits:					
Remeasurement: Return on plan assets (excluding amounts included in net interest expense) 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 9,653 Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance W 171,015 Fair value of plan assets Fair value of plan assets Total Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851	Current service cost		20,372		-	20,372
Return on plan assets (excluding amounts included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 9,653 Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Present value of defined benefit obligation plan assets Total Provision for pension benefits: W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from	Net interest expense (income)		3,230		(3,020)	210
Included in net interest expense) - 554 554 Actuarial changes arising from changes in financial assumptions 9,653 - 9,653 Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance W 171,015 Fair value of plan assets Total Present value of defined benefit obligation plan assets Total Beginning balance W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) -	Remeasurement:					
Actuarial changes arising from changes in financial assumptions 9,653 - 5,750	Return on plan assets (excluding amounts					
in financial assumptions 9,653 - 9,653 Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance ₩ 249,124 ₩ (185,737) ₩ 63,387 Present value of defined benefit obligation of defined benefit obligation plan assets Fair value of plan assets Total Beginning balance ₩ 171,015 ₩ (155,371) ₩ 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost sincome) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others	included in net interest expense)		-		554	554
Experience adjustments 5,750 - 5,750 Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 3,373 (2,703) 670 Remeasurement: Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	Actuarial changes arising from changes					
Contributions by employer directly to plan assets - (514) (514) Benefit paid (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance For the nine months ended September 30, 2015 Present value of defined benefit obligation Fair value of plan assets Total Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	in financial assumptions		9,653		-	9,653
Benefit paid Others (6,004) 5,603 (401) Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance For the nine months ended September 30, 2015 Present value of benefit obligation Fair value of plan assets Total Beginning balance W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: Current service cost 19,689 - 19,689 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	Experience adjustments		5,750		-	5,750
Others 4,672 (3,330) 1,342 Ending balance W 249,124 W (185,737) W 63,387 Beginning balance For the nine months ended September 30, 2015 Present value of benefit obligation benefits of defined benefit obligation of plan assets Fair value of plan assets Total Beginning balance W 171,015 W (155,371) W 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	Contributions by employer directly to plan assets		-		(514)	(514)
Ending balance W 249,124 W (185,737) W 63,387	Benefit paid		(6,004)		5,603	(401)
For the nine months ended September 30, 2015	Others		4,672		(3,330)	1,342
For the nine months ended September 30, 2015 Present value of defined benefit obligation plan assets Total Provision for pension benefits: Current service cost 19,689	Ending balance	₩	249,124	₩	(185,737) ₩	63,387
Beginning balance ₩ 171,015 ₩ (155,371) ₩ 15,644 Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: 8 - 1,060 1,060 Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)		Pres of	sent value defined	Fai	ir value of	
Business combination 21,967 (5,077) 16,890 Provision for pension benefits: 19,689 - 19,689 Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: 8 8 1,060 1,060 Actuarious changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	Deginning halance					
Provision for pension benefits: Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)		VV	•	VV		
Current service cost 19,689 - 19,689 Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)			21,967		(5,077)	16,890
Net interest expense (income) 3,373 (2,703) 670 Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	•		19 689		_	19 689
Remeasurement: Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)			•		(2 703)	•
Return on plan assets (excluding amounts included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)			0,070		(2,700)	070
included in net interest expense) - 1,060 1,060 Actuarial changes arising from changes in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)						
Actuarial changes arising from changes 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	, , , , , , , , , , , , , , , , , , , ,		_		1.060	1 060
in financial assumptions 11,851 - 11,851 Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)	·				1,000	1,000
Benefit paid (15,410) 13,047 (2,363) Others 2,032 (2,166) (134)			11 851		_	11 851
Others <u>2,032</u> <u>(2,166)</u> <u>(134)</u>	·				13 047	•
	•		, ,			, , ,
·	Ending balance	₩	214,517	₩	(151,210) W	63,307

16. Other assets and liabilities

(1) Details of other assets as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Sep	tember 30, 2016		December 31, 2015
Current assets:				
Accrued income	₩	460	₩	203
Short-term loans		600		1,500
Advance payments		9,032		61,533
Prepaid expenses		10,118		9,267
Guarantee deposits		3,300		3,084
Derivative financial assets		2,712		42
Others		54		4
	₩	26,276	₩	75,633
Non-current assets:				
Long-term financial instruments	₩	19	₩	19
Long-term loans		-		181
Long-term guarantee deposits		18,556		19,449
Derivative financial assets		157		-
Others		4,851		5,485
	₩	23,583	₩	25,134

(2) Details of other liabilities as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Septem	ber 30, 2016	December 31, 2015		
Current liabilities:	·				
Advance received	₩	48,828	₩	59,028	
Withholdings		27,332		29,247	
Income tax payable		15,485		21,610	
Derivative financial liabilities		2,155		241	
Others		74		<u> </u>	
	₩	93,874	₩	110,126	
Non-current liabilities:					
Leasehold deposits received	₩	12,354	₩	12,425	
Derivative financial liabilities		127		3	
Others		5,044		4,597	
	₩	17,525	₩	17,025	

17. Derivative financial assets and liabilities

The Company has entered into foreign currency forward contracts to manage fluctuations in currency exchange rates relating to its contracts denominated in foreign currencies. Details of assets and liabilities after valuation as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		September 30, 2016				December 31, 2015			
		Assets	Lia	bilities	A	ssets	Liabilities		
Currency forward contract	₩	2,869	₩	2,282	₩	42	₩	244	

18. Equity

18.1 Issued capital

Details of issued capital as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		September 30, 2016		December 31, 2015
Number of shares authorized for issue		400,000,000		400,000,000
Par value per share (Korean won)	₩	200	₩	200
Number of shares issued:				
Ordinary share		70,360,297		70,360,297
Preferred share		566,135		566,135
Issued capital:				
Ordinary share	₩	15,272	₩	15,272
Preferred share		113		113
	₩	15,385	₩	15,385

The Company retired 6,000,000 shares of its treasury share (par value: \$1,200 million) by reducing retained earnings, which resulted in a difference between total par value of ordinary shares and issued capital.

18.2 Other paid-in capital

Details of other paid-in capital as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Septer	December 31, 2015			
Paid-in surplus (*1)	₩	5,605,831	₩	5,605,831	
Treasury share (*2)		(904,490)		(904,490)	
Others		17,711		17,711	
	₩	4,719,052	₩	4,719,052	

- (*1) During the year ended December 31, 2015, the Company repurchased treasury shares of ₩3,369,310 million from the merger with SK Holdings Co., Ltd. which was recognized as a contra account of paid-in surplus.
- (*2) As at September 30 2016, the Company holds treasury shares acquired in order to enhance corporate value and stabilize stock price, and shares acquired from dissenting shareholders and arising from odd lot shares on business combination. There were no disposal or acquisition of treasury shares for the nine months ended September 30, 2016.

18.3 Retained earnings

Details of retained earnings as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	<u>Septer</u>	December 31, 2015			
Legal reserve (*1)	₩	7,693	₩	5,100	
Voluntary reserve		80,896		102,563	
Unappropriated retained earnings		7,084,099		6,628,876	
	₩	7,172,688	₩	6,736,539	

(*1) In accordance with the Korean Commercial Code, an amount equal to at least 10% of cash dividends is required to be appropriated as a legal reserve until the reserve equals 50% of issued capital. The legal reserve may not be utilized for cash dividends but may only be used to offset a deficit, if any, or be transferred to issued capital through approval at the general meeting of the shareholder.

18.4 Other capital components

Details of other capital components as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

19. Operating revenues

(1) Details of operating revenues for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		September 3	016		September 30, 2015					
		Three months	Nine months			Three months		Nine months		
IT service (*1)	₩	367,686	₩	1,026,697	₩	320,960	₩	924,724		
Used car distribution		209,695		625,050		171,352		495,591		
Dividend income		21,996		596,622		772		772		
Trademark usage income		50,845		152,783		39,549		39,549		
Rental income		11,573		34,862		5,850		5,850		
	₩	661,795	₩	2,436,014	₩	538,483	₩	1,466,486		

- (*1) Includes contract revenue of ₩ 285,707 million and ₩ 233,991 million recognized from construction contract for the nine months ended September 30, 2016 and 2015, respectively.
- (2) Details of accumulated cost, accumulated profit, unbilled receivables, overbilled receivables related to construction contracts in progress as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

	Septem	nber 30, 2016		December 31, 2015			
Accumulated cost and profit	₩	324,254	₩	251,195			
Progress billings		244,224		232,504			
Unbilled receivables (trade accounts receivable)		94,022		37,238			
Overbilled receivables (advance receipts)		13,992		18,547			

(3) Details of construction profit variation by changes of accounting estimates related to construction contracts as at September 30, 2016 are as follows (Korean won in millions):

	Change in estimated			Change in		Impact on		Impact on	
	construction revenue			in estimated	current period			future period	
				cost		profit (loss)	profit (loss)		
Construction contracts (*1)	₩	13,173	₩	11,683	₩	1,291	₩		199

(*1) For the purpose of KIFRS 1108 Operating Segments, the Company has a single reportable segment and therefore need not separately disclose the business segment.

Impact on profit of current and future period has been calculated by the estimated construction costs based on the situations which occurred from the inception of construction contract to current reporting period and the estimated construction revenue as at current reporting period. Estimated construction cost and revenue can be changed in the future period.

(4) There are no construction contracts where the percentage of work completed is measured based on the ratio of total costs incurred to date to the total estimated contract costs, and the contract revenue exceeds 5% of the preceding year's revenue.

20. Operating expenses

Details of operating expenses for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		Septembe	er 30, 2016		September 30, 2015				
	Three	months	Nine m	onths	Three months	Nine m	onths		
Material costs	₩	240,393	₩	723,917	₩ 193,383	₩	551,132		
Outsourcing costs		149,846		395,095	111,230		314,064		
Salaries		78,185		230,145	68,982		200,600		
Provision for pension benefits		6,854		20,168	6,244		20,087		
Depreciation		12,181		33,078	10,196		28,727		
Amortization		1,326		4,011	1,109		4,257		
Rents		12,406		35,662	9,406		15,141		
Communications		5,582		16,956	5,754		17,736		
Employee welfare benefits		11,959		39,057	12,976		35,483		
Commissions		8,397		22,854	8,849		17,641		
Advertising		9,250		33,832	10,854		15,880		
Education and training		3,329		9,952	2,869		6,262		
Research and development		5,477		13,481	4,532		11,027		
Office management		9,159		24,555	8,589		19,586		
Travel		3,376		9,966	3,518		8,241		
Others		8,520		21,883	6,558		14,738		
	₩	566,240	₩	1,634,612	₩ 465,049	₩	1,280,602		

21. Expenses classified based on nature of expense

Details of classification based on nature of expenses for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		September 30, 2016				September 30, 2015				
	T	hree months		Nine months		Three months	Nine months			
Material costs	₩	240,518	₩	724,275	₩	193,978	₩	551,770		
Outsourcing costs		151,086		396,718		112,692		316,280		
Salaries		80,047		233,403		69,632		202,474		
Provision for pension benefits		7,095		20,826		6,332		20,361		
Depreciation and amortization		14,852		42,859		13,146		38,850		
Rents		12,406		35,663		9,408		15,143		
Communications		5,583		16,958		5,753		17,736		
Employee welfare benefits		12,309		40,052		13,102		35,890		
Commissions		8,478		23,072		8,838		17,642		
Education and training		3,424		10,170		2,891		6,324		
Office management		9,159		24,555		8,477		19,586		
Travel		3,429		10,152		3,522		8,252		
Others		17,854		55,909		17,278		30,294		
	₩	566,240	₩	1,634,612	₩	465,049	₩	1,280,602		

22. Financial income (costs) and other non-operating income (expenses)

22.1 Financial income and costs

Details of financial income and costs for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		Septembe	, 2016	September 30, 2015				
	_	Three months		Nine months	Tr	ree months		Nine months
Financial income:								
Interest income	₩	1,341	₩	2,870	₩	1,895	₩	3,259
Gain on foreign currency transactions		2,152		3,579		614		1,562
Gain on foreign currency translation		27		365		2,075		2,862
Gain on valuation of								
derivative instruments		3,155		4,213		559		1,022
Gain on transactions of								
derivative instruments		606		826		158		413
	₩	7,281	₩	11,853	₩	5,301	₩	9,118
Financial costs:								
Interest expenses	₩	37,270	₩	110,187	₩	27,271	₩	57,523
Loss on foreign currency transactions		2,554		4,225		1,506		3,357
Loss on foreign currency translation		580		1,076		418		732
Loss on valuation of								
derivative instruments		2,859		3,491		1,024		1,093
Loss on transactions of								
derivative instruments		188		760		371		764
	₩	43,451	₩	119,739	₩	30,590	₩	63,469

22.2 Other non-operating income and expenses

Details of other non-operating income and expenses for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		Septembe	er 30, 2	2016		September 30, 2015				
	T	hree months	N	ine months	TI	hree months		Nine months		
Other non-operating income:										
Dividends income	₩	-	₩	1,200	₩	504	₩	¥ 59,906		
Gain on disposal of available-for-sale										
financial assets		-		125		114		114		
Gain on disposal of investments in										
associates and subsidiaries		306		1,627		2,127,693		2,127,693		
Gain on disposal of property, plant										
and equipment		9		39		2		99		
Gain on disposal of intangible assets		-		167		-		-		
Gain on bargain purchase		-		-		4,117,255		4,117,255		
Others		238		673		2,792		3,219		
	₩	553	₩	3,831	₩	6,248,246	₩	<i>₹</i> 6,308,286		
Other non-operating expenses:										
Loss on disposal of available-for-sale										
financial assets	₩	-	₩	13	₩	102,086	₩	102,086		
Loss on disposal of property, plant										
and equipment		44		104		-				
133	;	106								
Loss on disposal of intangible assets		2		358		-		222		
Impairment of intangible assets		259		1,226		25		4,966		
Loss on disposal of investments in										
associates and subsidiaries		730		730		-		-		
Donations		1,975		9,562		1,417		1,648		
Others		358		1,446		1,213	_	2,133		

Notes to the interim condensed separate financial statements for the nine months ended September 30, 2016 and 2015

VV 3,300 VV 13,439 VV 104,741 VV 111,10	₩	3,368 ₩	13,439 ₩	104,741 ₩	111,188
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23. Income taxes

The Company calculated corporate income tax expense by adding the current period adjustments to the accumulated interim tax expense, reflecting deferred tax expense (income) due to changes in temporary differences and considering adjustments not related to the interim profit or loss.

Effective tax rates for the nine months ended September 30, 2016 and 2015 were 6.42% and 8.28%, respectively.

24. Earnings per share

(1) Basic earnings per share for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions, except per share information):

	September 30, 2016					September 30, 2015					
	Three	e months	N	ine months	Th	ree months	Nine months				
Net											
income	₩	50,035	₩	639,993	₩	5,693,376	₩ 5,804,3	9			
5											
Less: Preferred share dividends		(487)		(1,460)		-		-			
Net income attributable to ordinary											
share	owners	;			of		the	е			
Company	₩	49,548	₩	638,533	₩	5,693,376	₩ 5,804,3	9			
5											
Weighted-average number of											
issued shares outstanding (*1)		55,824,357		55,824,357		54,003,456	54,003,45	6			
Basic earnings per share (Korean wo	า)	887		11,438		105,426	122,80	9			

^(*1) The weighted-average number of common share outstanding is issued share divided by period of circulation. The treasury share held until the disposal date, after the date of acquisition, is excluded from the number of common share outstanding.

(2) The weighted-average number of issued shares outstanding for the three months and the nine months ended September 30, 2016 and 2015 are as follows:

	September	30, 2016	September 30, 2015			
	Three months	Nine months	Three months	Nine months		
Weighted-average number of						
shares outstanding	70,360,297	70,360,297	61,510,447	52,364,900		
Weighted-average number of						
treasury shares	(14,535,940)	(14,535,940)	(7,506,991)	(5,101,257)		
Weighted-average number of						
issued shares outstanding	55,824,357	55,824,357	54,003,456	47,263,643		

25. Transactions with related parties

Details of significant transactions with related parties for nine months ended September 30, 2016 and 2015, and significant balances with related parties as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

(1) The related parties of the Company as at September 30, 2016 are as follows:

		Company name
Ultimate controlling party	Tae-won Chey and related parties	· ·

Subsidiary (total of 287)

SK Innovation Co., Ltd., SK Energy Co., Ltd., Netruck Co., Ltd., Jeju United FC Corporation, SK Energy Road Investment Co., Ltd., SK Energy Road Investment (HK) Co., Ltd., Ningbo SK Baoying Asphalt Storage Co., Ltd., Hefei SK Baoying Asphalt Co., Ltd., Chongqing SK Asphalt Co., Ltd., SK Shanghai Asphalt Co., Ltd., SK Energy Hong Kong Co., Ltd., Shandong SK Hightech Oil Co., Ltd., SK Global Chemical Co., Ltd., SK Global Chemical (China) Holding Co., Ltd., SK Global Chemical International Trading (Shanghai) Co., Ltd., SK Global Tide Plastics

25. Transactions with related parties (cont'd)

Subsidiary (total of 287)

Company name

(Yantai) Co., Ltd., SK Global Chemical International Trading (Guangzhou) Co., Ltd., Shanghai Huayou Internaional Freight Forwarding Co., Ltd., SK Global Chemical Americas, Inc., SK Global Chemical Japan Co., Ltd., SK Global Chemical Singapore Pte. Ltd., SK Global Chemical Investment Hong Kong Ltd., Ningbo SK Performance Rubber Co., Ltd., SK Incheon Petrochem Co., Ltd., SK Trading International Co., Ltd., SK Energy International Pte. Ltd., SK Energy Europe, Ltd., SK Energy Americas, Inc., SK Terminal B.V., Bergaya International Pte. Ltd., SK Lubricants Co., Ltd., Yubase Manufacturing Asia Corporation, SK Energy Lubricants (Tianjin) Co., Ltd., PT. Patra SK, SK Lubricants & Oils India Private Limited, SK Lubricants Americas, Inc., SK Lubricants Europe B.V., SK Lubricants Japan Co., Ltd., Iberian Lube Base Oils S.A., SK Lubricants Russia LLC, SK Mobile Energy Co., Ltd., SK Innovation Insurance (Bermuda), Ltd., SK USA, Inc., SK Energy Australia (Togara) Pty. Ltd., Moche Energy Company, LLC, SK E&P Company, SK E&P America, Inc., SK Plymouth, LLC, SK Permian, LLC, SK Battery Systems Co., Ltd., SK Telecom Co., Ltd., SK Telink Co., Ltd., SK Broadband Co., Ltd., PS&Marketing Corp., Serviceace Co., Ltd., Service Top Co., Ltd., Networkons Co., Ltd., Neosnetworks Co., Ltd., SK techx Co., Ltd., One store Co., Ltd., SK Planet Co., Ltd., M&SERVICE Co., Ltd., SK Communications Co., Ltd., Stonebridge Cinema Fund, K-Net Culture & Contents Venture Fund, Fitech Focus Limited Partnership II, Open Innovation Fund, SK Planet Japan, K. K., SK Planet Global Pte. Ltd., SKP America LLC, shopkick Management Company, Inc., shopkick, Inc., SKP Global Holdings Pte. Ltd., SK Telecom China Holding Co., Ltd., SK Global Healthcare Business Group., Ltd., SKT Vietnam Pte. Ltd., SKT Americas Inc., YTK Investment Ltd., Atlas Investment Ltd., Technology Innovation Partners, L.P., SK Telecom China Fund I L.P., IRIVER LIMITED, iriver America Inc., iriver Inc., iriver Enterprise Ltd., iriver China Co., Ltd., Dongguan iriver Electronics Co., Ltd., Groovers JP Ltd., ENTRIX Co., Ltd., Planet11 E-commerce Solutions India Pvt. Ltd., 11street (Thailand) Co., Ltd., SK Networks Co., Ltd., SK Networks Service Co., Ltd., SK Pinx Co., Ltd., Car Life Service Co., Ltd. (formerly, Speed Motors Co., Ltd.), SKN (China) Holdings Co., Ltd., SK Networks (China) Fashion Co., Ltd., Liaoning SK Networks Real Estate Development Co., Ltd., Shenyang SK Bus Terminal Co., Ltd., Liaoning SK Networks Logistics Co., Ltd., Dandong SK Networks Energy Co., Ltd., Shenyang SK Networks Energy Co., Ltd., SK Liaoning Construction Co., Ltd., SK (GZ FreeZone) Co., Ltd., SK Networks (Shanghai) Co., Ltd., POSK (Pinghu) Steel Processing Center Co., Ltd., SK Networks Hong Kong Ltd., SK (Guangzhou) Metal Co., Ltd., SK Networks (Xiamen) Steel Processing Center Co., Ltd., SK Auto Service Hong Kong Co., Ltd., SK (Shenyang) auto rental Co., Ltd., SK (Beijing) auto rental Co., Ltd., SK Rent-A-Car (Qingdao) Co., Ltd., SK Networks Japan Co., Ltd., Obzee N.Y. Inc., SK Networks Deutschland GmbH, Daiyang SK Networks SAN. VE TIC. Ltd. STI, SK Networks Resources Australia Pty. Ltd., SK Steel Australia Pty. Ltd., SKC Co., Ltd., SK Telesys Co., Ltd., SK Airgas Co., Ltd., (formerly, SKC Airgas Co., Ltd.), SKC Solmics Co., Ltd., Solmics Taiwan Co., Ltd., Solmics Shanghai Co., Ltd., SKW Co., Ltd., SKC (Jiangsu) High tech Plastics Co., Ltd., SKC, Inc., SKC Europe GmbH, SK bioland Co., Ltd.(formerly, Bioland Co., Ltd.), Bioland Biotec Co., Ltd., Bioland Haimen Co., Ltd., SE (JIANGSU) Electronic Materials Co., Ltd., Techdream Co., Ltd., SKC INFRA SERVICE Co., Ltd., SK Shipping Co., Ltd., GaSan 2nd L.L.C, BLUESEAOCEAN 1ST L.L.C, BLUESEAOCEAN 2ND L.L.C, With Ocean L.L.C, YUKYUNG 1ST L.L.C, SK Shipping Hongkong Ltd., SK Shipping Singapore Pte. Ltd., SK B&T Pte. Ltd., Promise Shipholding S.A. and 61 other companies, SK Shipping Europe Plc., SK E&S Co., Ltd., Kangwon City Gas Co., Ltd., Yeongnam energy service Co., Ltd., Ko-one energy service Co., Ltd., Narae energy service Co., Ltd., Pusan City Gas Co., Ltd., Jeonbuk Energy Service Co., Ltd., Chonnam City Gas Co., Ltd., Chungcheong energy service Co., Ltd., Paju Energy Service Co., Ltd.(formerly, PMP Co., Ltd.), Wirye energy service Co., Ltd., SK E&S Hong Kong Co., Ltd., SK E&S Australia Pty. Ltd., SK E&S Americas, Inc., SK E&S LNG, LLC, DewBlaine Energy, LLC, CAILIP Gas Marketing, LLC, SK LNG Trading Pte. Ltd., PT SK E&S Nusantara, SK Engineering & Construction Co., Ltd., Seosuwon Development Company, SK TNS Co., Ltd., SKEC Nanjing Co., Ltd., SKEC (Thai), Ltd., Thai Woo Ree Engineering Co., Ltd., SKEC Anadolu, LLC, SK E&C Betek Corporation, Mesa Verde RE Ventures, LLC, N-Compass Development, LLC, SKEC Consultores Ecquador, S.A., Sunlake Co., Ltd., SK E&C India Pvt. Ltd., SK HOLDCO PTE. LTD., SK Materials Co., Ltd., SK Materials Japan Co., Ltd., SK Materials Taiwan Co., Ltd., SK Materials (Jiangsu) Co., Ltd., SK Materials (Xian) Co., Ltd., SK

Tri chem Co., Ltd., SK Infosec Co., Ltd., SK ENCARSALES.COM., Ltd., SK C&C Beijing Co., Ltd., SK C&C Chengdu Co., Ltd., SK C&C India Pvt. Ltd., SK MENA B.V., SK S.E.Asia Pte. Ltd., ESSENCORE Limited, ISD Technology (ShenZhen) Limited, S&G Technology, SK Biopharmaceuticals Co., Ltd., SK Biotek Co., Ltd., SK Life Science, Inc., SK China Company, Ltd., SK China (Beijing) Co., Ltd., SK Beijing Investment Management Ltd., SKY Property Mgmt

25. Transactions with related parties (cont'd)

Subsidiary (total of 287)

Company name

(Beijing) Co., Ltd., SK Bio Energy HongKong Co., Ltd., SK Property Investment Management Co., Ltd., SK Industrial Development China Co., Ltd., Shanghai SKY Real Estate Development Co., Ltd., SK International Supply Chain Management Co., Ltd., Ningde Sky Beverage Co., Ltd., SK China Investment Management Co., Ltd., SK International Agro-Products Logistics Development Co., Ltd., SKY Property Management Ltd., SKY Investment Co., Ltd., SK China Real Estate Co., Ltd., SK China Creative Industry Development Co., Ltd., Gemini Partners Pte. Ltd., Solaris Partners Pte. Ltd., Beijing SK Magellan Capital Advisors Co., Ltd., SK GI Management, SK MENA Investment B.V., SK Latin Investment Americas S.A., Fitech Sector Limited Partnership IV, The Contents Company, Co. Ltd., SK Technology Innovation Company, HAPPYNARAE Co., Ltd., Suzhou HAPPYNARAE Co., Ltd., SK Forest Co., Ltd.

(2) Details of transactions with related parties for the three months and the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		September 30, 2016						
		Sales	s (*1)	Purcha	ase (*2)			
	Company name	Three months	Nine months	Three months	Nine months			
Subsidiary	SK Innovation Co., Ltd.	₩ 16,860	₩ 197,709	₩ 601	₩ 3,480			
	SK Biopharmaceuticals Co., Ltd.	278	1,260	-	-			
	M & SERVICE Co., Ltd.	98	888	404	1,102			
	Jeju United FC Corporation	32	95	-	-			
	SK Lubricants Co., Ltd.	2,825	7,965	-	-			
	SK Energy Co., Ltd.	20,812	61,723	2	2			
	SK Global Chemical Co., Ltd.	6,659	19,167	-	-			
	SK Incheon Petrochem Co., Ltd.	4,228	12,627	-	-			
	SK Trading International Co., Ltd.	901	2,486	-	-			
	SK Biotek Co., Ltd.	234	713	-	-			
	SK USA, Inc.	-	-	32	613			
	SK Engineering & Construction Co., Ltd.	7,737	22,719	-	1			
	SK Forest Co., Ltd.	32	96	331	766			
	SKC Co., Ltd.	2,150	18,105	-	-			
	SK Telesys Co., Ltd.	449	1,083	-	-			
	SK Mobile Energy Co., Ltd.	59	202	-	-			
	SKC Solmics Co., Ltd.	59	203	-	-			
	SK E&S Co., Ltd.	4,313	228,720	-	-			
	Kangwon City Gas Co., Ltd.	105	250	-	-			
	Yeongnam energy service Co., Ltd.	354	889	-	-			
	Ko-one energy service Co., Ltd.	355	1,065	50	83			
	Pusan City Gas Co., Ltd.	361	1,056	-	-			
	Jeonbuk Energy Service Co., Ltd.	61	180	-	-			
	Chonnam City Gas Co., Ltd.	117	275	-	-			
	Chungcheong energy service Co., Ltd.	163	488	-	-			
	SK Infosec Co., Ltd.	1,037	2,891	4,638	9,729			
	SK ENCARSALES.COM., Ltd.	70	4,232	323	1,065			
	SK C&C Beijing Co., Ltd.	96	645	2,171	5,736			
	ESSENCORE Limited	605	1,690	-	-			
	SK Networks Co., Ltd.	15,653	50,302	3,433	12,493			
	HAPPYNARAE Co., Ltd.	128	260	590	1,232			
	SK Networks Service Co., Ltd.	284	1,481	475	1,420			
	SK Pinx Co., Ltd	9	26	43	1,281			
	SK Shipping Co., Ltd.	1,652	4,714	-	-			
	SK Telecom Co., Ltd.	136,321	519,962	3,073	8,458			
	SK Telink Co., Ltd.	1,039	2,949	54	270			

SK Communications Co., Ltd.	46	203	-	-
Commerce Planet Co., Ltd.	-	19	-	-
SK techx Co., Ltd.	5,519	19,078	-	-
SK Broadband Co., Ltd.	30,798	94,110	2,322	6,807
PS&Marketing Corp.	625	2,206	1,800	1,932

25. Transactions with related parties (cont'd)

		September 30, 2016								
		Sale	s (*1)	Purchase (*2)						
	Company name	Three months	Nine months	Three months	Nine months					
Subsidiary	Serviceace Co., Ltd.	₩ 92	₩ 276	₩ -	₩ -					
	Service Top Co., Ltd.	91	273	-	-					
	Networkons Co., Ltd.	407	697	-	-					
	SK Planet Co., Ltd.	12,599	44,250	468	1,459					
	SK Matrials Co., Ltd.	2,292	2,679	-	-					
	Others	1,285	1,887	17	40					
Others	Hana Land Chip PEF 33	1,632	3,360	9,194	26,049					
	Netruck Franz Co., Ltd.	-	117	-	-					
	SK TNS Co., Ltd.	253	757	-	-					
	SK D&D Co., Ltd.	114	343	-	-					
	Mitsui Chemicals & SKC Polyurethanes Inc.	264	768	-	-					
	SK Securities Co., Ltd.	5,951	16,878	10	10					
	SK Gas Co., Ltd.	2,030	5,953	-	-					
	SK Advanced Co., Ltd.	229	767	-	-					
	DONGBU POWER DANGJIN CORPORATION	2	63	-	-					
	SK Chemicals Co., Ltd.	1,469	4,218	-	-					
	Huvis Corporation	161	546	-	-					
	Mobile TCS Co., Ltd.	212	346	-	-					
	SK WYVERNS Co., Ltd.	12	35	-	500					
	Konan Technology	-	-	37	110					
	SK hynix Inc.	62,246	157,408	147	188					
	SK hystec. Inc.	107	321	163	257					
	SK hyeng Inc.	78	234	6	178					
	SK hynix Semiconductor (China) Ltd.	10,561	26,088	72	72					
	Others	1,631	3,185	26	26					
		₩ 366,842	<u>₩ 1,556,181</u>	₩ 30,482	₩ 85,359					

			September 30, 2015							
			Sales	(*1)	Purchase (*2)					
	Company name	Thre	e months	Nine months	Three months	Nine months				
Subsidiary	SK Innovation Co., Ltd.	₩	13,334	₩ 27,045	₩ 344	₩ 485				
	SK Biopharmaceuticals Co., Ltd.		247	1,980	-	-				
	M & SERVICE Co., Ltd.		56	139	132	342				
	SK Lubricants Co., Ltd.		2,046	3,907	57	116				
	SK Energy Co., Ltd.		19,700	34,595	20	20				
	SK Global Chemical Co., Ltd.		6,176	11,241	-	-				
	SK Incheon Petrochem Co., Ltd.		3,159	5,474	-	-				
	SK Trading International Co., Ltd.		585	1,647	-	-				
	SK Biotek Co., Ltd.		468	468	-	-				
	SK Telecom Co., Ltd.		111,593	309,910	2,648	6,800				
	SK Telink Co., Ltd.		943	2,818	138	429				
	Commerce Planet Co., Ltd.		105	159	-	-				
	SK Broadband Co., Ltd.		27,485	73,424	2,579	7,720				
	PS&Marketing Corp.		781	1,739	108	224				
	Serviceace Co., Ltd.		75	156	-	-				
	Service Top Co., Ltd.		73	157	-	-				
	Networkons Co., Ltd.		109	328	-	-				
	SK Planet Co., Ltd.		14,916	44,830	3,703	4,579				
	SK Networks Co., Ltd.		12,572	33,200	2,981	8,590				
	HAPPYNARAE Co., Ltd.		-	-	266	813				
	SK Networks Service Co., Ltd.		560	884	509	867				
	SK Pinx Co., Ltd		6	6	19	176				
	SKC Co., Ltd.		2,845	6,498	-	-				

SK Telesys Co., Ltd.	305	780	-	-
SK Mobile Energy Co., Ltd.	65	222	-	-
SKC, Inc.	-	270	-	-
SK Shipping Co., Ltd.	1,619	2,824	-	-
SK E&S Co., Ltd.	4,148	32,588	_	_

25. Transactions with related parties (cont'd)

				September 30, 2016						
				Sales (*1) Purchase (*2)						ase (*2)
		Company name	_	Three	e months	Nine mo	nths	Three mont	hs.	Nine months
Subsidia	ary	Kangwon City Gas Co., Ltd.		₩	81	₩	186	₩	-	₩ -
		Yeongnam energy service Co., Ltd.			254		506		-	
		7		Ko-or	ne energy	service C	o., Ltd	d.	₩	286
₩	353	₩	48	₩	106					
		Pusan City Gas Co., Ltd.			352		502		-	-
		Jeonbuk Energy Service Co., Ltd.			65		141		-	-
		Chonnam City Gas Co., Ltd.			43		303		-	-
		Chungcheong energy service Co., Ltd.			179		349		-	-
		SK Engineering & Construction Co., Ltd.			6,914	14	,899	4,8	64	4,865
		SK Forest Co., Ltd.			17		34	1,1	97	1,197
		SK Infosec Co., Ltd.			880	1	,955	2,8	808	6,667
		SK ENCARSALES.COM., Ltd.			257	2	,641	5	36	1,789
		SK C&C Beijing Co., Ltd.			125		365	1,8	18	5,625
		ESSENCORE Limited			320		796		-	-
		Others			210		511		2	15
Others		SK Holdings Co., Ltd			586	40	,219		-	2,003
		Hana Land Chip PEF 33			772		772	6,2	82	6,282
		Ulsan Aromatics Co., Ltd.			68		210		-	-
		Netruck Franz Co., Ltd.			178		178		-	-
		SK Securities Co., Ltd.			14,974	14	,974		-	-
		SK Gas Co., Ltd.			4,953	4	,953		-	-
		SK Advanced Co., Ltd.			1,266	1	,291		-	-
		SK Chemicals Co., Ltd.			2,921	2	,921		-	-
		SK Petrochemical Co., Ltd.			106		106		-	-
		Huvis Corporation			547		547		-	-
		UBcare Co., Ltd.			-		-	2	57	257
		Mobile TCS Co., Ltd.			42		148		-	-
		Konan Technology			-		-	5	96	596
		SK hynix Inc.			141,958	141	,958		33	133
		SK hystec. Inc.			77		77	1	56	156
		Others			111		790		72	393
				₩	402,613	₩ 829	<u>,974</u>	₩ 32,2	73	₩ 61,252

^(*1) Consists of dividends income received from subsidiaries and others, trademark usage income, rental income and others.

(3) Details of outstanding balances of receivables and payables with related parties as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions):

		September 30, 2016										
			Receivables					Р	ayables			
		Trade		0	ther			Trade		Other		
	Company name	rec	eivables	recei	vables	_	Total	payables	_	payables	T	otal
Subsidiary	SK Innovation Co., Ltd.	₩	2,763	₩	195	₩	2,958	₩ -	₩	5,138	₩	5,138
	M&SERVICE Co., Ltd.		18		-		18	213		73		286
	SK Lubricants Co., Ltd.		2,003		-		2,003	-		-		-
	SK Energy Co., Ltd.		3,672		-		3,672	-		-		-
	SK Global Chemical Co., Ltd.		1,231		-		1,231	-		-		-
	SK Incheon Petrochem Co., Ltd.		740		-		740	-		-		-
	SK Trading International											
	Co., Ltd.		479		-		479	-		-		-

^(*2) Consists of rental expenses, outsourcing technology services expenses and others.

SK USA, Inc.	-	-	-	-	-	-
SK Engineering & Construction						
Co., Ltd.	3,356	-	3,356	-	-	-
SK Forest Co., Ltd.	-	290	290	-	-	-
SKC Co., Ltd.	549	-	549	-	-	-
SK Telesys Co., Ltd.	242	-	242	-	-	-
SK E&S Co., Ltd.	1,324	-	1,324	-	-	-

25. Transactions with related parties (cont'd)

		September 30, 2016						
			Receivables			Payables		
		Trade	Other		Trade	Other		
	Company name	receivables	receivables	Total	payables	payables	Total	
Subsidiary	Busan City Gas Co., Ltd.	₩ 23	₩ -	₩ 23	₩ -	₩ -	₩ -	
	Chungcheong energy service							
	Co., Ltd.	12	-	12	-	-	-	
	SK Infosec Co., Ltd.	356	-	356	4,440	889	5,329	
	SK ENCARSALES.COM., Ltd.	-	5,251	5,251	-	48	48	
	SK C&C Beijing Co., Ltd.	57	-	57	-	-	-	
	ESSENCORE Limited	40	-	40	-	-	-	
	SK Networks Co., Ltd.	4,566	72	4,638	-	329	329	
	HAPPYNARAE Co., Ltd.	13	-	13	300	3	303	
	SK Networks Service Co., Ltd.	44	-	44	471	-	471	
	SK Shipping Co., Ltd.	238	-	238	_	_	_	
	SK Telecom Co., Ltd.	33,822	344	34,166	95	685	780	
	SK Telink Co., Ltd.	446	-	446	7	17	24	
	SK Broadband Co., Ltd.	19,309	-	19,309	1	648	649	
	PS&Marketing Corp.	229	-	229	_	793	793	
	Networkons Co., Ltd.	327	-	327	_	_	_	
	SK Planet Co., Ltd.	4,931	566	5,497	_	59	59	
	SK Biopharmaceuticals							
	Co., Ltd.	94	-	94	-	-	-	
	SK techx Co., Ltd.	4,603	-	4,603	-	3	3	
	Others	525	-	525	18	8	26	
Others	Hana Land Chip PEF 33	-	5,727	5,727	-	-	-	
	SK Securities Co., Ltd.	1,738	-	1,738	-	-	-	
	SK Gas Co., Ltd.	336	-	336	-	-	-	
	SK Chemicals Co., Ltd.	868	-	868	-	-	-	
	Huvis Corporation	59	-	59	-	-	-	
	Hana Card Co., Ltd.	-	-	-	-	8	8	
	SK hynix Inc.	62,115	-	62,115	-	6,177	6,177	
	SK hynix Semiconductor							
	(China) Ltd.	20	-	20	-	-	-	
	Others	797	148	945	9	1,212	1,221	
		₩ 151,945	₩ 12,593	₩ 164,538	₩ 5,554	₩ 16,090	₩ 21,644	

		December 31, 2015							
		F	Receivables		Payables				
		Trade	Other		Trade	Other			
	Company name	receivables	receivables	Total	payables	payables	Total		
Subsidiary	SK Innovation Co., Ltd.	₩ 12,087	₩ 159	₩ 12,246	₩ 187	₩ 5,460	₩ 5,647		
	M&SERVICE Co., Ltd.	41	-	41	65	220	285		
	SK Lubricants Co., Ltd.	807	-	807	-	1,561	1,561		
	SK Energy Co., Ltd.	7,121	-	7,121	-	6,064	6,064		
	SK Global Chemical Co., Ltd.	1,940	-	1,940	-	2,933	2,933		
	SK Incheon Petrochem Co., Ltd.	923	-	923	-	1,047	1,047		
	SK Trading International								
	Co., Ltd.	367	-	367	-	1,122	1,122		
	SK Battery Systems Co., Ltd.	178	-	178	-	-	-		
	SK USA, Inc.	-	-	-	-	357	357		
	SK Engineering & Construction								
	Co., Ltd.	7,257	-	7,257	-	1,254	1,254		
	SK Forest Co., Ltd.	11	290	301	-	997	997		

Notes to the interim condensed separate financial statements for the nine months ended September 30, 2016 and 2015

SKC Co., Ltd.	1,591	-	1,591	-	-	-
SK Telesys Co., Ltd.	1,322	-	1,322	-	59	59
SK E&S Co., Ltd.	1,641	-	1,641	-	-	-
Busan City Gas Co., Ltd.	531	-	531	-	-	-
Chungcheong energy service						
Co., Ltd.	101	-	101	-	-	-
SK Infosec Co., Ltd.	1,153	-	1,153	5,019	1,124	6,143

25. Transactions with related parties (cont'd)

		December 31, 2015						
		F	Receivables			Payables		
		Trade	Other		Trade	Other		
	Company name	receivables	receivables	Total	payables	payables	Total	
Subsidiary	SK ENCARSALES.COM., Ltd.	₩ 3	₩ 5,776	₩ 5,779	₩ -	₩ -	₩ -	
	SK C&C Beijing Co., Ltd.	577	-	577	673	6	679	
	ESSENCORE Limited	688	297	985	-	19	19	
	SK Networks Co., Ltd.	4,129	70	4,199	-	1,321	1,321	
	HAPPYNARAE Co., Ltd.	1	-	1	37	134	171	
	SK Networks Service Co., Ltd.	65	-	65	411	144	555	
	SK Shipping Co., Ltd.	614	-	614	-	-	-	
	SK Telecom Co., Ltd.	107,677	342	108,019	696	695	1,391	
	SK Telink Co., Ltd.	434	-	434	6	40	46	
	SK Broadband Co., Ltd.	35,200	-	35,200	-	3,204	3,204	
	PS&Marketing Corp.	1,880	-	1,880	-	-	-	
	Networkons Co., Ltd.	956	-	956	-	-	-	
	SK Planet Co., Ltd.	13,467	90	13,557	-	81	81	
	Others	494	23	517	12	106	118	
Others	Hana Land Chip PEF 33	-	5,727	5,727	-	-	-	
	SK Securities Co., Ltd.	3,018	-	3,018	-	-	-	
	SK Gas Co., Ltd.	954	-	954	-	-	-	
	SK Advanced Co., Ltd.	177	-	177	-	-	-	
	DONGBU POWER DANGJIN							
	CORPORATION	164	-	164	-	-	-	
	SK Chemicals Co., Ltd.	1,367	-	1,367	-	-	-	
	Huvis Corporation	970	-	970	-	-	-	
	Hana Card Co., Ltd.	2,869	-	2,869	-	7	7	
	SK hynix Inc.	100,512	-	100,512	-	6,263	6,263	
	Others	660		660	21	40	61	
		₩ 313,947	₩ 12,774	<u>₩326,721</u>	₩ 7,127	₩ 34,258	₩ 41,385	

(4) Compensation for key management personnel of the Company for the three months and nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

		September 30, 2016				September 30, 2015			
	Thre	Three months		Nine months		Three months		Nine months	
Salaries	₩	965	₩	2,469	₩	436	₩	1,043	
Provision for pension benefits		47		301		71		137	
	₩	1,012	₩	2,770	₩	507	₩	1,180	

Key management consists of registered executives who are responsible for the planning, operation and control of the Company's business activities.

(5) Details of significant transactions with related parties in relation to the investments for the nine months ended September 30, 2016 are as follows (Korean won in millions):

	Amount		Transactions
SK Biopharmaceuticals Co., Ltd.	₩	123,800	Acquisition of shares of
			SK Biotek Co., Ltd.
SK Biotek Co., Ltd.		40,000	Share capital increase
	₩	163,800	

SK Holdings Co., Ltd. Notes to the interim condensed separate financial statements for the nine months ended September 30, 2016 and 2015

(6) Guarantees provided to related parties are described in Note 27.

26. Cash flow information

(1) Details of non-cash adjustments for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

	For the nine months ended				
	Septe	mber 30, 2016	Septe	mber 30, 2015	
Provision for pension benefits	₩	20,582	₩	20,359	
Depreciation		33,870		30,792	
Depreciation of investment properties		320		71	
Amortization		8,989		8,058	
Bad debt expenses		157		119	
(Reversal of) valuation loss on inventories		78		(100)	
Outsourcing fees (provision for service warranties)		3,806		6,063	
Interest expenses		110,187		57,523	
Loss on disposal of available-for-sale financial assets		13		102,086	
Loss on disposal of investments in associates		730		-	
Loss on foreign currency translation		1,076		732	
Loss on valuation of derivative instruments		3,491		1,093	
Loss on disposal of property, plant and equipment		104		133	
Loss on disposal of intangible assets		358		222	
Loss on impairment of intangible assets		1,226		4,966	
Income tax expense		43,915		524,236	
Reversal of service warranties		(618)		(479)	
Dividends income		(597,822)		(60,678)	
Interest income		(2,870)		(3,259)	
Gain on foreign currency translation		(365)		(2,862)	
Gain on valuation of derivative instruments		(4,213)		(1,022)	
Gain on disposal of available-for-sale financial assets		(125)		(114)	
Gain on disposal of investments in associates		(1,320)		(2,039,256)	
Gain on disposal of investments in subsidiaries		(307)		(88,437)	
Gain on disposal of property, plant and equipment		(39)		(99)	
Gain on disposal of intangible assets		(167)		-	
Gain on bargain purchase		-		(4,117,255)	
Others		57		(2,285)	
	₩	(378,887)	₩	(5,559,393)	

(2) Details of working capital adjustments for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

	For the nine months ended					
	Septem	ber 30, 2016	Septen	nber 30, 2015		
Trade accounts receivable	₩	42,023	₩	66,277		
Other accounts receivable		497		295		
Accrued income		(19)		-		
Inventories		8,065		3,174		
Advance payments		(6,359)		(1,153)		
Prepaid expenses		(325)		1,044		
Trade accounts payable		14,726		(57,724)		
Advance received		(10,200)		15,033		
Withholdings		(1,915)		(4,225)		
Other accounts payable		(22,641)		(16,071)		
Accrued expenses		(7,552)		1		
Leasehold deposits received		(71)		2,749		
Provision for service warranties		(4,802)		(5,403)		
Retirement benefit obligation		(1,332)		(13,378)		
Plan assets		1,759		10,881		
Others		346		708		
	$\overline{\mathbb{W}}$	12,200	₩	2,208		

26. Cash flow information (cont'd)

(3) Significant non-cash transactions

Details of significant non-cash transactions for the nine months ended September 30, 2016 and 2015 are as follows (Korean won in millions):

	For the nine months ended				
	Septer	mber 30, 2016	Sept	ember 30, 2015	
Transfer of long-term bonds payable to current-portion	₩	456,005	₩	350,000	
Issuance of ordinary shares from business combination		-		5,611,216	
Change in other payables due to the acquisition					
of treasury shares		-		55,241	
Acquisitions of available-for-sale financial assets		-		90,800	
Transfer of intangible assets to available-for-sale					
financial assets		102		-	
Transfer of advance payments to investments in associates		58,860		-	

27. Commitments and contingencies

(1) Guarantees provided by others for the Company's obligations and indebtedness as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions, and USD and VND in thousands):

_	Currency	September 30, 2016	December 31, 2015
Seoul Guarantee Insurance	KRW	1,111	1,753
Korea Software Financial Cooperative	KRW	355,374	403,904
The Export-Import Bank of Korea	USD	2,690	2,841
Korea Trade Insurance Coporation	USD	6,587	6,820
Korea Trade Insurance Coporation	VND	90,113,661	96,845,147

(2) Pending litigation

Details of significant pending litigations as at September 30, 2016 are as follows (Korean won in millions, and USD in thousands):

				Claim
Plaintiff	Defendant	Description	Currency	amount Status
Samsung Card Co., Ltd.	Company	Claim for damages	KRW	2,831 First trial in progress
Defense Acquisition	Company	Claim for damages	USD	19,673 Second
Program Administration				trial in progress
Choi, Kwang-sub	Company	Revoking of fraudulent act	KRW	7 First trial in progress
Choi, Soo-hyun	Company	Burden of expenses for altering Suwon branch's		
		purpose of use	KRW	62 First trial in progress
Han, Soon-deok	Company	Claim for payment of used car purchase	KRW	6 First trial in progress
Company	Samsung Card Co., Ltd.	Claim for damages	KRW	2,603 First trial in progress

As at September 30, 2016, the Company is unable to determine the ultimate outcomes of the above litigations.

27. Commitments and contingencies (cont'd)

(3) The assets pledged as collateral for the Company's guarantee of implementation of the agreement as at September 30, 2016 are as follows (Korean won in millions):

				Collateralized	Reason for	Collateral
		Book value		amount	collateral	beneficiary
Land and buildings	₩	9,549	₩	1,700		RCI Financial
					implementation of the agreement	Service Korea

(4) Significant commitments

1) HPEIK V SGPS LDA participated in new share issue of SK Shipping Co., Ltd. in the amount of 21,132,075 shares (issue price per share: \(\pms 5,300\)) during 2010, under the condition that it can exercise a put option when certain defined events occur. The issued and outstanding shares of the entity were acquired by D&D Strategic Growth Ltd. (88.75%) and Daewoo Securities (Hong Kong) Ltd. (11.25%) in 2014. The Company and SK Shipping Co., Ltd. are obligated to buy the shares back if D&D Strategic Growth Ltd. or HPEIK V SGPS LDA exercises its put option. Details of the put option that the Company entered into are as below:

Classification	Description
Exercise condition	SK Shipping Co., Ltd. should not be listed on the share market within nine years after
	the paid-in capital increase, and others.
Exercise price	Investment amount plus compound annual interest of 6%.
Obligator	Primary: SK Shipping Co., Ltd., Secondary: SK Holdings Co., Ltd.

In order to estimate the fair value of this put option, the Company considered the present value of the underlying asset and its variance, as well as the possibility of the exercise condition being met. After the consideration, the Company found it difficult to reliably measure the fair value and, therefore, did not recognize it in the condensed separate financial statements.

- 2) The Company entered into a contract to lease the headquarters building from National Agricultural Cooperative Federation ("NACF"), the trustee of Hana Asset Management. Under the terms of the lease, the lease period is until March 28, 2021, and the Company has the preemptive right to purchase the building at the fair value when the lessor elects to dispose the property.
- 3) SK E&S LNG, LLC, one of the subsidiaries, is scheduled to be provided with liquefaction service amounting to 115 million MMBtu per year for 20 years from FLNG Liquefaction 3, LLC, Which plans to operate natural gas liquefaction plants in Texas starting from 2019. As at December 31, 2015, SK E&S Co., Ltd., one of the subsidiaries, is responsible for performance guarantee in case of SK E&S LNG, LLCs inability to make payments for service or for claims against breach of obligation. In regard to this, the Company provides performance guarantee for SK E&S Co., Ltd.'s guarantee.
- 4) The Company, SK Innovation Co., Ltd., SK Energy Co., Ltd., SK Global Chemical Co., Ltd., SK Lubricants Co., Ltd., SK Incheon Petrochem Co., Ltd. and SK Trading International Co., Ltd., are collectively responsible for any obligations of the Company arising before the spin-off on July 1, 2007. The Company and SK Biopharmaceuticals Co., Ltd. are collectively responsible for any obligations of the Company that occurred before the spin-off on July 1, 2011.
- 5) The Company provided performance guarantee to SK Shipping Co., Ltd., a subsidiary. Amount of guarantee provided to SK Shipping Co., Ltd. by the Company was calculated as the lower of ₩0 and other guarantee of ₩77,017 million, less the estimated value of ships owned by SK Shipping Co., Ltd.
- 6) The Company holds IT outsourcing and IT system maintenance agreements to provide hardware and information systems maintenance, and development service entered into between the Company and SK Group companies and others.

27. Commitments and contingencies (cont'd)

- 7) The Company entered into a contract with Gyeonggi province on May 31, 2011 to purchase land located in Pangyo Land Development District. The total agreement amount is \$\footnote{W}\$82,964 million (the Company's portion: \$\footnote{W}\$45,536 million (54.9%)), which will be used for the construction of urban infrastructure facilities ("designated purpose" of the land). The contract includes requirements to be complied with and restrictions in transfer of ownership of the land. Should there be non-compliance, the contract may be terminated or cancelled.
- (5) The Company has provided 7 blank checks and 12 blank notes as collateral in relation to sales and other transactions as at September 30, 2016.

28. Financial risk management

The principal financial liabilities of the Company comprise borrowings, bonds payable, trade and other accounts payable. The main purpose of these financial liabilities is to finance the operations of the Company. Further, the Company has various financial assets, including trade and other accounts receivable that are directly related to its operations.

28.1 Market risk

Market risk is the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risks comprise three types of risk: interest rate, foreign currency and other price.

28.1.1 Interest rate risk

Interest rate risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company does not believe the fluctuation in market interest rate other than those mentioned above has a material impact on its financial statements.

28.1.2 Foreign currency risk

Foreign currency risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. The exposure to the risk of changes in foreign exchange rates relates primarily to selling and purchasing. The Company manages its foreign currency risk periodically.

Significant monetary assets and liabilities denominated in foreign currencies as at September 30, 2016 and December 31, 2015 are as follows (Korean won in millions, and USD and EUR in thousands):

		Septemb	September 30, 2016		December	· 31, 20	15
	Currency	Foreign <u>currencies</u>		orean won equivalent	Foreign currencies		rean won uivalent
Assets	USD	11,792	₩	13,054	13,575	₩	15,946
	EUR	330		406	539		691
	Others			1,797			1,934
			₩	15,257		₩	18,571
Liabilities	USD	2,399	₩	2,630	2,349	₩	2,753
	Others			52			1,333
			₩	2,682		₩	4,086

28.1.2 Foreign currency risk (cont'd)

Should the exchange rate of the aforementioned currencies fluctuate by 10%, the effects on income before income tax expense would be as follows (Korean won in millions):

	Se	September 30, 2016			December 31, 2015			
	Increase by	10%	Decrease	by 10%	Increase by	/ 10%	Decrease	e by 10%
Increase (decrease) in								
income before income tax								
expense	₩	1,258	₩	(1,258)	₩	1,449	₩	(1,449)

28.1.3 Other price risk

Other price risk is the risk that the fair value or future cash flows of financial instruments will fluctuate because of changes in market prices other than from interest rate risk and foreign currency risk. The Company has not determined that the effect of changes in other price would have materially affected the Company.

28.2 Credit risk

Credit risk is the risk of financial loss to the Company if a customer or counterparty to a financial instrument fails to meet its contractual obligations, and arises principally from the Company's receivables from customers and investment securities.

The carrying amount of financial assets represents the maximum credit exposure. The maximum exposure to credit risk as at September 30, 2016 and December 31, 2015 is as follows, and for cash and cash equivalents, credit risk exposure is low (Korean won in millions):

	Septem	ber 30, 2016	Decen	nber 31, 2015
Short-term and long-term financial instruments	₩	47,639	₩	67,219
Trade accounts receivable		279,054		378,597
Other accounts receivable		2,493		1,369
Accrued income		460		203
Available-for-sale financial assets		550		541
Short-term and long-term guarantee deposits		21,856		22,533
Short-term and long-term loan		600		1,681
	₩	352.652	₩	472.143

28.2.1 Trade and other accounts receivable

Customer credit risk is managed by each business unit subject to the Company's established policies, procedures and control related to customer credit risk management. Credit quality of the customer is assessed based on an extensive credit rating scorecard and individual credit limits are defined in accordance with this assessment. Outstanding customer receivables are regularly monitored and any shipments to major customers are generally covered by letters of credit or other forms of credit insurance.

Maximum exposure to credit risk at the reporting date is the book value of each class of financial assets. The requirement for impairment is analyzed at each reporting date on an individual basis for major clients. Additionally, a large number of minor receivables are grouped into homogenous groups and looked for impairment collectively. The calculation is based on actually incurred historical data.

28.2.2 Other financial assets

Credit risk arising from other financial assets consists of long-term and short-term financial instruments, occurrence of trade opponent arising from the bankruptcy, etc. In this case, the credit risk exposure of the Company will be the same as the book value of the maximum applicable financial instruments. On the other hand, the management of the Company's credit rating, because it is excellent to deal with financial institutions, is judged to have limited impact on the credit risk of the financial institutions of the Company.

28.3 Liquidity risk

Liquidity risk refers to the risk that the Company may default on the contractual obligations that become due. The Company manages its risk to a shortage of funds using a recurring liquidity planning tool.

The contractual maturity of financial liabilities as at September 30, 2016 is as follows. Amounts include interests paid and recognised at gross amounts (Korean won in millions):

			Contractual	Less than		3~12		More than
	B	ook value	cash flow	3 months		months	1~5 years	5 years
Short-term borrowings	₩	F 000,08	₩ 81,059	₩	- ₩	81,059 ₹	₩ -	₩ -
Bonds payable		5,788,352	5,936,308	321,72	24	456,377	4,137,121	1,021,086
Financial derivatives liabilities		2,282	2,282	98	37	1,168	127	-
Trade accounts payable		124,722	124,722	124,72	22	-	-	-
Other liabilities		96,232	96,232	34,27	7	49,561	12,394	
	₩	6,091,588	₩ 6,240,603	₩ 481,7	0 ₩	588,165 ³	₩ 4,149,642	₩ 1,021,086

28.4 Capital management

The fundamental goal of capital risk management is to maintain a solid financial structure. In addition, as the Company is a holding company, it should maintain a debt ratio of less than 200% under Article 8 of Monopoly Regulations and Fair Trade Law. The debt ratio is calculated as total liabilities divided by total equity.

The Company maintains a debt ratio of 54.76% as at September 30, 2016. The maturity of the debt is dispersed in the long-term and the borrowings mainly consist of long-term bonds, which do not present significant risks for unexpected payment for debts.

The Company's debt ratio as at September 30, 2016 and December 31, 2015 is as follows (Korean won in millions):

	September 30, 2016	December 31, 2015	
Total liabilities	₩ 6,526,793	₩	6,111,406
Total equity	11,918,320		11,481,677
Debt ratio	54.76%		53.23%

29. Business combinations

The Company has entered into business combination with SK Holdings Co., Ltd. August 1, 2015 through the approval at the board of directors on April 20, 2015 and the resolutions of the general meeting of shareholders on June 26, 2015.

29.1 General information

	Description
Existed company after acquisition	SK C&C Co., Ltd
Extinct company after acquisition Name of existed company after	SK Holdings Co., Ltd.
acquisition	SK Holdings Co., Ltd.
Purpose	Finding a new growth engines and increasing the Company's competitiveness through improving financial structure.
Ratio of acquisition	(1) Ordinary share = 1:0.7367839 (SK C&C Co., Ltd. : SK Holdings Co., Ltd.) (2) Preferred share = 1:1.1102438 (SK C&C Co., Ltd. : SK Holdings Co., Ltd.)

29.2 The consideration transferred

The consideration transferred for merged for the year ended December 31, 2015 is as follows (Korean won in millions):

	-	Amount
Fair value of ordinary shares for issued	₩	4,696,941
Fair value of preferred shares for issued		99,838
The fair value of equity for merged company owned by the Company (*1)		3,369,310
	₩	8,166,089

(*1) W2,039,256 million was recorded as gain on disposal of investments in associates due to re-measurement of investments in associates at fair value, which was merged by the Company.

29.3 Identifiable assets acquired and liabilities assured

1) Identifiable acquired assets and liabilities due to merger is as follows (Korean won in millions):

		Amount
Current assets:	₩	687,577
Cash and cash equivalents		657,059
Trade accounts receivable		1,038
Other accounts receivable		28,467
Other current assets		1,013
Non-current assets:		15,719,191
Available-for-sale financial assets		15,386
Investments in subsidiaries		13,519,478
Investments in joint ventures		40,000
Property, plant and equipment and investment property		124,825
Intangible assets		1,990,375
Other non-current assets		29,126
Current liabilities:		641,320
Short-term borrowings		50,000
Current portion of long-term debt		543,786
Other current liabilities		47,534
Non-current liabilities:		3,482,103
Bonds payable		3,006,796
Retirement benefit obligation		16,890
Deferred income tax liabilities		452,839
Other non-current liabilities	-	5,578
Fair value of identifiable net assets	₩	12,283,344

29.3 Identifiable assets acquired and liabilities assured (cont'd)

2) Measurement of fair value

Used valuation techniques for re-measurement at fair value of acquired significant assets and liabilities is as follow:

Acquired Assets	Valuation techniques
Property, plant and equipment	Market approach or Cost Approach:
and Investment property	The Company determines the fair value reflecting on the created price in
	the available market transactions of similar assets or on the replacement
	cost considering the appropriate functional and economic obsolescence as
	well as the physical deterioration degree.
Intangible assets	Relief from royalty method or Multi-period excess earnings method:
	The Company determines the fair value of intangible assets by using relief
	from royalty method considering the royalty discount that is expected to be
	avoided by the retention the patents or trademarks directly.
	And the Company also determines the fair value of intangible by using
	multi-period excess earnings method considering the present value of net
	cash flows that is expected to be generated from the customer relationship.
Inventories	The company determines the fair value on the basis of a reasonable profit
	based on the effort required to complete or selling of inventories and net of
	selling costs, and the estimated selling price in the ordinary course of
	business less the estimated costs of completion and the estimated costs
	necessary to make the sale.
Bonds payable and borrowings	The company determines the fair value by discounting future cash flows at
zonao payazio ana zonomilgo	an effective interest rate that consider current credit rating at assessment
	date and spread applied to recently issued.
	and and options to toothay loaded.

29.4 Gain on bargain purchase

Gain on bargain purchase for the business combination is as follows (Korean won in millions):

		Amount
The total consideration transferred	f W	8,166,089
Deduction: fair value of identifiable net assets		(12,283,344)
Gain on bargain purchase	$\underline{\mathbb{W}}$	<u>(4,117,255</u>)