

# **Hyosung Corporation and Subsidiaries**

**Consolidated Financial Statements  
December 31, 2017 and 2016**

# Hyosung Corporation and Subsidiaries

## Index

December 31, 2017 and 2016

---

	<b>Page(s)</b>
<b>Independent Auditor's Report .....</b>	<b>1 - 6</b>
<b>Consolidated Financial Statements .....</b>	<b>7</b>
Consolidated Statements of Financial Position.....	8
Consolidated Statements of Profit or Loss.....	9
Consolidated Statements of Comprehensive Income.....	10
Consolidated Statements of Changes in Equity.....	11
Consolidated Statements of Cash Flows .....	12
Notes to Consolidated Financial Statements .....	13 - 121

## Independent Auditor's Report

(English Translation of a Report Originally Issued in Korean)

To the Board of Directors and Shareholders of  
Hyosung Corporation

We have audited the accompanying consolidated financial statements of Hyosung Corporation and its subsidiaries (collectively referred to as the "Group"), which comprise the consolidated statements of financial position as at December 31, 2017 and 2016, and the consolidated statements of profit or loss, consolidated statements of comprehensive income, consolidated statements of changes in equity and consolidated statements of cash flows for the years then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies and other explanatory information.

### ***Management's Responsibilities for the Financial Statements***

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with International Financial Reporting Standards as adopted by the Republic of Korea (Korean IFRS) and for such internal control as management determines is necessary to enable the preparation of the consolidated financial statements that are free from material misstatement, whether due to fraud or error.

### ***Auditor's Responsibilities***

Our responsibility is to express an opinion on the consolidated financial statements based on our audits. We conducted our audits in accordance with Korean Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

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

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

**Opinion**

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of Hyosung Corporation and its subsidiaries as at December 31, 2017 and 2016, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with Korean IFRS.

**Emphasis Matters<sup>1</sup>**

Without qualifying our opinion, we draw attention to the following area of focus.

(1) Auditor's emphasis on the area of focus on construction contracts.

Area of focus on construction contracts in accordance with the Practical Guidance of Auditing Standard 2016-1 are those matters that, in the auditor's professional judgment and communication with those charged with governance, were of most significance in the audit of the consolidated financial statements of the current period. These matters were addressed in the context of the audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

We have addressed the output of the audit process for the area of focus as below in forming an audit opinion on the consolidated financial statements of Hyosung Corporation and its subsidiaries as a whole.

**A. General Information**

Common information applied to the area of focus on construction contract described in this audit report are as follows:

As explained in the Note 2 to the consolidated financial statements (Significant Accounting Policies), the Group recognizes contract revenue and contract costs associated with the construction contract as revenue and expense respectively based on the percentage of completion of the contract activity at the end of the reporting period when the outcome of a construction contract can be estimated reliably. The percentage of completion of the contract activity is the proportion that costs incurred to date, excluding any contract cost that does not reflect the work performed, bear to the estimated total costs of the contract. The Group presents the gross amount due from customers for contract work as an asset for all contracts in progress for which costs incurred plus recognized profits (less recognized losses) exceed progress billings, and presents the gross amount due to customers for contract work as a liability for all contracts in progress for which progress billings exceed costs incurred plus recognized profits (less recognized losses). The Group's operating segments which apply accounting policies of construction contract are construction segment and part of heavy industrial segment.

---

<sup>1</sup> This paragraph is being included in accordance with the Practical Guidance of Auditing Standard 2016-1, Practical Guidance for Special Consideration in Auditing Construction Contracts, prescribed by Korean Institute of Certified Public Accountants, and should not be considered as a communication of key audit matter described in the International Standards on Auditing 700 (Revised).

## B. Input method

As explained in the Note 3 to the consolidated financial statements (Critical Accounting Estimates and Assumptions), total contract revenue is measured based on the initial amount of revenue agreed in the contract. However, the measurement of contract revenue is affected by a variety of uncertainties that depend on the outcome of future event; for example, the amount of contract revenue may increase as a result of variations in contract work, claims and incentive payments, on the other hand, the amount of contract revenue may decrease as a result of penalties arising from delays caused by the Group in the completion of the contract. The measurement of contract revenue is also affected by the percentage of completion measured based on the aggregated amount costs incurred. Total contract costs are estimated based on future estimates of material costs, labor costs, construction period and others.

Uncertainty of estimating total contract revenue and the changes in estimated total contract revenue and costs may have negative impacts on the profit or loss for the current period (or for the succeeding year); therefore, we identified revenue recognition based on the input method as a significant risk.

As at December 31, 2017, in respect of the Group's revenue recognition based on the input method, we have performed the following audit procedures.

- We assessed whether the accounting policy of revenue recognition is appropriate.
- We reviewed major contract terms and conditions.
- We reviewed the Group's internal control over reviews and approvals of new contracts by personnel with appropriate authority.

## C. Uncertainty of estimated total contract costs (or estimated construction costs)

As explained in the Note 3 to the consolidated financial statements (Critical Accounting Estimates and Assumptions) and in the Note 29 to the consolidated financial statements (Construction Contracts), total contract costs are estimated based on future estimates of material costs, labor costs, construction period and others. When the estimated total contract costs increase by 5%, profit before income tax and net assets before income tax effects would decrease by ₩ 126,924 million.

The measurement of estimated contract costs is affected by variety of uncertainties such as changes in the specifications or design, changes in construction environment, the extension of construction period, fluctuation of material cost, and others. The impacts of changes in estimated total contract costs on the profit or loss for the current period (or for the succeeding year) are considered; therefore, we identified uncertainty of estimated total contract costs as a significant risk.

As at December 31, 2017, in respect of the Group's uncertainty of estimated total contract costs, we have performed the following audit procedures.

- We tested for the internal control activity to approve of total contract cost.
- We compared and performed analytical review procedures to determine the rate of cost of sales (total construction cost / total contract revenue) of each construction site.
- We checked whether there were final approvals of the total estimated contract costs and compared the amounts with the total contract cost in the Group's financial information systems.
- We reviewed the cause of change for projects with significant fluctuations in total contract costs.
- We made inquiries about the cause of the significant difference in the estimated total contract cost at the end of 2016 and the final cumulative cost incurred of the project which ended during 2017.

#### D. Measurement of percentage of completion

The construction costs incurred of one site can be transferred to another site due to the variance in profit margins of sites and the identified factors causing the increase in the estimation of contract costs may not be reflected in the contract costs timely; therefore, we identified measurement of percentage of completion as a significant risk.

As at December 31, 2017, in respect of the Group's estimated total contract costs and aggregated cost incurred that have impacts on the measurement of percentage of completion, we have performed the following audit procedures.

- We tested the completeness and appropriateness of the aggregate costs incurred.
- We reviewed the journal entries prepared for the transfer of incurred expenses between construction sites.
- We tested whether costs are attributed to the corresponding construction sites.
- We recalculated the percentage of completion for construction contracts.
- We tested internal control of the Group in relation to approval and reporting process of cost incurred.

#### E. Collectability of the gross amount due from customers for contract work

As the collectability of the gross amount due from customers for contract work is in doubt in case of the increase of unsold housing due to the real estate market situation or the deterioration of the financial condition of customers, we identified collectability of the gross amount due from customers for contract work as a significant risk.

As at December 31, 2017, in respect of the contract that has a significant increase in the gross amount due from customers for contract work, we have performed the following audit procedures.

- We identified contracts with significant differences between percentage of completion for accounting purpose and actual construction billing ratio in accordance with contractual right to demand for payment, and inquired about reasons of delays in billings and tested based on external evidences.
- We performed impairment test for the contracts with uncertainties in collectability.

#### F. Accounting treatment regarding variations in contract work

As explained in Note 3 to the consolidated financial statements (Critical Accounting Estimates and Assumptions), as at December 31, 2017, the Group measures total contract revenue at the initial amount of revenue agreed in the contract; however, the measurement of contract revenue is affected by a variety of uncertainties that depend on the outcome of future events such as increase in contract revenue due to variations in contract work, claims and incentive payment; or decrease contract revenue as a result of penalties arising from delay caused by the Group in the completion of the contract. A variation is included in contract revenue when the amount of revenue can be reliably measured.

As explained in the Note 29 to the consolidated financial statements (Construction Contracts), changes in total contract revenue have occurred and while the total contract revenue is increased due to changes in specifications, estimated construction costs may not be timely updated. Accordingly there are risk of misstatements in contract revenue; therefore, we identified accounting treatment regarding variations in contract work as a significant risk.

As at December 31, 2017, in respect of accounting treatment regarding variations in contract work, we have performed the following audit procedures.

- We inquired on the Group's accounting policy for accounting treatment with regard to variations in contracts.
- In respect of construction contracts with changes in terms and conditions, we performed reconciliation for total contract revenue based on the Group's Financial Information Systems and external evidences.
- We determined whether additional contract cost estimated based on the variation in the contract has been reflected in measurement of estimated total contract cost and percentage of completion.

## (2) Restatement of Prior Year Financial Statements

As explained in the Note 41, the Group has restated its prior year consolidated financial statements to correct the understatement of impairment losses on available-for-sale financial assets for the year ended December 31, 2013. As a result, the retained earnings and other comprehensive income as at December 31, 2016, decreased and increased respectively by ₩ 24,403 million and there is no impact on the prior year's consolidated statement of profit or loss.

### ***Other Matter***

Auditing standards and their application in practice vary among countries. The procedures and practices used in the Republic of Korea to audit such financial statements may differ from those generally accepted and applied in other countries.

Seoul, Korea

February 26, 2018

This report is effective as of February 26, 2018, the audit report date. Certain subsequent events or circumstances, which may occur between the audit report date and the time of reading this report, could have a material impact on the accompanying consolidated financial statements and notes thereto. Accordingly, the readers of the audit report should understand that there is a possibility that the above audit report may have to be revised to reflect the impact of such subsequent events or circumstances, if any.



**(Attachment) Consolidated Financial Statements**

**Hyosung Corporation and Subsidiaries**

**The 63<sup>th</sup> period**

From January 1<sup>st</sup>, 2017 to December 31<sup>st</sup>, 2017

**The 62<sup>th</sup> period**

From January 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2016

"The attached consolidated financial statements were prepared by the Company."

CEO Kyu-Young Kim of Hyosung Corporation

The seat of headquarter :	Road name address	119 Mapo-daero, Mapo-gu, Seoul, Korea.
	Phone number	(02) 707-7000

**Hyosung Corporation and Subsidiaries**  
**Consolidated Statements of Financial Position**  
**December 31, 2017 and 2016**

<i>(in millions of Korean won)</i>	<b>Notes</b>	<b>2017</b>	<b>2016</b>
<b>Assets</b>			
<b>Current assets</b>			
Cash and cash equivalents	4, 7, 8, 9	₩ 501,133	₩ 431,707
Trade and other receivables	4, 6, 7, 10, 19	2,013,675	1,736,071
Due from customers for contract work	4, 7, 29	140,355	116,982
Other financial assets	4, 7, 11	82,976	50,326
Other current assets	13	190,579	169,152
Inventories	14	1,679,932	1,524,770
Current tax assets		22,330	19,438
		<u>4,630,980</u>	<u>4,048,446</u>
<b>Non-current assets</b>			
Long-term trade and other receivables	4, 7, 10, 19	313,040	305,046
Property, plant and equipment	5, 15	5,663,176	5,845,022
Investment property	5, 16	550,217	628,823
Intangible assets	5, 17	318,130	420,070
Investments in associates	18, 19	117,238	115,373
Other financial business assets	4, 7, 12	2,240,413	2,091,145
Other non-current financial assets	4, 7, 9, 11	580,452	552,834
Other non-current assets	13	65,686	62,766
Deferred tax assets	23	55,646	51,276
		<u>9,903,998</u>	<u>10,072,355</u>
<b>Total assets</b>		<u>₩ 14,534,978</u>	<u>₩ 14,120,801</u>
<b>Liabilities</b>			
<b>Current liabilities</b>			
Trade and other payables	4, 7, 19, 21	₩ 2,073,793	₩ 1,786,517
Due to customers for contract work	29	78,409	98,278
Borrowings	4, 6, 7, 20	4,916,997	4,380,424
Other financial liabilities	4, 7, 11	4,088	29,504
Current tax liabilities		83,601	150,204
Other current liabilities	24	444,292	438,150
		<u>7,601,180</u>	<u>6,883,077</u>
<b>Non-current liabilities</b>			
Long-term trade and other payables	4, 7, 19, 21	400,492	376,166
Long-term borrowings	4, 7, 20	2,345,089	2,662,171
Post-employment benefit obligation	22	23,275	43,499
Deferred tax liabilities	23	174,324	234,631
Other non-current financial liabilities	4, 7, 11	593	7,226
Other non-current liabilities	24	126,744	72,815
		<u>3,070,517</u>	<u>3,396,508</u>
<b>Total liabilities</b>		<u>10,671,697</u>	<u>10,279,585</u>
<b>Equity</b>			
<b>Equity attributable to owners of the Parent Company</b>			
Share capital	25	175,587	175,587
Share premium		130,826	130,826
Retained earnings	26	3,143,153	2,996,260
Other components of equity	11, 23, 27	203,950	316,536
		<u>3,653,516</u>	<u>3,619,209</u>
<b>Non-controlling interest</b>	39	<u>209,765</u>	<u>222,007</u>
<b>Total equity</b>		<u>3,863,281</u>	<u>3,841,216</u>
<b>Total liabilities and equity</b>		<u>₩ 14,534,978</u>	<u>₩ 14,120,801</u>

The above consolidated statements of financial position should be read in conjunction with the accompanying notes.

**Hyosung Corporation and Subsidiaries**  
**Consolidated Statements of Profit or Loss**  
**Years Ended December 31, 2017 and 2016**

(in millions of Korean won, except per share amounts)

	Notes	2017	2016
<b>Revenue</b>	5, 19, 28, 29	₩ 12,546,410	₩ 11,929,113
<b>Cost of sales</b>	19, 29, 30	<u>(10,654,352)</u>	<u>(9,770,994)</u>
<b>Gross profit</b>		1,892,058	2,158,119
Selling and administrative expenses	30, 31, 32	(1,003,612)	(1,025,169)
Research and development expenses	30	(117,639)	(116,604)
<b>Operating profit</b>	5	<u>770,807</u>	<u>1,016,346</u>
Other income	33	66,841	66,276
Other expenses	33	(395,203)	(185,300)
Finance income	34	442,823	450,963
Finance expenses	34	(509,378)	(680,086)
Share of profit of associates accounted for using the equity method, net	18	<u>6,938</u>	<u>28,315</u>
Profit before income tax		382,828	696,514
Income tax expense	23	<u>(41,989)</u>	<u>(221,112)</u>
<b>Profit for the year</b>		<u>₩ 340,839</u>	<u>₩ 475,402</u>
<b>Profit is attributable to:</b>			
Owners of the Parent Company	35	₩ 325,574	₩ 455,526
Non-controlling interests	39	<u>15,265</u>	<u>19,876</u>
		<u>₩ 340,839</u>	<u>₩ 475,402</u>
<b>Earnings per share</b>			
<b>attributable to the equity holders of the Parent Company</b>			
<b>Basic earnings per share</b>	35	₩ 9,786	₩ 13,692

The above consolidated statements of profit or loss should be read in conjunction with the accompanying notes.

**Hyosung Corporation and Subsidiaries**  
**Consolidated Statements of Comprehensive Income**  
**Years Ended December 31, 2017 and 2016**

(in millions of Korean won)

	Notes	2017	2016
<b>Profit for the year</b>		₩ 340,839	₩ 475,402
<b>Other comprehensive income</b>			
<i>Items that will not be reclassified to profit or loss</i>			
Remeasurements of net defined benefit liability	22	14,004	(2,814)
Share of remeasurements of net defined benefit liabilities of associates		(742)	(295)
<i>Items that may be subsequently reclassified to profit or loss</i>			
Change in the fair value of available-for-sale financial assets	11, 27	(34,114)	15,360
Share of other comprehensive income of associates	18, 27	96	(111)
Exchange differences	27	(110,817)	19,170
<b>Other comprehensive income for the year, net of tax</b>		<u>(131,573)</u>	<u>31,310</u>
<b>Total comprehensive income for the year</b>		<u>₩ 209,266</u>	<u>₩ 506,712</u>
<b>Total comprehensive income for the year is attributable to:</b>			
Owners of the Parent Company		₩ 202,781	₩ 483,932
Non-controlling interest		6,485	22,780
		<u>₩ 209,266</u>	<u>₩ 506,712</u>

The above consolidated statements of comprehensive income should be read in conjunction with the accompanying notes.

**Hyosung Corporation and Subsidiaries**  
**Consolidated Statements of Changes in Equity**  
**Years Ended December 31, 2017 and 2016**

	Attributable to owners of the Parent Company					Non-controlling Interest	Total Equity
	Share capital	Share premium	Retained Earnings	Other Components of Equity	Total		
<i>(in millions of Korean won)</i>							
<b>Balance at January 1, 2016</b>	₩ 175,587	₩ 130,826	₩ 2,636,042	₩ 315,803	₩ 3,258,258	₩ 213,855	₩ 3,472,113
<b>Total comprehensive income</b>							
Profit for the year	-	-	455,526	-	455,526	19,876	475,402
Remeasurements of net defined benefit liability	-	-	(1,618)	-	(1,618)	(1,196)	(2,814)
Share of remeasurements of net defined benefit liabilities of associates	-	-	(295)	-	(295)	-	(295)
Change in fair value of available-for-sale financial assets	-	-	-	14,402	14,402	959	15,361
Share of other comprehensive income of associates	-	-	-	(111)	(111)	-	(111)
Exchange differences	-	-	-	16,029	16,029	3,141	19,170
<b>Transactions with owners</b>							
Dividends paid	-	-	(116,440)	-	(116,440)	(18,480)	(134,920)
Changes in other additional capital	-	-	-	(27)	(27)	-	(27)
Others	-	-	(1,358)	(5,156)	(6,514)	3,852	(2,662)
<b>Balance at December 31, 2016</b>	₩ 175,587	₩ 130,826	₩ 2,971,857	₩ 340,940	₩ 3,619,210	₩ 222,007	₩ 3,841,217
<b>Balance at January 1, 2017</b>	₩ 175,587	₩ 130,826	₩ 2,971,857	₩ 340,940	₩ 3,619,210	₩ 222,007	₩ 3,841,217
<b>Total comprehensive income</b>							
Profit for the year	-	-	325,574	-	325,574	15,265	340,839
Remeasurements of net defined benefit liability	-	-	13,384	-	13,384	620	14,004
Share of remeasurements of net defined benefit liabilities of associates	-	-	(742)	-	(742)	-	(742)
Change in fair value of available-for-sale financial assets	-	-	-	(33,940)	(33,940)	(174)	(34,114)
Share of other comprehensive income of associates	-	-	-	96	96	-	96
Exchange differences	-	-	-	(101,591)	(101,591)	(9,226)	(110,817)
<b>Transactions with owners</b>							
Dividends paid	-	-	(166,343)	-	(166,343)	(20,130)	(186,473)
Changes in other additional capital	-	-	-	(149)	(149)	-	(149)
Others	-	-	(577)	(1,405)	(1,982)	1,403	(579)
<b>Balance at December 31, 2017</b>	₩ 175,587	₩ 130,826	₩ 3,143,153	₩ 203,951	₩ 3,653,517	₩ 209,765	₩ 3,863,282

The above consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

**Hyosung Corporation and Subsidiaries**  
**Consolidated Statements of Cash Flows**  
**Years Ended December 31, 2017 and 2016**

<i>(in millions of Korean won)</i>	<b>Notes</b>	<b>2017</b>	<b>2016</b>
<b>Cash flows from operating activities</b>			
Cash generated from operations	37	₩ 857,417	₩ 1,993,923
Income taxes paid		(151,873)	(142,842)
Interest paid		(179,904)	(191,771)
Interest received		150,841	141,127
Dividends received		8,141	12,501
<b>Net cash inflow from operating activities</b>		<b>684,622</b>	<b>1,812,938</b>
<b>Cash flows from investing activities</b>			
Proceeds from sale of other receivables		3,751	54,966
Proceeds from sale of other financial assets		100,125	130,927
Proceeds from sale of long-term other receivables		101,855	155,892
Proceeds from sale of property, plant and equipment		7,136	48,730
Government grants received		343	1,269
Proceeds from sale of investment property		56,419	5,416
Proceeds from sale of intangible assets		1,670	7,471
Proceeds from sale of investments in associates		724	2,958
Proceed from acquisition of subsidiaries, net of cash owned		(497)	-
Proceeds from sale of other non-current assets		-	9
Acquisition of other receivables		(29,791)	(96,317)
Acquisition of other financial assets		(119,546)	(102,172)
Acquisition of long-term other receivables		(183,009)	(52,253)
Acquisition of other non-current financial assets		(191,926)	(115,295)
Payments for property, plant and equipment		(704,262)	(903,271)
Payments for investment properties		(780)	(4,326)
Payments for intangible assets		(11,626)	(33,287)
Acquisition of investments in associates		(700)	(8,750)
Acquisition of other non-current assets		(89)	(300)
<b>Net cash outflow from investing activities</b>		<b>(970,203)</b>	<b>(908,333)</b>
<b>Cash flows from financing activities</b>			
Proceeds from short-term borrowings		10,856,705	11,927,716
Proceeds from long-term borrowings and issuance of debentures		1,575,293	2,394,653
Government grants received		1,830	2,598
Proceeds from long-term deposit received		15,670	-
Repayment of short-term borrowings		(10,367,253)	(12,647,162)
Repayment of long-term borrowings and debentures		(1,525,308)	(2,540,099)
Dividends paid		(166,343)	(116,440)
Change in non-controlling interest		(20,130)	(18,480)
Repayment of government grants		(1,849)	(1,134)
Repayment of deposit received		-	(739)
<b>Net cash inflow (outflow) from financing activities</b>		<b>368,615</b>	<b>(999,087)</b>
Effects of exchange rate changes on cash and cash equivalents		(13,608)	12,927
<b>Net increase (decrease) in cash and cash equivalents</b>		<b>69,426</b>	<b>(81,555)</b>
<b>Cash and cash equivalents at the beginning of the financial year</b>		<b>431,707</b>	<b>513,262</b>
<b>Cash and cash equivalents at the end of the year in the consolidated statements of financial position</b>		<b>₩ 501,133</b>	<b>₩ 431,707</b>

The above consolidated statements of cash flows should be read in conjunction with the accompanying notes.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 1. General Information

Hyosung Corporation (the “Company”) and its subsidiaries (collectively referred to as the “Group”) primarily manufactures and sells synthetic fiber products and electronic products, and is engaged in construction, financial business, and other related business activities.

As at December 31, 2017, the Group has plants in Ulsan, Anyang, Yongyeon, Icheon, Jincheon, Gumi, Daegu, Changwon, and Daejeon. In addition, the Group has subsidiaries and branches all over the world.

As at December 31, 2017, the Group's major shareholders are Cho Hyun Joon (14.27%), and Cho Hyun Sang (12.21%) and Cho Seok Rae (10.18%).

#### 1.1 Consolidated Subsidiaries

Details of the consolidated subsidiaries as at December 31, 2017 are as follows:

Subsidiaries	Percentage of Ownership <sup>1</sup>	Location	Reporting month	Main business
Gongdeokgyeongwoo development corporation	73.33%	Korea	December	Construction
Forza Motors Korea Corp.	100%	Korea	December	Automotive sale and service
Pohang Renewable Energy, Inc.	100%	Korea	December	Power plant engineering
Somesevit Corporation	57.83%	Korea	December	Service of real estate
Taeansolarfarm Corp.	100%	Korea	December	Solar power generation
HanaLandchip Private Real Estate Investment Trust No.39	77.01%	Korea	December	Service of real estate
Hyosung Goodsprings, Inc.	100%	Korea	December	Manufacture of liquid pump
Hyosung Capital Co., Ltd.	97.15%	Korea	December	Finance factoring
Nautilus Hyosung Inc.	54.02%	Korea	December	Manufacture of ATM
ATM PLUS	28.69%	KOREA	December	CD VAN BUSINESS
NAUTILUS HYOSUNG CMS INC.	54.02%	Korea	December	Cash-in-transit of ATM
NAUTILUS HYOSUNG TECH INC.	54.02%	Korea	December	Maintenance and interior of ATM
Hyosung FMS Inc.	54.02%	Korea	December	Electronic payment agency
Nautilus Hyosung America Inc.	54.02%	USA	December	Sale and maintenance of ATM
Hyosung Financial System (Huizhou) Co., Ltd.	54.02%	China	December	Office machinery and equipment manufacturing
Hyosung Capital the 18th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 20th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 21th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 22th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 23th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 24th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
Hyosung Capital the 25th Securitization Specialty Co., Ltd. <sup>2</sup>	0.49%	Korea	December	Other
HSC the 1st Co., Ltd. <sup>2</sup>	-	Korea	December	Other
HSC the 3rd Co., Ltd. <sup>2</sup>	0.97%	Korea	December	Other
HSCS the 1st Co., Ltd. <sup>2</sup>	-	Korea	December	Other

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Subsidiaries	Percentage of Ownership <sup>1</sup>	Location	Reporting month	Main business
Hyosung Investment & Development Corporation	58.75%	Korea	December	Real estate development business
Hyosung Trans World Co., Ltd	100%	Korea	December	Intermodal transport arrangements
Baoding Hyosung Tianwei Transformer Co., Ltd.	80%	China	December	Transformer manufacturing
Central Trade Investment Ltd. <sup>3</sup>	-	China	December	Other
CONSORCIOHYOSUNG-VIMAC,S.A.	100%	Panama	December	Power & systems Performance Unit consortium
GST Global GmbH	100%	Germany	December	Germany holding company
Global Safety Textiles GmbH	100%	Germany	December	Manufacture and Sale of Air-bag cushion and Fabric
Global Safety Textiles LLC	100%	USA	December	Manufacture and sale of air-bag cushion and fabric
GST Safety Textiles RO S.R.L.	100%	Romania	December	Manufacture and sale of air-bag cushion and fabric
Global Safety Textiles U.S. Holdings, Inc.	100%	USA	December	U.S.A holding company
GST Automotive Safety Components International LLC	100%	USA	December	Manufacture and sale of air-bag cushion and fabric
GST Automotive Safety Components International LLC S.A.de C.V.	100%	Mexico	December	Manufacture and sale of air-bag cushion and fabric
GST Automotive Safety Poland Sp.z.oo	100%	Poland	December	Manufacture and sale of air-bag cushion and fabric
GST Automotive Safety RO S.R.L.	100%	Romania	December	Manufacture and sale of air-bag cushion and fabric
GST Automotive Safety South Africa (Proprietary) Limited	100%	South Africa	December	Manufacture and sale of air-bag cushion and fabric
GST Automotive Safety UK Limited	100%	UK	December	England holding company
GST Automotive Safety (Changshu) Co., Ltd.	100%	China	December	Manufacture and sale of air-bag cushion and fabric
GST China Investment Limited	100%	China	December	Hong Kong holding company
GST SAFETY TEXTILES MEXICO S. de R.L. de C.V.	100%	Mexico	December	Manufacture and sale of air-bag cushion and fabric
Hyosung Mexico S. de R.L. de C.V.	100%	Mexico	December	Manufacture and sale of air-bag cushion and fabric
HICO America Sales & Tech.	100%	USA	December	General trading
Hyosung (H.K) LIMITED	100%	China	December	General trading
Hyosung Brasil industria e comercio de fibras LTDA	100%	Brazil	December	Manufacture of spandex
Hyosung Brasil Participacoes Brasil LTDA	100%	Brazil	December	Manufacture and sale of tire cords
Hyosung Chemical Fiber (Jiaxing) Co., Ltd.	100%	China	December	Manufacture of polyesters thread and T/C
Hyosung Chemicals (Jiaxing) Co., Ltd.	100%	China	December	Manufacture of chemical product
Hyosung Corporation India Private Limited	100%	India	December	General trading
Hyosung RUS	100%	Russia	December	General trading
Hyosung Europe SRL	100%	Italy	December	General trading
Hyosung (Taiwan) Corporation	100%	Taiwan	December	General trading
Hyosung Holdings USA	100%	USA	December	U.S.A holding company
Hyosung International Trade (Jiaxing) Co., Ltd.	100%	China	December	General trading
Hyosung International (HK) Ltd.	100%	China	December	General trading
Hyosung Istanbul TEKSTIL LTD.STI	76.66%	Turkey	December	Manufacture and sale of spandex
Hyosung Japan Co., Ltd.	100%	Japan	December	General trading
Hyosung Luxembourg S.A	100%	Luxembourg	December	Manufacture and sale of tire cords
Hyosung Resource (Australia) PTY Ltd.	100%	Australia	December	Resources development
Hyosung Singapore PTE Ltd.	100%	Singapore	December	General trading
Hyosung Spandex (GuangDong) Co., Ltd.	100%	China	December	Manufacture and sale of spandex
Hyosung Spandex (Jiaxing) Co., Ltd.	100%	China	December	Manufacture and sale of spandex
Hyosung Spandex (Zhuhai) Co., Ltd.	75%	China	December	Manufacture and sale of spandex



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

Subsidiaries	Percentage of Ownership <sup>1</sup>	Location	Reporting month	Main business
Hyosung SRL	100%	Romania	December	Manufacture and sale of tire cords
Hyosung Sumiden Steel Cord (Nanjing) Co., Ltd.	100%	China	December	Manufacture and sale of steel cord
Hyosung Steel Cord (Qingdao) Co., Ltd.	100%	China	December	Manufacture and sale of steel cord
Hyosung USA Inc.	100%	USA	December	Manufacture and sale of tire cords
Hyosung Vietnam Co., Ltd.	88.21%	Vietnam	December	Manufacture of tire cord, Manufacture and sales of spandex
Hyosung DongNai Co., Ltd.	76.66%	Vietnam	December	Manufacture of tire cords and spandex
Hyosung Spandex (Quzhou) Co., Ltd.	88.34%	China	December	Manufacture and sale of spandex
Hyosung New Material & High Technology (Quzhou) Co. Ltd.	88.16%	China	December	Manufacture of chemical product
Hyosung T&D India Pvt Ltd.	100%	India	December	Manufacture and sale of breaker
Luckfaith Investment LTD. <sup>3</sup>	-	China	December	Other
Nantong Hyosung Transformer Co., Ltd.	100%	China	December	Manufacture and sale of transformer
Hyosung South Africa (PTY) Ltd.	50%	South Africa	December	Electric power sale
PT.HYOSUNG JAKARTA	99.90%	Indonesia	December	General trading
Zhangjiagang Xiaosha Coil Service Co., Ltd.	64.50%	China	December	Steel manufacturing and processing

<sup>1</sup> Percentage of ownership is the effective percentage of ownership considering ownership ratio of subsidiaries.

<sup>2</sup> Although the Group's owns is less than 50% of voting rights, the Group has ability to materially impact the returns of the investees and is exposed to variable returns of the investees. Accordingly, the Group is considered to have substantive power over the entities.

<sup>3</sup> These subsidiaries are included in the scope of consolidation due to de facto control.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Summary of financial information of material subsidiaries as at and for the years ended December 31, 2017 and 2016, is as follows:

(in millions of Korean won)

	2017					
	Asset	Liability	Equity	Revenue	Profit(loss) for the year	Total comprehensive income(loss)
Hyosung Capital Co., Ltd. <sup>1</sup>	2,705,369	2,303,396	401,973	222,286	26,532	14,910
Hyosung Vietnam Co., Ltd.	780,870	466,376	314,494	1,224,618	108,650	68,716
Hyosung DongNai Co., Ltd.	648,997	573,052	75,945	523,710	27,303	19,442
Nautilus Hyosung Inc. <sup>1</sup>	608,172	324,486	283,686	605,005	7,056	7,072
GST Global GmbH <sup>1</sup>	438,130	380,348	57,782	407,547	(5,863)	(19,602)
Hyosung Chemical Fiber (Jiaxing) Co., Ltd.	310,987	146,817	164,170	287,893	20,696	11,786
Hyosung Spandex (Quzhou) Co., Ltd.	259,888	223,579	36,309	72,185	2,145	92
Hyosung Spandex (GuangDong) Co., Ltd.	257,837	151,333	106,504	221,975	7,413	864
Hyosung Spandex (Jiaxing) Co., Ltd.	232,983	112,484	120,499	152,898	27,618	20,216
Hyosung USA Inc.	215,440	123,226	92,214	567,574	8,031	(3,287)
Hyosung Goodsprings, Inc.	207,372	139,620	67,752	250,705	129	256
HICO America Sales & Tech.	196,925	164,530	32,395	216,263	5,178	1,480
HanaLandchip Private Real Estate Investment Trust No.39	191,941	159,950	31,991	8,087	1,943	1,943
Nantong Hyosung Transformer Co., Ltd.	183,156	191,944	(8,788)	122,335	209	784
Gongdeokgyeongwoo development corporation	182,521	202,030	(19,509)	4,539	(18,246)	(18,206)
Hyosung Holdings USA	181,765	99,976	81,789	115,648	(6,182)	(8,556)
Hyosung Istanbul TEKSTIL LTD.STI.	169,067	84,601	84,466	145,260	21,888	(22,909)
Hyosung Steel Cord (Qingdao) Co., Ltd	138,860	140,451	(1,591)	107,709	(16,513)	(16,955)
Hyosung Chemicals (Jiaxing) Co., Ltd.	116,718	59,915	56,803	192,116	8,375	4,567
Forza Motors Korea Corp.	110,229	88,751	21,478	293,161	5,833	5,726
Hyosung International Trade (Jiaxing) Co., Ltd.	102,233	96,662	5,571	342,997	2,516	2,303
Hyosung Japan Co., Ltd.	96,984	84,525	12,459	430,326	(1,683)	(2,938)
Hyosung Luxembourg S.A	85,015	41,107	43,908	153,021	2,480	2,112
Hyosung Brasil industria e comercio de fibras LTDA	74,988	31,305	43,683	115,429	16,131	10,059
Hyosung Trans World Co., Ltd.	39,051	28,992	10,059	187,536	3,337	3,424
Hyosung Singapore PTE Ltd.	7,208	6,926	282	214,029	27	16

<sup>1</sup> Consolidated financial information.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)

	2016					
	Asset	Liability	Equity	Revenue	Profit(loss) for the year	Total comprehensive income(loss)
Hyosung Capital Co., Ltd. <sup>1</sup>	2,477,524	2,090,460	387,064	189,467	8,157	16,910
Hyosung Vietnam Co., Ltd.	966,444	583,687	382,757	1,131,331	148,795	169,927
Nautilus Hyosung Inc. <sup>1</sup>	559,086	282,471	276,615	693,424	25,998	24,317
Hyosung DongNai Co., Ltd.	500,070	443,567	56,503	157,208	16,316	16,976
GST Global GmbH. <sup>1</sup>	434,311	356,927	77,384	404,344	(16,663)	(14,889)
Hyosung Chemical Fiber (Jiaxing) Co., Ltd.	294,892	142,508	152,384	283,711	(3,301)	(8,392)
Hyosung Spandex (GuangDong) Co., Ltd.	276,203	157,115	119,088	212,400	(9,375)	(13,440)
Doomi Construction Co. Ltd.	261,086	308,118	(47,032)	13,097	(17,440)	(17,424)
Hyosung Spandex (Jiaxing) Co., Ltd.	247,747	123,647	124,100	140,572	21,705	17,385
Hyosung USA Inc.	214,543	119,042	95,501	586,074	4,248	7,162
Hyosung Goodsprings, Inc.	208,461	137,366	71,095	268,018	6,707	6,568
Nantong Hyosung Transformer Co., Ltd.	194,063	203,634	(9,571)	122,519	(14,317)	(14,406)
HanaLandchip Private Real Estate Investment Trust No.39	191,944	159,950	31,994	8,065	1,945	1,945
Hyosung Istanbul TEKSTIL LTD.STI	185,267	92,844	92,423	160,142	30,847	34,899
Hyosung Holdings USA	185,093	86,223	98,870	74,116	267	973
Gongdeokgyeongwoo development corporation	174,770	176,074	(1,304)	-	(1,297)	(1,298)
Hyosung Steel Cord (Qingdao) Co., Ltd.	174,736	159,372	15,364	128,977	(19,407)	(20,095)
HICO America Sales & Tech.	152,134	121,216	30,918	240,125	6,815	7,838
Hyosung Chemicals (Jiaxing) Co., Ltd.	116,426	44,833	71,593	152,320	3,298	1,347
Forza Motors Korea Corp.	104,857	89,066	15,791	188,643	1,323	1,323
Hyosung Japan Co., Ltd.	95,718	80,320	15,398	421,716	388	1,616
Hyosung International Trade (Jiaxing) Co., Ltd.	95,551	92,283	3,268	313,963	(1,718)	(1,773)
Hyosung Brasil industria e comercio de fibras LTDA	81,847	41,291	40,556	105,962	21,628	27,848
Hyosung Luxembourg S.A	47,920	10,599	37,321	150,408	4,936	4,552
Hyosung Trans World Co., Ltd.	35,644	26,309	9,335	188,086	3,558	3,630
Hyosung Singapore PTE Ltd.	4,650	4,383	267	209,914	69	70

<sup>1</sup> Consolidated financial information.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 1.2 Changes in Scope for Consolidation

Subsidiaries newly included in the consolidation for the year ended December 31, 2017, are as follows:

Subsidiary	Description
Pohang Renewable Energy, Inc.	Newly acquired
Hyosung Capital the 25st Securitization Specialty Co., Ltd.	Newly acquired
Hyosung South Africa (PTY) Ltd.	Establishment

Subsidiaries excluded from the consolidation for the year ended December 31, 2017, are as follows:

Subsidiary	Description
Hyosung Capital the 11th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Capital the 12th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Capital the 13th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Capital the 14th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Capital the 15th Securitization Specialty Co., Ltd.	Liquidated
Lloyd Dynamowerke GmbH.	Liquidated
Hyosung Engineering Co., Ltd.	Merger
Doomi Construction Co., Ltd.	Merger
SYHS the 1st co., Ltd.	Liquidated
Galaxia Photonics Co., Ltd.	Liquidated
Hyosung Capital the 17th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Capital the 19th Securitization Specialty Co., Ltd.	Liquidated
Hyosung Wire Luxembourg S.A.	Merger
HSC the 2nd Co., Ltd.	Liquidated

<sup>1</sup> During 2017, the Group recognize a gain of disposal of ₩ 233 million due to the loss of control and disposal of the subsidiaries.

# **Hyosung Corporation and Subsidiaries**

## **Notes to Consolidated Financial Statements**

### **December 31, 2017 and 2016**

---

## **2. Significant Accounting Policies**

The principal accounting policies applied in the preparation of these consolidated financial statements are set out below. These policies have been consistently applied to all the years presented, unless otherwise stated.

### **2.1 Basis of Preparation**

The Group maintains its accounting records in Korean won and prepares statutory financial statements in the Korean language (Hangul) in accordance with International Financial Reporting Standards as adopted by the Republic of Korea (Korean IFRS). The accompanying consolidated financial statements have been condensed, restructured and translated into English from the Korean language financial statements.

Certain information attached to the Korean language financial statements, but not required for a fair presentation of the Group's financial position, financial performance or cash flows, is not presented in the accompanying consolidated financial statements.

The consolidated financial statements of the Group have been prepared in accordance with Korean IFRS. These are the standards, subsequent amendments and related interpretations issued by the International Accounting Standards Board (IASB) that have been adopted by the Republic of Korea.

The preparation of the consolidated financial statements requires the use of certain critical accounting estimates. It also requires management to exercise judgment in the process of applying the Group's accounting policies. The areas involving a higher degree of judgment or complexity, or areas where assumptions and estimates are significant to the consolidated financial statements are disclosed in Note 3.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.2 Changes in Accounting Policy and Disclosures

##### *(a) New and amended standards adopted by the Group*

The Group has applied the following standards and amendments for the first time for their annual reporting period commencing January 1, 2017. The adoption of these amendments did not have any material impact on the consolidated financial statements.

##### *- Amendments to Korean IFRS 1007 Statement of Cash Flows*

Amendments to Korean IFRS 1007 Statement of Cash flows require to provide disclosures that enable users of consolidated financial statements to evaluate changes in liabilities arising from financing activities, including both changes arising from cash flows and non-cash flows (Note 37).

##### *- Amendments to Korean IFRS 1012 Income Tax*

Amendments to Korean IFRS 1012 clarify how to account for deferred tax assets related to debt instruments measured at fair value. Korean IFRS 1012 provides requirements on the recognition and measurement of current or deferred tax liabilities or assets. The amendments issued clarify the requirements on recognition of deferred tax assets for unrealized losses, to address diversity in practice.

##### *- Amendments to Korean IFRS 1112 Disclosures of Interests in Other Entities*

Amendments to Korean IFRS 1112 clarify when an entity's interest in a subsidiary, a joint venture or an associate is classified as held for sales in accordance with Korean IFRS 1105, the entity is required to disclose other information except for summarized financial information in accordance with Korean IFRS 1112.

##### *(b) New standards and interpretations not yet adopted by the Group*

Certain new accounting standards and interpretations that have been published that are not mandatory for annual reporting period commencing January 1, 2017 and have not been early adopted by the Group are set out below.

##### *- Amendments to Korean IFRS 1028 Investments in Associates and Joint Ventures*

When an investment in an associate or a joint venture is held by, or its held indirectly through, an entity that is a venture capital organization, or a mutual fund, unit trust and similar entities including investment-linked insurance funds, the entity may elect to measure that investment at fair value through profit or loss in accordance with Korean IFRS 1109. The amendments clarify that an entity shall make this election separately for each associate or joint venture, at initial recognition of the associate or joint venture. These amendments will be effective for annual periods beginning on or after January 1, 2018, with early adoption permitted. The Group does not expect the amendments

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

to have a significant impact on the consolidated financial statements because the Group is not a venture capital organization.

#### - Amendment to Korean IFRS 1040 *Transfers of Investment Property*

Paragraph 57 of Korean IFRS 1040 clarifies that a transfer to, or from, investment property, including property under construction, can only be made if there has been a change in use that is supported by evidence, and provides a list of circumstances as examples. The amendment will be effective for annual periods beginning on or after January 1, 2018, with early adoption permitted. The Group does not expect the amendment to have a significant impact on the consolidated financial statements.

#### - Amendments to Korean IFRS 1102 *Share-based Payment*

Amendments to Korean IFRS 1102 clarify accounting for a modification to the terms and conditions of a share-based payment that changes the classification of the transaction from cash-settled to equity-settled. Amendments also clarify that the measurement approach should treat the terms and conditions of a cash-settled award in the same way as for an equity-settled award. The amendments will be effective for annual periods beginning on or after January 1, 2018, with early adoption permitted. The Group does not expect the amendments to have a significant impact on the consolidated financial statements.

#### - Enactment of Interpretation 2122 *Foreign Currency Transaction and Advance Consideration*

According to the enactment, the date of the transaction for the purpose of determining the exchange rate to use on initial recognition of the related asset, expense or income (or part of it) is the date on which an entity initially recognizes the non-monetary asset or non-monetary liability arising from the payment or receipt of advance consideration. If there are multiple payments or receipts in advance, the entity shall determine a date of the transaction for each payment or receipt of advance consideration. The enactment will be effective for annual periods beginning on or after January 1, 2018, with early adoption permitted. The Group does not expect the enactments to have a significant impact on the consolidated financial statements.

#### - Enactment of Korean IFRS 1116 *Leases*

Korean IFRS 1116 *Leases* issued on May 22, 2017 is effective for annual periods beginning on or after January 1, 2019, with early adoption permitted. This standard will replace Korean IFRS 1017 *Leases*, Interpretation 2104 *Determining whether an Arrangement contains a Lease*, Interpretation 2015 *Operating Leases-Incentives*, and Interpretation 2027 *Evaluating the Substance of Transactions Involving the Legal Form of a Lease*.

At inception of a contract, the entity shall assess whether the contract is, or contains, a lease. Also, at the date of initial application, the entity shall assess whether the contract is, or contains, a lease in accordance with the standard. However, the entity will not need to reassess all contracts with

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

applying the practical expedient because the entity elected to apply the practical expedient only to contracts entered before the date of initial application.

For a contract that is, or contains, a lease, the entity shall account for each lease component within the contract as a lease separately from non-lease components of the contract. A lessee is required to recognize a right-of-use asset representing its right to use the underlying leased asset and a lease liability representing its obligation to make lease payments. The lessee may elect not to apply the requirements to short-term lease (a lease term of 12 months or less at the commencement date) and low value assets (e.g. underlying assets below \$ 5,000). In addition, as a practical expedient, the lessee may elect, by class of underlying asset, not to separate non-lease components from lease components, and instead account for each lease component and any associated non-lease components as a single lease component.

#### *Lessee accounting*

A lessee shall apply this standard to its leases either:

- retrospectively to each prior reporting period presented applying Korean IFRS 1008 Accounting Policies, Changes in Accounting Estimates and Errors (Full retrospective application); or
- retrospectively with the cumulative effect of initially applying the standard recognized at the date of initial application.'

The Group has not yet elected the application method.

The Group will perform an impact assessment to identify financial effects of applying Korean IFRS 1116 during 2018. It is difficult to provide reasonable estimates of financial effects until the analyses are complete

#### *Lessor accounting*

The Group is in the process of analyzing the financial effects on the consolidated financial statements applying Korean IFRS 1116 as a lessor.



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### - Enactment of Korean IFRS 1109 *Financial Instruments*

The new standard for financial instruments issued on September 25, 2015 are effective for annual periods beginning on or after January 1, 2018 with early application permitted. This standard will replace Korean IFRS 1039 *Financial Instruments: Recognition and Measurement*. The Group will apply the standards for annual periods beginning on or after January 1, 2018.

The standard requires retrospective application with some exceptions. For example, an entity is not required to restate prior period in relation to classification and measurement (including impairment) of financial instruments. The standard requires prospective application of its hedge accounting requirements for all hedging relationships except the accounting for time value of options and other exceptions.

Korean IFRS 1109 *Financial Instruments* requires all financial assets to be classified and measured on the basis of the entity's business model for managing financial assets and the contractual cash flow characteristics of the financial assets. A new impairment model, an expected credit loss model, is introduced and any subsequent changes in expected credit losses will be recognized in profit or loss. Also, hedge accounting rules amended to extend the hedging relationship, which consists only of eligible hedging instruments and hedged items, qualifies for hedge accounting.

An effective implementation of Korean IFRS 1109 requires preparation processes including financial impact assessment, accounting policy establishment, accounting system development and the system stabilization. The impact on the Group's consolidated financial statements due to the application of the standard is dependent on judgements made in applying the standard, financial instruments held by the Group and macroeconomic variables.

As at December 31, 2017, the Group is in the process of analyzing the financial effects on the consolidated financial statements applying Korean IFRS 1109. The following areas are likely to be affected consolidated financial statements in general.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### (a) Classification and Measurement of Financial Assets

When implementing Korean IFRS 1109, the classification of financial assets will be driven by the Group's business model for managing the financial assets and contractual terms of cash flow. The following table shows the classification of financial assets measured subsequently at amortized cost, at fair value through other comprehensive income and at fair value through profit or loss. If a hybrid contract contains a host that is a financial asset, the classification of the hybrid contract shall be determined for the entire contract without separating the embedded derivative.

<b>Business model for the contractual cash flows characteristics</b>	<b>Solely represent payments of principal and interest</b>	<b>All other</b>
<i>Hold the financial asset for the collection of the contractual cash flows</i>	Measured at amortized cost <sup>1</sup>	
<i>Hold the financial asset for the collection of the contractual cash flows and sale</i>	Recognized at fair value through other comprehensive income <sup>1</sup>	Recognized at fair value through profit or loss <sup>2</sup>
<i>Hold for sale</i>	Recognized at fair value through profit or loss	

<sup>1</sup> A designation at fair value through profit or loss is allowed only if such designation mitigates an accounting mismatch (irrevocable).

<sup>2</sup> Equity investments not held for trading can be recorded in other comprehensive income (irrevocable).

With the implementation of Korean IFRS 1109, the criteria to classify the financial assets at amortized cost or at fair value through other comprehensive income are more strictly applied than the criteria applied with Korean IFRS 1039. Accordingly, the financial assets at fair value through profit or loss may increase by implementing Korean IFRS 1109 and may result an extended fluctuation in profit or loss.

As at December 31, 2017, the Group owns loans and receivables of ₩ 5,371,031 million, financial assets available-for-sales of ₩477,598 million and financial assets at fair value through profit or loss of ₩23,416 million.

According to Korean IFRS 1109, a debt instrument is measured at amortized cost if: a) the objective of the business model is to hold the financial asset for the collection of the contractual cash flows, and b) the contractual cash flows under the instrument solely represent payments of principal and interest. As at December 31, 2017, the Group measured loans and receivables of ₩5,371,031million at amortized costs. However, in the case of debt instruments (loans and receivables), which are the main contracts of compound instruments, the contractual cash flows do not consist of payments of principal and interest on the principal amount outstanding. Therefore, it is probable that the instrument classified fair value through profit or loss and may result an extended fluctuation in profit or loss.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

According to Korean IFRS 1109, a debt instrument is measured at fair value through other comprehensive income if the objective of the business model is achieved both by collecting contractual cash flows and selling financial assets; and the contractual cash flows represents solely payments of principal and interest on a specific date under contract terms. As at December 31, 2017, the Group holds debt instruments of ₩ 1,110 million classified as financial assets available-for-sale.

Based on results from the preliminary impact assessment of Korean IFRS 1109, if Korean IFRS 1109 is applied for the above debt instruments classified as financial assets available-for-sale, the non-finance segment of Group expects the majority of the financial assets to be measured at fair value through other comprehensive income. However, when applied to debt instruments classified as available-for-sale financial assets in the finance segment of Group, most of them are classified as investment securities and beneficiary certificates, and the contractual cash flows do not consist of payments of principal and interest on the principal amount outstanding. Therefore, it is probable that the instrument classified fair value through profit or loss and may result an extended fluctuation in profit or loss.

According to Korean IFRS 1109, equity instruments that are not held for trading, the Group can make an irrevocable election at initial recognition to classify the instruments as assets measured at fair value through other comprehensive income, which all subsequent changes in fair value being recognized in other comprehensive income and not recycled to profit or loss. As at December 31, 2017, the Group holds equity instruments of ₩ 476,488 million classified as financial assets available-for-sale and recycled unrealized gain or loss of ₩ (8,305) million arose from the equity instruments to profit or loss.

Based on results from the preliminary impact assessment of Korean IFRS 1109, the Group plans to designate equity instruments, which are classified in financial assets available-for-sale, as instruments measured at fair value through other comprehensive income for long-term investment purpose or collecting bonds purpose. Also, listed stocks held for investment are likely to be classified as fair value through profit or loss and may result an extended fluctuation in profit or loss.

According to Korean IFRS 1109, debt instruments those contractual cash flows do not represent solely payments of principal and interest and held for trading, and equity instruments that are not designated as instruments measured at fair value through other comprehensive income are measured at fair value through profit or loss. As at December 2017, the Group holds equity instruments classified as financial assets at fair value through profit or loss that amount to ₩ 23,416 million.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### *(b) Classification and Measurement of Financial Liabilities*

Korean IFRS 1109 requires the amount of the change in the liability's fair value attributable to changes in the credit risk to be recognized in other comprehensive income, unless this treatment of the credit risk component creates or enlarges a measurement mismatch. Amounts presented in other comprehensive income are not subsequently transferred to profit or loss. However, the amount of change in the fair value of the financial liability that is attributable to changes in the credit risk of that liability recognized with other comprehensive income would create or enlarge an accounting mismatch, the Group recognizes all gains or losses on that liability in profit or loss.

Under Korean IFRS 1039, all financial liabilities designated at fair value through profit or loss recognized their fair value movements in profit or loss. However, under Korean IFRS 1109, certain fair value movements will be recognized in other comprehensive income and as a result profit or loss from fair value movements may decrease.

#### *(c) Impairment: Financial Assets and Contract Assets*

The new impairment model requires the recognition of impairment provisions based on expected credit losses (ECL) rather than only incurred credit losses as is the case under Korean IFRS 1039. It applies to financial assets classified at amortized cost, debt instruments measured at fair value through other comprehensive income, lease receivables, contract assets, loan commitments and certain financial guarantee contracts.

Under Korean IFRS 1109 'expected loss' model, a credit event (or impairment 'trigger') no longer has to occur before credit losses are recognized. The Group will always recognize (at a minimum) 12-month expected credit losses in profit or loss. Lifetime expected losses will be recognized on assets for which there is a significant increase in credit risk after initial recognition.

Stage <sup>1</sup>		Loss allowance
1	No significant increase in credit risk after initial recognition <sup>2</sup>	12-month expected credit losses (expected credit losses that result from those default events on the financial instrument that are possible within 12 months after the reporting date)
2	Significant increase in credit risk after initial recognition	Lifetime expected credit losses (expected credit losses that result from all possible default events over the life of the financial instrument)
3	Credit-impaired	

<sup>1</sup> A loss allowance for lifetime expected credit losses is required for a financial instrument if the credit risk on that financial instrument has increased significantly since initial recognition. It is also required for contract assets or trade receivables that are not, according to Korean IFRS 1115 *Revenue from Contracts with Customers*, considered to contain a significant financing component. Additionally, the Group can elect an accounting policy of recognizing lifetime expected credit losses for all contract assets and/or all trade receivables, including those that contain a significant financing component.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

<sup>2</sup> If the financial instrument has low credit risk at the end of the reporting period, the Group may assume that the credit risk has not increased significantly since initial recognition.

Under Korean IFRS 1109, the asset that is credit-impaired at initial recognition would recognize all changes in lifetime expected credit losses since the initial recognition as a loss allowance with any changes recognized in profit or loss.

As at December 31, 2017, the Group owns debt investment carried at amortized cost of ₩ 5,621,115 million (loans and receivables of ₩ 5,621,115 million). And the Group recognized loss allowance of ₩ (250,084) million for these assets.

#### - Enactment of Korean IFRS 1115 *Revenue from Contracts with Customers*

Korean IFRS 1115 *Revenue from Contracts with Customers* issued on November 6, 2015 will be effective for annual reporting periods beginning on or after January 1, 2018, with early adoption permitted. This standard replaces Korean IFRS 1018 *Revenue*, Korean IFRS 1011 *Construction Contracts*, Interpretation 2031 *Revenue-Barter Transactions Involving Advertising Services*, Interpretation 2113 *Customer Loyalty Programs*, Interpretation 2115 *Agreements for the Construction of Real Estate* and Interpretation 2118 *Transfers of assets from customers*.

The Group must apply Korean IFRS 1115 *Revenue from Contracts with Customers* within annual reporting periods beginning on or after January 1, 2018, and will elect the modified retrospective approach which will recognize the cumulative impact of initially applying the revenue standard as an adjustment to retained earnings as at January 1 2018, the period of initial application.

Korean IFRS 1018 and other current revenue standard identify revenue as income that arises in the course of ordinary activities of an entity and provides guidance on a variety of different types of revenue, such as, sale of goods, rendering of services, interest, dividends, royalties and construction contracts. However, the new standard is based on the principle that revenue is recognized when control of a good or service transfers to a customer so the notion of control replaces the existing notion of risks and rewards. A new five-step process must be applied before revenue from contract with customer can be recognized:

- Identify contracts with customers
- Identify the separate performance obligation
- Determine the transaction price of the contract
- Allocate the transaction price to each of the separate performance obligations, and
- Recognize the revenue as each performance obligation is satisfied

As at December 31, 2017, the Group has prepared for improvement of internal management process or initiated to adjust accounting system in relation to implementation of Korean IFRS 1115.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

Also, the Group is in the process of analyzing effects on consolidated financial statements of applying the standard. The Group has identified the impact of applying the new standard.

#### *(a) Identify performance obligation*

With implementation of Korean IFRS 1115, the Group have to identify the performance obligations in the contract with customer. The Group's recognition timing of revenue may change whether each performance obligation satisfies over time or satisfies at a point in time.

#### *(b) A performance obligation is satisfied over time*

In accordance with Korean IFRS 1115, the revenue is recognized over time by measuring progress only if the Group's performance creates or enhances an asset that the customer controls as the asset is created or enhanced or the Group's performance does not create an asset with an alternative use to the Group and the Group has an enforceable right to payment for performance completed to date.

#### *(c) Incremental costs of obtaining a contract*

In accordance with Korean IFRS 1115, the Group shall recognize as an asset the incremental costs of obtaining a contract with a customer if the Group expects to recover those costs. Incremental costs of obtaining a contract are those costs that an entity incurs to obtain a contract with a customer that it would not have incurred if the contract had not been obtained. Costs to obtain a contract that would have been incurred regardless of whether the contract was obtained shall be recognized as an expense when incurred, unless those costs are explicitly chargeable to the customer regardless of whether the contract is obtained.

#### *(d) Variable consideration*

With implementation of Korean IFRS 1115, the Group estimates an amount of variable consideration by using the expected value which the Group expects to better predict the amount of consideration. The Group recognize revenue with transaction price including variable consideration only to the extent that it is highly probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the refund period has lapsed. The refund liability is measured at the amount of consideration received (or receivable) for which the Group does not expect to be entitled.

#### *(e) Significant financing component in the contract*

With implementation of Korean IFRS 1115, In determining the transaction price, if the timing of payments agreed to by the parties to the contract provides the customer or the entity with a significant benefit of financing the transfer of goods or services to the customer, the Group recognize revenue at an amount that reflects the prices that a customer would have paid for the promised goods or services if the customer had paid cash for those goods or services.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.3 Consolidation

The Group has prepared the consolidated financial statements in accordance with Korean IFRS 1110 *Consolidated Financial Statements*.

##### *(a) Subsidiaries*

Subsidiaries are all entities over which the Group has control. The Group controls the corresponding investee when it is exposed, or has rights, to variable returns from its involvement with the investee and has the ability to affect those returns through its power over the investee. The consolidation of a subsidiary begins from the date the Group obtains control of a subsidiary and ceases when the Group loses control of the subsidiary.

The Group applies the acquisition method to account for business combinations. The consideration transferred is measured at the fair values of the assets transferred, and identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are initially measured at their fair values at the acquisition date. The Group recognizes any non-controlling interest in the acquiree on an acquisition-by-acquisition basis in the event of liquidation, either at fair value or at the non-controlling interest's proportionate share of the recognized amounts of acquiree's identifiable net assets. All other non-controlling interests are measured at their acquisition-date fair values, unless another measurement basis is required by IFRSs. Acquisition-related costs are expensed as incurred.

Goodwill is recognized as the excess of the aggregate of the consideration transferred, the amount of any non-controlling interest in the acquiree, and the acquisition-date fair value of the acquirer's previously held equity interest in the acquiree over the identifiable net assets acquired. If this consideration is lower than the fair value of the net assets of the subsidiary acquired, the difference is recognized in profit or loss.

Balances of receivables and payables, income and expenses and unrealized gains on transactions between the Group subsidiaries are eliminated. Accounting policies of subsidiaries have been changed where necessary to ensure consistency with the policies adopted by the Group.

##### *(b) Associates*

Associates are all entities over which the Group has significant influence, and investments in associates are initially recognized at acquisition cost using the equity method. Unrealized gains on transactions between the Group and its associates are eliminated to the extent of the Group's interest in the associates. If there is any objective evidence that the investment in the associate is impaired, the Group recognizes the difference between the recoverable amount of the associate and its book value as impairment loss.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.4 Segment Reporting

Information of each segment is reported in a manner consistent with the internal reporting provided to the chief operating decision-maker (Note 5). The chief operating decision-maker is responsible for allocating resources and assessing performance of the operating segments.

#### 2.5 Foreign Currency Translation

##### *(a) Functional and presentation currency*

Items included in the financial statements of each of the Group's entities are measured using the currency of the primary economic environment in which the each entity operates (the "functional currency"). The consolidated financial statements are presented in Korean won, which is the Parent Company's functional and presentation currency.

##### *(b) Transactions and balances*

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions or valuation where items are re-measured. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognized in profit or loss.

#### 2.6 Financial Assets

##### *(a) Classification and measurement*

The Group classifies its financial assets in the following categories: financial assets at fair value through profit or loss, available-for-sale financial assets, loans and receivables, and held-to-maturity financial assets. Regular purchases and sales of financial assets are recognized on the trade date.

Regular purchases and sales of financial assets are recognized on the trade date. At initial recognition, financial assets are measured at fair value plus, in the case of financial assets not carried at fair value through profit or loss, transaction costs. Transaction costs of financial assets carried at fair value through profit or loss are expensed in the statements of profit or loss. After the initial recognition, available-for-sale financial assets and financial assets at fair value through profit or loss are subsequently carried at fair value. Loans and receivables, and held-to-maturity investments are subsequently carried at amortized cost using the effective interest rate method.

Changes in fair value of financial assets at fair value through profit or loss are recognized in profit or loss and changes in fair value of available-for-sale financial assets are recognized in other comprehensive income. When the available-for-sale financial assets are sold or impaired, the fair value adjustments recorded in equity are reclassified into profit or loss.



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### *(b) Impairment*

The Group assesses at the end of each reporting period whether there is objective evidence that a financial asset or a group of financial assets is impaired. A financial asset or a group of financial assets is impaired and impairment losses are incurred only if there is objective evidence of impairment as a result of one or more events that occurred after the initial recognition of the asset (a 'loss event') and that loss event (or events) has an impact on the estimated future cash flows of the financial asset or a group of financial assets that can be reliably estimated.

Impairment of loans and receivables is presented as a deduction in an allowance account. Impairment of other financial assets is directly deducted from their carrying amount. The Group writes off financial assets when the assets are determined to be no longer recoverable.

The objective evidence that a financial asset is impaired includes significant financial difficulty of the issuer or obligor; a breach of contract, such as a default or delinquency in interest or principal payments; or the disappearance of an active market for that financial asset because of financial difficulties. In addition, a significant decline in the fair value of an available-for-sale equity instrument from its cost or a prolonged decline below its cost is also objective evidence of impairment.

#### *(c) Derecognition*

If the Group transfers a financial asset and the transfer does not result in derecognition because the Group has retained substantially all the risks and rewards of ownership of the transferred asset due to a recourse in the event the debtor defaults, the Group continues to recognize the transferred asset in its entirety and recognizes a financial liability for the consideration received. The related financial liability is classified as 'borrowings or long-term borrowings' in the statement of financial position (Note 6).

#### *(d) Offsetting of financial instruments*

Financial assets and liabilities are offset and the net amount reported in the consolidated statements of financial position where there is a legally enforceable right to offset the recognized amounts and there is an intention to settle on a net basis or realize the assets and settle the liability simultaneously. The legally enforceable right must not be contingent on future events and must be enforceable in the normal course of business and in the event of default, insolvency or bankruptcy of the Group or the counterparty.

## **2.7 Derivative Instruments**

Derivatives are initially recognized at fair value on the date when a derivative contract is entered into and are subsequently re-measured at their fair value. Changes in the fair value of the derivatives that are not qualified for hedge accounting are recognized in the statement of profit or loss within 'other income (expenses)' according to the nature of transactions.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.8 Inventories

Inventories are stated at the lower of cost and net realizable value. Cost is determined using the moving-weighted average method (the gross-weighted average method or the first-in, first-out (FIFO) method in some subsidiaries) except for in-transit inventories which are determined using the specific identification method.

#### 2.9 Property, Plant and Equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses. Historical cost includes expenditures that is directly attributable to the acquisition of the items.

Land is not depreciated. Depreciation on other assets is calculated using the straight-line method to allocate the difference between their cost and their residual values over their estimated useful lives, as follows:

Estimated Useful Lives			Estimated Useful Lives		
Buildings	10 - 60	years	Vehicles	3 - 10	years
Structures	5 - 40	years	Tools and equipment	3 - 15	years
Machinery	3 - 30	years	Others	2 - 10	years

The depreciation method, residual values and useful lives of property, plant and equipment are reviewed at the end of each reporting period and, if appropriate, accounted for as changes in accounting estimates.

#### 2.10 Borrowing Costs

Borrowing costs incurred in the acquisition or construction of a qualifying asset are capitalized in the period when it is prepared for its intended use, and investment income earned on the temporary investment of borrowings made specifically for the purpose obtaining a qualifying asset is deducted from the borrowing costs eligible for capitalization during the period. Other borrowing costs are recognized as expenses for the period in which they are incurred.

#### 2.11 Government Grants

Government grants are recognized at their fair values when there is reasonable assurance that the grant will be received and the Group will comply with the conditions attaching to it. Government grants related to assets are presented by deducting the grants in arriving at the carrying amount of the assets, and grants related to income are deferred and presented by deducting the related expenses for the purpose of the government grants.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.12 Intangible Assets

Goodwill is measured as explained in Note 2.3.(1) and carried at its cost less accumulated impairment losses.

Intangible assets, except for goodwill, are initially recognized at its historical cost and carried at its cost less accumulated amortization and accumulated impairment losses.

Internally generated software development costs are the aggregate costs recognized after meeting the asset recognition criteria, including technical feasibility, and determined to have future economic benefits. Membership rights are regarded as intangible assets with indefinite useful life and not amortized because there is no foreseeable limit to the period over which the assets are expected to be utilized. Intangible assets with definite useful life that are amortized using the straight-line method over their estimated useful lives, are as follows:

	Estimated Useful Lives
Industrial rights	5 - 20 years
Other intangible assets	3 - 50 years

#### 2.13 Investment Property

Property held to earn rentals or for capital appreciation or both is classified as investment property. Investment property is measured initially at its cost. After recognition as an asset, investment property is carried at cost less accumulated depreciation and impairment losses. Investment property, except for land, is depreciated using the straight-line method over 40 years.

#### 2.14 Lease

A lease is an agreement, whereby the lessor conveys to the lessee, in return for a payment or series of payments, the right to use an asset for an agreed period of time. Leases where all the risks and rewards of ownership are not transferred to the Group are classified as operating leases. Lease payments under operating leases are recognized as expenses on a straight-line basis over the lease term.

Leases where the Group has substantially all the risks and rewards of ownership are classified as finance leases and recognized as lease assets and liabilities at the lower of the fair value of the leased property and the present value of the minimum lease payments on the opening date of the lease period.

A lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership at the inception of the lease. A lease other than a finance lease is classified as an operating lease. Lease income from operating leases is recognized in income on a straight-line basis over the lease term. Initial direct costs incurred by the lessor in negotiating and arranging an operating lease is added to the carrying amount of the leased asset and recognized as an expense over the lease term on the same basis as the lease income.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### **2.15 Impairment of Non-financial Assets**

Goodwill or intangible assets with indefinite useful lives are not subject to amortization and are tested annually for impairment. Assets that are subject to amortization are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. An impairment loss is recognized for the amount by which the asset's carrying amount exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs to sell and value in use. Non-financial assets, other than goodwill, that suffered impairment are reviewed for possible reversal of the impairment at the end of each reporting period.

#### **2.16 Financial Liabilities**

##### *(a) Classification and measurement*

Financial liabilities at fair value through profit or loss are financial instruments held for trading. Financial liabilities are classified in this category if incurred principally for the purpose of repurchasing them in the near term. Derivatives that are not designated as hedges or bifurcated from financial instruments containing embedded derivatives are also categorized as held-for-trading.

The Group classifies non-derivative financial liabilities, except for financial liabilities at fair value through profit or loss, financial guarantee contracts and financial liabilities that arise when a transfer of financial assets does not qualify for derecognition, as financial liabilities carried at amortized cost and presented as '(long-term) trade payables', '(long-term) borrowings', and 'other (non-current) financial liabilities' in the statement of financial position.

Preferred shares that provide for a mandatory redemption at a particular date are classified as liabilities. Interest expenses on these preferred shares calculated using the effective interest method are recognized in the statement of profit or loss as 'finance expenses', together with interest expenses recognized on other financial liabilities.

##### *(b) Derecognition*

Financial liabilities are removed from the statement of financial position when it is extinguished, for example, when the obligation specified in the contract is discharged, cancelled or expired or when the terms of an existing financial liability are substantially modified.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.17 Financial Guarantee Contracts

Financial guarantees contracts provided by the Group are initially measured at fair value on the date the guarantee was given. Subsequent to initial recognition, the Group's liabilities under such guarantees are measured at the higher of the amounts below and recognized as 'trade and other payables':

- (a) The amount determined in accordance with Korean IFRS 1037 *Provisions, Contingent Liabilities and Contingent Assets*; or
- (b) The initial amount, less accumulated amortization recognized in accordance with Korean IFRS1018 *Revenue*.

#### 2.18 Provisions

Provisions are measured at the present value of the expenditures expected to be required to settle the obligation and the increase in the provision due to passage of time is recognized as interest expense.

#### 2.19 Current and Deferred Tax

The tax expense for the period consists of current and deferred tax. Tax is recognized on the profit for the year in the statement of profit or loss, except to the extent that it relates to items recognized in other comprehensive income or directly in equity.

The tax expense is calculated on the basis of the tax laws enacted or substantively enacted at the end of the reporting period.

Management periodically evaluates tax policies that are applied in tax returns in which applicable tax regulation is subject to interpretation. The Group recognizes current income tax on the basis of the amount expected to be paid to the tax authorities.

Deferred tax is recognized for temporary differences arising between the tax bases of assets and liabilities and their carrying amounts as expected tax consequences at the recovery or settlement of the carrying amounts of the assets and liabilities. However, deferred tax assets and liabilities are not recognized if they arise from initial recognition of an asset or liability in a transaction other than a business combination that at the time of the transaction affects neither accounting nor taxable profit or loss.

Deferred tax assets are recognized only to the extent that it is probable that future taxable profit will be available against which the deductible temporary differences can be utilized.

Deferred tax liability is recognized for taxable temporary differences associated with investments in subsidiaries, associates, and interests in joint ventures, except to the extent that the Group is able to control the timing of the reversal of the temporary difference and it is probable that the temporary

## Hyosung Corporation and Subsidiaries

### Notes to Consolidated Financial Statements

#### December 31, 2017 and 2016

---

difference will not reverse in the foreseeable future. In addition, deferred tax asset is recognized for deductible temporary differences arising from such investments to the extent that it is probable the temporary difference will reverse in the foreseeable future and taxable profit will be available against which the temporary difference can be utilized.

Deferred tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets against current tax liabilities and when the deferred income taxes assets and liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities where there is an intention to settle the balances on a net basis.

#### **2.20 Employee Benefits**

##### *(a) Post-employment benefits*

The Group has both defined contribution and defined benefit plans.

A defined contribution plan is a pension plan under which the Group pays fixed contributions into a separate entity. The contributions are recognized as employee benefit expense when an employee has rendered service.

A defined benefit plan is a pension plan that is not a defined contribution plan. Typically defined benefit plans define an amount of pension benefit that an employee will receive on retirement, usually dependent on one or more factors such as age, years of service and compensation. The liability recognized in the statement of financial position in respect of defined benefit pension plans is the present value of the defined benefit obligation at the end of the reporting period less the fair value of plan assets. The defined benefit obligation is calculated annually by independent actuaries using the projected unit credit method. The present value of the defined benefit obligation is determined by discounting the estimated future cash outflows using interest rates of high-quality corporate bonds and that have terms to maturity approximating to the terms of the related pension obligation. The remeasurements of the net defined benefit liability are recognized in other comprehensive income.

If any plan amendments, curtailments, or settlements occur, past service costs or any gains or losses on settlement are recognized as profit or loss for the year.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 2.21 Revenue Recognition

Revenue is measured at the fair value of the consideration received or receivable for the sale of goods or rendering of services arising from the normal activities of the Group. It is stated as net of value added taxes, returns, rebates and discounts, after elimination of intra-company transactions.

The Group recognizes revenue when the amount of revenue can be reliably measured; when it is probable that future economic benefits will flow to the entity; and when specific criteria have been met for each of the Group's activities, as described below. The Group bases its estimate on historical results, taking into consideration the type of customer, the type of transaction and the specifics of each arrangement.

##### *(a) Sale of goods*

Revenue from the sale of goods is recognized when products are delivered to the purchaser.

##### *(b) Rendering of services*

When the outcome of the transaction involving the rendering of services can be estimated reliably, revenue is recognized using the percentage of completion. When the outcome of the transaction involving the rendering of services cannot be estimated reliably, revenue is recognized only to the extent of the expenses recognized that are recoverable.

##### *(c) Royalty income*

Royalty income is recognized on an accrual basis in accordance with the substance of the relevant agreements.

##### *(d) Interest income*

Interest income is recognized using the effective interest method according to the time passed. When a loan and receivable is impaired, the Group reduces the carrying amount to its recoverable amount and continues unwinding the discount as interest income. Interest income on impaired loans and receivables is recognized using the original effective interest rate.

##### *(e) Dividend income*

Dividend income is recognized when the right to receive payment is established.

#### 2.22 Construction Contracts

A construction contract is defined by Korean IFRS 1011 *Construction Contracts*, as a contract specifically negotiated for the construction of an asset.

When the outcome of a construction contract can be estimated reliably and it is probable that the

# **Hyosung Corporation and Subsidiaries**

## **Notes to Consolidated Financial Statements**

### **December 31, 2017 and 2016**

---

contract will be profitable, contract revenue is recognized over the period of the contract by reference to the stage of completion. Contract costs are recognized as expenses by reference to the stage of completion of the contract activity at the end of the reporting period. When it is probable that total contract costs will exceed total contract revenue, the expected loss on the construction contract is immediately recognized as an expense.

When the outcome of a construction contract cannot be estimated reliably, contract revenue is recognized only to the extent of contract costs incurred that are likely to be recoverable. The contract revenue is included if it is probable that the customer will approve the amount of revenue arising from the variation and the amount of revenue can be reliably measured. Contract costs are recognized as an expense in the period in which they are incurred.

The Group uses the 'percentage-of-completion method' to determine the appropriate amount to recognize in a given period. The stage of completion is measured by reference to the contract costs incurred up to the end of the reporting period as a percentage of total estimated costs for each contract. Costs incurred in the year in connection with future activity on a contract are excluded from contract costs in determining the stage of completion. These amounts are recognized as inventory, advance payments or other assets.

On the statement of financial position, the Group reports the net contract position for each contract as either an asset or a liability. A contract represents an asset where costs incurred plus recognized profits (less recognized losses) exceed progress billings (due from customers for contract work); a contract represents a liability where the opposite is the case (due to customers for contract work).

Meanwhile, profits from off-plan sales are recognized by using the percentage-of-completion method according to Q&A of Korea Accounting Institute, 2011-I-KQA. This accounting standard is applicable for Companies that have adopted Korean IFRS of Laws on External Audit of a Corporation (Article 13, Section 1 and Paragraph 1).

#### **2.23 Non-current Assets (or Disposal Group) Held for sale**

Non-current assets (or disposal group) are classified as held for sale when their carrying amount will be recovered principally through a sale transaction rather than through continuing use and a sale is considered highly probable. The assets are measured at the lower amount between their carrying amount and the fair value less costs to sell.

#### **2.24 Approval of Issuance of the Financial Statements**

The issuance of the December 31, 2017 consolidated financial statements of the Group was approved by the Board of Directors on February 22, 2018, which is subject to change with the approval of the shareholders at their annual shareholders' meeting.



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

### 3. Critical Accounting Estimates and Assumptions

The Group makes estimates and assumptions concerning the future. Estimations and assumptions are continuously evaluated with consideration to factors such as events reasonably predictable in the foreseeable future within the present circumstance according to historical experience. The resulting accounting estimates will, by definition, seldom equal the related actual results. The estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are addressed below.

#### *(a) Estimated impairment of goodwill*

The Group tests annually whether goodwill has suffered any impairment. The recoverable amounts of cash-generating units have been determined based on value-in-use calculations (Note 17).

#### *(b) Income taxes*

The Group is operating in numerous countries and the income generated from these operations is subject to income taxes based on tax laws and interpretations of tax authorities in numerous jurisdictions. There are many transactions and calculations for which the ultimate tax determination is uncertain (Note 23).

If certain portion of the taxable income is not used for investments or increase in wages or dividends in accordance with the Tax System For Recirculation of Corporate Income, the Group is liable to pay additional income tax calculated based on the tax laws. The new tax system is effective for three years from 2015. Accordingly, the measurement of current and deferred income tax is affected by the tax effects from the new tax system. As the Group's income tax is dependent on the investments, increase in wages and dividends, there is an uncertainty measuring the final tax effects.

#### *(c) Fair value of financial instruments*

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. The Group uses its judgment to select a variety of methods and make assumptions that are mainly based on market conditions existing at the end of each reporting period (Note 4).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### *(d) Provisions*

As described in Note 24, the Group recognizes provisions for warranties, repairs and estimated returns as at the reporting date. The amounts are estimated based on historical data.

#### *(e) Net defined benefit liabilities*

The present value of net defined benefit liabilities depends on a number of factors that are determined on an actuarial basis using a number of assumptions including the discount rate (Note 22).

#### *(f) Uncertainty of the estimated total contract revenue*

Total contract revenue is measured based on contractual amount initially agreed. The contract revenue can be increased by additional contract work, claims and incentive payments in the course of construction, or decreased by the penalty when the completion of contract is delayed due to the Group's fault. Therefore, this measurement of contract revenue is affected by the uncertainty of the occurrence of future events. The change in contract revenue is recognized when it is probable that the customer will approve the increase in revenue due to the changes in contract work, or when it is probable that the Group will be able to satisfy the performance requirements, and the amount can be estimated reliably.

#### *(g) Estimated total contract costs*

Construction revenue is recognized according to the percentage of completion, which is measured on the basis of the gross amount incurred to date. Total contract costs are estimated based on future estimates of material costs, labor costs, construction period and others.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 4. Financial Risk Management

##### 4.1 Financial Risk Factors

The Group's activities expose it to a variety of financial risks: market risk (including currency risk, price risk and interest rate risk), credit risk and liquidity risk. The Group's overall risk management program focuses on the unpredictability of financial markets and seeks to minimize potential adverse effects on the Group's financial performance. The Group uses derivative financial instruments to hedge certain risk exposures.

Risk management is carried out under policies approved by the Board of Directors. The Board reviews and approves written principles for overall risk management, as well as written policies covering specific areas, such as foreign exchange risk, interest rate risk, credit risk, use of derivative financial instruments and non-derivative financial instruments, and investment of excess liquidity.

##### *(a) Market risk*

##### *i) Foreign exchange risk*

The Group operates internationally and is exposed to foreign exchange risk arising from various currency exposures, primarily with respect to the US dollar, Europe Euro, Chinese yuan and other currencies; such as, the Japanese yen, Turkish lira and Singapore dollar. Foreign exchange risk arises from future commercial transactions, recognized assets and liabilities and net investments in foreign operations.

Management has set up a policy to require group companies to manage their foreign exchange risk against their functional currency.

The Group has certain investments in foreign operations, whose net assets are exposed to foreign currency translation risk.

The impact of weakened/strengthened Korean won by 10% against foreign currencies with all other variables held constant on the pre-tax profit for the year as at December 31, 2017 and 2016, is as follows:

*(in millions of Korean won)*

		<b>Impact on pre-tax profit</b>	
		<b>2017</b>	<b>2016</b>
USD	Strengthened	₩ (109,678)	₩ (101,364)
	Weakened	109,678	101,364
EUR	Strengthened	(23,178)	(26,020)
	Weakened	23,178	26,020
JPY	Strengthened	(2,794)	(7,770)
	Weakened	2,794	7,770
Others	Strengthened	2,637	1,238
	Weakened	(2,637)	(1,238)

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### ii) Price risk

The Group is exposed to equity securities price risk because of investments held by the Group and classified on the consolidated statement of financial position either as available-for-sale or at fair value through profit or loss.

The Group's investments in equity of other entities that are publicly traded are included in one of the following two equity indexes: KOSPI equity index and KOSDAQ equity index.

As at December 31, 2017 and 2016, the impact of increases/decreases of the stock price by 30% with all other variables held constant on the Group's equity is as follows:

<i>(in millions of Korean won)</i>		<b>Impact on equity</b>	
		<b>2017</b>	<b>2016</b>
KOSPI	Increase	₩ 40,654	₩ 52,703
	Decrease	(40,654)	(52,703)
KOSDAQ	Increase	2,038	1,665
	Decrease	(2,038)	(1,665)

#### iii) Interest rate risk

Interest rate risk is defined as the risk that the interest income or expenses arising from deposits and borrowings will fluctuate because of changes in future market interest rate. The interest rate risk mainly arises through floating rate deposits and borrowings. The objective of interest rate risk management lies in maximizing corporate value by minimizing uncertainty caused by fluctuations in interest rates and minimizing net interest expense.

The Group is exposed to interest rate risk due to its borrowings in fixed and floating interest rates. Borrowings issued at variable rates expose the Group to cash flow interest rate risk which is partially offset by cash held at variable rates. The Group's policy is to review on interest rate fluctuation periodically so that they can manage whether to repay or renew the borrowings.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

The impact of 100 basis points higher/lower of interest rate with all other variables held constant on the Group's pre-tax profit for the years as at December 31, 2017 and 2016, is as follows:

<i>(in millions of Korean won)</i>	<b>Impact on post-tax profit</b>	
	<b>2017</b>	<b>2016</b>
Increase	₩ (28,717)	₩ (30,147)
Decrease	28,717	30,147

#### *(b) Credit Risk*

Credit risk is managed on a group basis. Credit risk arises from cash and cash equivalents, financial assets and outstanding receivables, etc. If customers are independently rated, these ratings are used. If there is no independent rating, the credit quality of the customer is evaluated taking into account its financial position, past experience and other factors. The utilization of credit limits is regularly monitored. See Note 10 for further disclosure on credit risk.

The maximum exposure to credit risk as at December 31, 2017 and 2016, is as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Cash and cash equivalents <sup>1</sup>	₩ 494,621	₩ 427,398
Trade and other receivables	2,013,676	1,736,072
Due from customers for contract work	140,355	116,982
Other financial assets	82,976	50,326
Long-term trade and other receivables	313,040	305,046
Other financial business assets	2,240,413	2,091,145
Other non-current financial assets	580,452	552,834

<sup>1</sup> The difference between 'cash and cash equivalents' presented in the consolidated statements of financial position is cash on hand held by the Group.

Except for the above, the maximum exposure to credit risk related to guarantee provided by the Group is equal to the maximum guarantee amount (Note 38).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### (c) Liquidity Risk

The Group monitors rolling forecasts of the Group's liquidity requirements to ensure it has sufficient cash to meet operational needs while maintaining sufficient headroom on its committed borrowing facilities at all times so that the Group does not breach borrowing limits or covenants (where applicable) on any of its borrowing facilities. Such forecasting takes into consideration the Group's short-term and long-term debt financing plans, covenant compliance and compliance with internal financial ratio targets.

Details of the Group's liquidity risk analysis as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>Less than 1 year</b>	<b>Between 1 and 5 years</b>	<b>Over 5 years</b>	<b>Total</b>
<b>2017</b>					
Trade and other payables	₩	2,071,812	₩ 407,220	₩ 14,062	₩ 2,493,094
Borrowings(including interest expense)		5,064,704	2,475,929	19,972	7,559,696
Derivative liabilities <sup>1</sup>		4,681	-	-	4,681
	₩	<u>7,141,197</u>	<u>₩ 2,882,240</u>	<u>₩ 34,034</u>	<u>₩ 10,057,471</u>
<b>2016</b>					
Trade and other payables	₩	1,788,737	₩ 373,963	₩ 25,286	₩ 2,187,986
Borrowings(including interest expense)		4,535,176	2,819,783	18,845	7,373,804
Derivative liabilities <sup>1</sup>		36,730	-	-	36,730
	₩	<u>6,360,643</u>	<u>₩ 3,193,746</u>	<u>₩ 44,131</u>	<u>₩ 9,598,520</u>

<sup>1</sup> Trading portfolio derivative instruments have been included at their fair value of ₩ 4,681 million (2016: ₩ 36,730 million) within the less than 1 year time bucket. This is because the contractual maturities are not essential for an understanding of the timing of the cash flows. These contracts are managed on a net fair value basis rather than by maturity date.

Except for the above, the Group has provided into payment guarantee agreements and capital supplement agreements. Therefore, an additional payment obligation may arise within one year if the guarantor fails to fulfill the obligation (Note 38).

Certain amount of borrowings and PF guarantees could be adjusted for interest rates, maturities, etc. immediately when the Group's credit rating is decreased below a certain level or if it does not meet certain financial ratios. The Group determined that the possibility of the events is not high.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 4.2 Capital Risk Management

The Group's objectives when managing capital are to safeguard the Group's ability to continue as a going concern in order to provide returns for shareholders and benefits for other stakeholders and to maintain an optimal capital structure to reduce the cost of capital.

In order to maintain or adjust the capital structure, the Group may adjust the amount of dividends paid to shareholders, return capital to shareholders, issue new shares or sell assets to reduce debt.

The Group monitors capital on the basis of the gearing ratio. This ratio is calculated as net debt divided by total capital. Net debt is calculated as total borrowings (including 'short and long-term borrowings' as shown in the consolidated statement of financial position) less cash and cash equivalents. Total capital is calculated as 'equity' as shown in the consolidated statement of financial position plus net debt.

The gearing ratio as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Total borrowings	₩	7,262,086	₩	7,042,595
Less: cash and cash equivalents		(501,133)		(431,707)
Net debt (A)		6,760,953		6,610,888
Total equity (B)		3,863,282		3,841,216
Total capital (A+B=C)	₩	10,624,235	₩	10,452,104
Gearing ratio (A/C)		63.64%		63.25%

#### 4.3 Fair Value

##### 4.3.1 Fair Value of Financial Instruments by Category

The carrying amount of financial instruments approximates to their fair value except for available-for-sale financial assets that are measured at cost as they do not have a quoted market price in an active market and their fair value cannot be measured reliably.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 4.3.2 Financial Instruments Measured at Cost

Details of financial instruments measured at cost as at December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

			2017		2016
Available-for-sale financial assets (unlisted)	Oksan Ochang Highway Corporation	₩	14,970	₩	14,970
	Kumho & Company Incorporation		10,000		10,000
	TransLink Capital Partners 1, L.P.		1,364		1,364
	Doosan Capital Inc.		-		537
	The Korea Economic Daily		1,354		1,354
	Others		6,764		2,559
Available-for-sale financial assets (investment in capital)	Hyosung Creative Economy Fund		10,000		10,000
	Construction Guarantee Cooperative		4,552		3,498
	Machinery Financial Cooperative		4,614		4,410
	Korea Software Financial Cooperative		700		700
	Korea Specialty Contractor Financial Cooperative		277		277
	Korea Electrical Manufacturers' Cooperative		156		156
	Others		9,218		1,715
Government Bonds			1,110		689
		₩	65,079	₩	52,229

The above equity instruments are measured at cost because they do not have quoted prices in an active market and their fair value cannot be measured reliably. The Group has no intention to dispose of the aforementioned equities in the near future. These equities will be measured at fair value when the Group can develop a reliable estimate of the fair value.

#### 4.3.3 Fair Value Hierarchy

Assets measured at fair value or for which the fair value is disclosed are categorized within the fair value hierarchy, and the defined levels are as follows:

- Quoted prices (unadjusted) in active markets for identical assets or liabilities (Level 1).
- Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (that is, prices) or indirectly (that is, derived from prices) (Level 2).
- Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs) (Level 3).



**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Fair value hierarchy classifications of the financial assets and financial liabilities that are measured at fair value or its fair value is disclosed as at December 31, 2017 and 2016, are as follows:

		2017							
(in millions of Korean won)		Level 1		Level 2		Level 3		Total	
Assets									
Available-for-sale financial assets		₩	187,417	₩	-	₩	225,102	₩	412,519
Derivative assets			-		19,684		3,731		23,415
Other financial assets			-		30,080		1,000		31,080
		₩	187,417	₩	49,764	₩	229,833	₩	467,014
Liabilities									
Derivative liabilities		₩	-	₩	4,681	₩	-	₩	4,681
		₩	-	₩	4,681	₩	-	₩	4,681
		2016							
(in millions of Korean won)		Level 1		Level 2		Level 3		Total	
Assets									
Available-for-sale financial assets		₩	238,772	₩	-	₩	179,602	₩	418,374
Derivative assets			80		5,176		875		6,131
Other financial assets			-		155		1,170		1,325
		₩	238,852	₩	5,331	₩	181,647	₩	425,830
Liabilities									
Derivative liabilities		₩	-	₩	36,730	₩	-	₩	36,730
		₩	-	₩	36,730	₩	-	₩	36,730

**4.3.4 Details of changes in Level 3 of the fair value hierarchy for the recurring fair value measurements are as follows:**

<i>(in millions of Korean won)</i>	<b>Available-for-sale financial assets</b>		<b>Derivative assets</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
Beginning balance	₩ 179,602	₩ 143,587	₩ 875	₩ 875
Purchases (disposal)	60,992	55,865	(875)	-
Amount recognized in other comprehensive income	(10,777)	1,759	-	-
Others	(4,715)	(21,609)	3,731	-
Ending balance	₩ 225,102	₩ 179,602	₩ 3,731	₩ 875

There were no transfers between fair value hierarchy levels of recurring fair value measurements for the years ended December 31, 2017 and 2016.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**4.3.5 Valuation Technique and the Inputs**

Valuation techniques and inputs used in levels 2 and 3 fair value measurements are as follows:

*(in millions of  
Korean won)*

		2017					
	Fair value	Level	Valuation techniques		Inputs	Level 3 range of inputs (weighted average)	
Other financial assets	₩ 31,080	2, 3	DCF method and others		Discount rate, Exchange rate and others	NA	
Available-for-sale financial assets	225,102	3	DCF method, Comparable company analysis		Discount rate	5.90%~17.88%	
			Risk-adjusted discount rate model		Growth rate	1%	
Derivatives							
Derivative asset	19,684	2	Market approach		Discount rate, Exchange rate and others	NA	
	3,731	3	Binominal model and others		Underlying asset Volatility and others	NA	
Derivative liabilities	4,681	2	Market approach		Exchange rate and others	NA	

**4.3.6 Valuation Processes for Fair Value Measurements Categorized Within Level 3**

The Group measures recurring, non-recurring fair value measurements and disclosed fair values categorized within Level 3 of the fair value hierarchy at the end of every reporting period. The Group discusses valuation processes and results with the chief financial officer (CFO).

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

**4.3.7 Sensitivity analysis for Recurring Fair Value Measurements Categorized as Level 3**

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the most favorable or most unfavorable amounts are presented.

The results of the sensitivity analysis for the effect on profit or loss from changes in inputs for each financial instrument that categorized as level 3 and subject to sensitivity analysis, are as follows:

*(in millions of Korean won)*

	<b>2017</b>			
	<b>Profit or loss</b>		<b>Other comprehensive income of loss</b>	
	<b>Favorable changes</b>	<b>Unfavorable changes</b>	<b>Favorable changes</b>	<b>Unfavorable changes</b>
Other financial assets(include derivative financial instruments)	₩ 4	₩ (2)	₩ -	₩ -
Available-for-sale financial assets	-	-	18,862	(10,643)
	<u>₩ 4</u>	<u>₩ (2)</u>	<u>₩ 18,862</u>	<u>₩ (10,643)</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 5. Operating Segment Information

##### (a) Operating segment information

The management which makes strategic decisions has determined the operating segments. The management makes strategic decisions on allocation of resources to segments and assesses the performance of operating segments based on the operating profit. Product separation units in terms of type of goods were separated as fabric, industrial materials, chemicals, heavy industrial, construction, trading and others.

The Group's operating segment information for the years ended and as at December 31, 2017 and 2016, is as follows:

(in millions of Korean won)	2017								Total
	Fabric	Industrial materials	Chemical	Heavy industrial	Construction	Trading	Others	Consolidation adjustment	
Total revenue	₩ 2,148,953	₩ 2,411,355	₩ 1,660,579	₩ 2,252,072	₩ 1,158,359	₩ 2,533,444	₩ 823,277	₩ -	₩ 12,988,039
Inter-segment revenue	(11,535)	(1,092)	(159,561)	(3,402)	(5,389)	(253,046)	(7,604)	-	(441,629)
	2,137,418	2,410,263	1,501,018	2,248,670	1,152,970	2,280,398	815,673	-	12,546,410
Operating income(loss)	249,797	167,602	130,645	66,049	106,760	15,468	48,082	(13,596)	770,807
Depreciation and amortization	191,500	156,772	175,439	45,141	6,482	7,153	68,578	13,483	664,548
Assets									
Current assets	1,298,995	1,264,168	393,964	1,303,024	206,957	249,382	551,997	(637,506)	4,630,981
Non-current assets	1,031,868	1,882,661	1,368,126	966,290	327,272	181,525	5,964,875	(1,816,620)	9,903,997
Investments in associates	-	14,328	14,230	14,361	-	-	74,319	-	117,238
Acquisition of non-current assets	316,990	176,019	132,212	24,211	18,025	3,887	275,687	1,010	948,041
Liabilities									
Current liabilities	884,460	1,003,979	384,296	983,081	331,564	528,603	4,061,873	(576,677)	7,601,179
Non-current liabilities	156,931	164,629	97,249	173,305	243,448	23,538	2,223,183	(11,765)	3,070,518

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)	2016								Total
	Fabric	Industrial materials	Chemical	Heavy industrial	Construction	Trading	Others	Consolidation adjustment	
Total revenue	₩ 1,980,757	₩ 2,383,859	₩ 1,320,572	₩ 2,580,477	₩ 900,490	₩ 2,290,517	₩ 886,733	₩ -	₩ 12,343,405
Inter-segment revenue	(1,653)	-	(126,320)	(23,033)	(8,245)	(251,772)	(3,269)	-	(414,292)
	1,979,104	2,383,859	1,194,252	2,557,444	892,245	2,038,745	883,464	-	11,929,113
Operating income(loss)	313,002	218,484	148,276	185,365	81,729	8,945	72,780	(12,234)	1,016,347
Depreciation and amortization	147,506	199,220	144,908	47,157	5,557	5,604	69,928	3,483	623,363
Assets									
Current assets	990,909	1,169,622	303,805	1,180,435	310,297	295,809	512,179	(714,609)	4,048,447
Non-current assets	1,151,498	2,009,720	1,446,222	1,132,734	732,416	94,114	5,398,861	(1,893,210)	10,072,355
Investments in associates	-	15,311	14,969	12,333	-	-	72,760	-	115,373
Acquisition of non-current assets	391,366	224,621	279,058	67,146	89,596	7,542	74,374	(132,243)	1,001,460
Liabilities									
Current liabilities	912,549	891,676	296,493	986,765	324,195	295,936	3,710,688	(535,225)	6,883,077
Non-current liabilities	111,529	259,636	51,717	154,350	480,548	11,537	2,474,058	(146,867)	3,396,508

#### (b) Geographical segment information

Geographical segment information of revenue and other for the years ended December 31, 2017 and 2016, is as follows:

(in millions of Korean won)	2017					
	Domestic	North and Central America	Asia	Europe	Others	Total
Revenue	₩ 8,545,330	₩ 888,928	₩ 2,108,702	₩ 885,861	₩ 117,589	₩ 12,546,410
Non-current assets <sup>1</sup>	₩ 4,393,550	₩ 66,996	₩ 1,714,982	₩ 321,669	₩ 34,326	₩ 6,531,523

  

(in millions of Korean won)	2016					
	Domestic	North and Central America	Asia	Europe	Others	Total
Revenue	₩ 8,898,526	₩ 664,154	₩ 1,440,320	₩ 821,290	₩ 104,823	₩ 11,929,113
Non-current assets <sup>1</sup>	₩ 4,760,083	₩ 53,520	₩ 1,699,648	₩ 333,435	₩ 47,229	₩ 6,893,915

<sup>1</sup> Sum of property, plant and equipment, intangible assets, and investment properties.

There is no external customer, who contribute more than 10% of the Group's revenue for the years ended December 31, 2017 and 2016.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 6. Transfers of Financial Assets

Trade receivables have been discounted through factoring agreements with banks for the years ended December 31, 2017 and 2016. In case of the customer's default, the Group has an obligation to pay the related amounts to the bank. As a result, this transaction, which is treated as a transaction with recourse, has been accounted for as a collateralized borrowing (Notes 10, 20 and 38).

Details of transferred financial assets that are not derecognized in their entirety as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	2017	2016
<b>Loan and receivables</b>		
Carrying amount of assets	₩ 672,846	₩ 658,902
Carrying amount of associated liabilities	(690,626)	(658,902)
Net position	₩ (17,780)	₩ -

#### 7. Financial Instruments by Category

Categorizations of financial instruments as at December 31, 2017 are as follows:

<i>(in millions of Korean won)</i>		2017			
		Loans and receivables	Available-for-sale financial assets	Financial assets at fair value through profit or loss	Total
<b>Assets</b>					
Cash and cash equivalents	₩	501,133	₩ -	₩ -	₩ 501,133
Trade and other receivables		2,013,676	-	-	2,013,676
Due from customers for contract work		140,355	-	-	140,355
Other financial assets		64,671	-	18,305	82,976
Long-term trade and other receivables		313,040	-	-	313,040
Other financial business assets		2,240,413	-	-	2,240,413
Other non-current financial assets		97,743	477,598	5,111	580,452
	₩	5,371,031	₩ 477,598	₩ 23,416	₩ 5,872,045

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)

	2017			
	Financial liabilities at amortized cost	Other financial liabilities <sup>1</sup>	Financial liabilities at fair value through profit or loss	Total
<b>Liabilities</b>				
Trade and other payables	₩ 2,071,568	₩ 2,224	₩ -	₩ 2,073,792
Borrowings	4,226,371	690,626	-	4,916,997
Other financial liabilities	-	-	4,088	4,088
Long-term trade and other payables	400,492	-	-	400,492
Long-term borrowings	2,345,089	-	-	2,345,089
Other non-current financial liabilities	-	-	593	593
	₩ 9,043,520	₩ 692,850	₩ 4,681	₩ 9,741,051

<sup>1</sup> Other financial liabilities include financial liabilities that are not subject to the categorizations such as financial liabilities related to transfer transactions not qualified for derecognition, financial payment guarantees and others.

Categorizations of financial instruments as at December 31, 2016 are as follows:

(in millions of Korean won)

	2016			
	Loans and receivables	Available-for- sale financial assets	Financial assets at fair value through profit or loss	Total
<b>Assets</b>				
Cash and cash equivalents	₩ 431,707	₩ -	₩ -	₩ 431,707
Trade and other receivables	1,736,072	-	-	1,736,072
Due from customers for contract work	116,982	-	-	116,982
Other financial assets	45,586	-	4,740	50,326
Long-term trade and other receivables	305,046	-	-	305,046
Other non-current financial business assets	2,049,066	-	-	2,049,066
Other non-current financial assets	80,840	470,603	1,391	552,834
	₩ 4,765,299	₩ 470,603	₩ 6,131	₩ 5,242,033

(in millions of Korean won)

	2016			
	Financial liabilities at amortized cost	Other financial liabilities <sup>1</sup>	Financial liabilities at fair value through profit or loss	Total
<b>Liabilities</b>				
Trade and other payables	₩ 1,786,516	₩ -	₩ -	₩ 1,786,516
Borrowings	3,721,523	658,902	-	4,380,425
Other financial liabilities	-	-	29,504	29,504
Long-term trade and other payables	376,166	-	-	376,166
Long-term borrowings	2,662,171	-	-	2,662,171
Other non-current financial liabilities	-	-	7,226	7,226
	₩ 8,546,376	₩ 658,902	₩ 36,730	₩ 9,242,008

<sup>1</sup> Other financial liabilities include financial liabilities that are not subject to the categorizations such as financial liabilities related to transfer transactions not qualified for derecognition, financial payment guarantees and others.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

Net gains or net losses on each category of financial instruments for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Loans and receivables		
Gain (loss) on disposal (profit or loss) W	(1,758)	W (2,025)
Interest income	4,535	7,306
Gain on foreign currency translation	(68,647)	16,386
Bad debts expense	(120,912)	(53,441)
Reversal of allowance for bad debt	941	129
Available-for-sale financial assets		
Gain on valuation (other comprehensive income(loss))	(38,534)	16,696
Gain on disposal (profit or loss) <sup>1</sup>	795	13,814
Impairment loss (profit or loss)	(17,052)	(1,492)
Interest income	22	5
Dividend income	422	188
Financial liabilities at amortized cost		
Interest expenses	(167,022)	(161,264)
Gain (loss) on foreign currency translation	132,914	(102,527)
Other financial liabilities <sup>2</sup>		
Interest expenses	(8,359)	(9,022)
Gain (loss) on foreign currency translation	-	8,156
Derivative assets and liabilities		
Loss on valuation (profit or loss)	24,357	(19,324)
Gain (loss) on transactions (profit or loss)	32,026	19,526

<sup>1</sup> The amount reclassified from other comprehensive income to profit or loss.

<sup>2</sup> Other financial liabilities include financial liabilities that are not subject to the categorizations such as financial liabilities related to transfer transactions not qualified for derecognition, financial payment guarantees and others.



**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**8. Cash and Cash Equivalents**

Cash and cash equivalents in the consolidated statements of financial position as at December 31, 2017 and 2016, are identical to the cash and cash equivalents in the consolidated statements of cash flows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Cash on hand	₩	6,512	₩	4,309
Bank deposits		494,621		427,398
	₩	<u>501,133</u>	₩	<u>431,707</u>

**9. Restricted Financial Instruments**

Restricted financial instruments as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>Description</b>	<b>2017</b>		<b>2016</b>	
Cash and cash equivalents	Pledge for borrowings	₩	3,766	₩	1,278
	Others		9,172		12,883
Other non-current financial assets	Restricted for current deposits and lease deposits received		8,051		1,655
	Pledge for borrowings		4,401		2,369
		₩	<u>25,390</u>	₩	<u>18,185</u>

**10. Trade and Other Receivables**

Details of trade and other receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>2017</b>		
		<b>Receivable amounts</b>	<b>Provisions for impairment</b>	<b>Net book value</b>
Trade receivables	₩	1,839,840	₩ (72,485)	₩ 1,767,355
Other receivables		249,641	(3,320)	246,321
Long-term trade receivables		25,480	(10,727)	14,753
Long-term other receivables		417,035	(118,748)	298,287
	₩	<u>2,531,996</u>	₩ <u>(205,280)</u>	₩ <u>2,326,716</u>

  

<i>(in millions of Korean won)</i>		<b>2016</b>		
		<b>Receivable amounts</b>	<b>Provisions for impairment</b>	<b>Net book value</b>
Trade receivables	₩	1,593,080	₩ (49,142)	₩ 1,543,938
Other receivables		195,436	(3,303)	192,133
Long-term trade receivables		24,484	(10,725)	13,759
Long-term other receivables		352,804	(61,517)	291,287
	₩	<u>2,165,804</u>	₩ <u>(124,687)</u>	₩ <u>2,041,117</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

The Group sells trade receivables at a discount to the financial institutions for the years ended December 31, 2017 and 2016. The amount of transferred financial assets that are not derecognized in their entirety as at December 31, 2017 is ₩ 672,846million (2016: ₩ 658,902 million). The Group may retain an obligation to compensate a financial institution for debtors' failure to make payment when they become due, an obligation known as a 'recourse obligation'. Recourse obligations related to the sales of receivables with recourse are accounted for as collateralized borrowings (Notes 6, 20 and 38)

Details of other receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		2017	2016
Other receivables			
Non-trade receivables	₩	189,690	₩ 165,003
Short-term loans		11,624	4,209
Accrued income		10,368	9,552
Deposits provided		34,639	13,369
		<u>246,321</u>	<u>192,133</u>
Long-term other receivables			
Long-term non-trade receivables		2,294	2
Long-term loans(Note 38)		112,250	63,254
Deposits provided		183,743	228,031
		<u>298,287</u>	<u>291,287</u>
	₩	<u>544,608</u>	₩ <u>483,420</u>

The fair value of long-term trade and other receivables is calculated by discounting nominal value of expected future cash inflow at discount rate which reflects credit risk.

	2017	2016
Discount rate	1.60%~7.10%	1.80% ~ 5.00%

The aging analysis of trade and other receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		2017					
Receivables not past due		Past due but not impaired				Impaired	Total
		Up to 3 months	4 to 6 months	7 to 12 months	Over 12 months		
Trade receivables	₩ 1,368,446	₩ 245,126	₩ 54,788	₩ 47,954	₩ 75,331	₩ 48,195	₩ 1,839,840
Other receivables	236,788	1,841	1,080	2,368	3,448	4,116	249,641
Long-term trade receivables	4,274	-	-	-	-	21,446	25,720
Long-term other receivables	213,253	382	-	-	14	204,929	418,578
	<u>₩ 1,822,761</u>	<u>₩ 247,349</u>	<u>₩ 55,868</u>	<u>₩ 50,322</u>	<u>₩ 78,793</u>	<u>₩ 278,686</u>	<u>₩ 2,533,779</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)

		2016					
	Receivables not past due	Past due but not impaired				Impaired	Total
		Up to 3 months	4 to 6 months	7 to 12 months	Over 12 months		
Trade receivables	₩ 927,927	₩ 312,206	₩ 54,506	₩ 38,387	₩ 209,430	₩ 50,624	₩ 1,593,080
Other receivables	164,324	1,241	790	2,538	7,711	18,832	195,436
Long-term trade receivables	3,297	-	-	-	-	21,446	24,743
Long-term other receivables	277,039	-	-	90	10	78,116	355,255
	<u>₩ 1,372,587</u>	<u>₩ 313,447</u>	<u>₩ 55,296</u>	<u>₩ 41,015</u>	<u>₩ 217,151</u>	<u>₩ 169,018</u>	<u>₩ 2,168,514</u>

The above amounts do not reflect the present value discount and provision for impairment.

The individually impaired receivables are mainly related to the customers under unexpected economic difficulties, and part of trade receivables are expected to be collected. Other receivables, for which impairment loss were not recognized under the individual review, are collectively reviewed for impairment.

Changes in provision for impairment of trade and other receivables for the years ended December 31, 2017 and 2016, are as follows:

		2017					
(in millions of Korean won)		Beginning	Provision for impairment	Reversal	Changes in scope of consolidation		Ending
					Others		
Trade and long-term trade receivables		₩ 59,867	₩ 38,551	₩ -	₩ 17	₩ (15,223)	₩ 83,212
Other receivables and long-term other receivables		64,820	82,360	(941)	(596)	(23,575)	122,068
		<u>₩ 124,687</u>	<u>₩ 120,911</u>	<u>₩ (941)</u>	<u>₩ (579)</u>	<u>₩ (38,798)</u>	<u>₩ 205,280</u>

  

		2016					
(in millions of Korean won)		Beginning	Provision for impairment	Reversal	Changes in scope of consolidation		Ending
					Others		
Trade and long-term trade receivables		₩ 40,757	₩ 38,696	₩ -	₩ -	₩ (19,586)	₩ 59,867
Other receivables and long-term other receivables		50,749	14,745	(129)	-	(545)	64,820
		<u>₩ 91,506</u>	<u>₩ 53,441</u>	<u>₩ (129)</u>	<u>₩ -</u>	<u>₩ (20,131)</u>	<u>₩ 124,687</u>

The maximum exposure of trade and other receivables to credit risk at the end of the reporting period is the carrying value of each type of receivable mentioned above.

The creation and release of provision for impaired trade receivables and other receivables have been included in 'selling and administrative expenses' (Note 32) and 'other income and other expenses' (Note 33) in the statements of profit or loss, respectively. Amounts charged to the allowance account are generally written off, when there is no expectation of recovering additional cash.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**11. Other Financial Assets and Liabilities**

Other financial assets and liabilities as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Other financial assets</b>		
Loans and receivables	₩ 162,415	₩ 126,427
Available-for-sale financial assets	477,598	470,603
Derivative assets	23,415	6,131
	<u>663,428</u>	<u>603,161</u>
Less: Current portion	(82,976)	(50,326)
	<u>₩ 580,452</u>	<u>₩ 552,835</u>
<b>Other financial liabilities</b>		
Derivative liabilities	₩ 4,681	₩ 36,730
Less: Current portion	(4,088)	(29,504)
	<u>₩ 593</u>	<u>₩ 7,226</u>

Details of loans and receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Short-term financial instruments	₩ 64,672	₩ 45,587
Long-term financial instruments	97,743	80,840
	<u>₩ 162,415</u>	<u>₩ 126,427</u>

Available-for-sale financial assets as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Equity securities</b>		
Listed	₩ 187,417	₩ 238,772
Unlisted	38,228	37,750
Equity investment	214,471	170,826
Beneficiary certificates	36,372	22,566
<b>Debt securities</b>		
Government bond	1,110	689
	<u>477,598</u>	<u>470,603</u>
Less: Current portion	-	-
	<u>₩ 477,598</u>	<u>₩ 470,603</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Equity securities in which the Group has more than 20% of voting rights but are not significantly influenced by the Group as at December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

		2017			2016	
	Investee	Percentage of ownership (%)	Acquisition cost	Book value	Book value	
Listed stock	Chin Hung International Inc. <sup>1</sup>	48.17	₩ 181,893	₩ 135,141	₩	155,320
Unlisted stock	OKSAN OCHANG Highway Corporation <sup>2</sup>	30.00	14,970	14,970		14,970
			₩ 196,863	₩ 150,111	₩	170,290

<sup>1</sup> The shares have been provided as collateral to the Committee of Creditor Banks of Chin Hung International Inc. in accordance with the special agreement for plans for normalization of the business of Chin Hung International Inc. (Note 38). Also, although the Group holds more than 20% of total interest, the Group does not have significant influence over Chin Hung International Inc. in accordance with the special agreement for plans for normalization of the business of Chin Hung International Inc. Therefore, the shares are classified as available-for-sale financial assets.

<sup>2</sup> Although the Group owns 30% ownership in Oksan Ochang Highway Corporation, considered that the Group does not have significant influence over the entity since the decision for financial and operating policy is under the government's control. Therefore, the investment was classified as available-for-sale financial assets.

Changes in available-for-sale financial assets for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

	2017	2016
Beginning balance	₩ 470,603	₩ 462,942
Acquisition	146,025	76,842
Disposals	(75,130)	(62,134)
Impairment loss of available-for-sale financial assets	(17,053)	(1,492)
Net gains (losses) transfer to equity	(38,534)	16,696
Net gains (losses) transfer from equity	(8,305)	-
Others	(8)	(22,251)
Ending balance	₩ 477,598	₩ 470,603
Short-term available-for-sale financial assets	₩ -	₩ -
Long-term available-for-sale financial assets	477,598	470,603

Changes in unrealized gain or loss on valuation of available-for-sale financial assets according to valuation of their fair values for the years ended from December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

	2017	2016
Beginning balance	₩ 38,353	₩ 23,951
Gain(loss) on valuation	(46,839)	16,696
Tax effects and Non-controlling Interests	12,900	(2,294)
Ending balance	₩ 4,414	₩ 38,353

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Details of derivatives assets and liabilities as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
	<b>Assets</b>	<b>Liabilities</b>	<b>Assets</b>	<b>Liabilities</b>
Current				
Forward exchange contracts	₩ 18,246	₩ 4,088	₩ 3,707	₩ 23,140
Currency swaps	59	-	890	6,364
Other	-	-	143	-
	<u>18,305</u>	<u>4,088</u>	<u>4,740</u>	<u>29,504</u>
Non-current				
Forward exchange contracts	1,272	-	466	6,466
Currency swaps	-	584	-	-
Other	3,838	9	925	760
	<u>5,110</u>	<u>593</u>	<u>1,391</u>	<u>7,226</u>
	<u>₩ 23,415</u>	<u>₩ 4,681</u>	<u>₩ 6,131</u>	<u>₩ 36,730</u>

**12. Other Financial Business Assets**

Details of other financial business assets as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Loans and receivables	₩ 2,207,668	₩ 2,049,066
Operating lease assets	32,745	42,079
	<u>₩ 2,240,413</u>	<u>₩ 2,091,145</u>

Details of loans and receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Loans and receivables	₩ 2,252,472	₩ 2,105,416
Less: Provision for impairment	(44,804)	(56,350)
	<u>₩ 2,207,668</u>	<u>₩ 2,049,066</u>

The aging analysis of loans and receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Up to 1 year	₩ 254,048	₩ 312,180
1 to 5 years	1,998,424	1,793,236
	<u>₩ 2,252,472</u>	<u>₩ 2,105,416</u>

The above amounts do not reflect the present value discount and provision for impairment.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Movements on the provision for impairment of trade receivables for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Beginning balance	₩ 56,350	₩ 33,554
Provision for impairment	50,753	45,964
Write-off	(68,354)	(20,775)
Others	6,055	(2,393)
Ending balance	<u>₩ 44,804</u>	<u>₩ 56,350</u>

The aging analysis of loans and receivables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Loans and receivables</b>		
Receivables not past due	₩ 2,060,754	₩ 1,896,792
Past due but not impaired	43,434	38,927
Impaired	145,494	166,105
Total	<u>₩ 2,249,682</u>	<u>₩ 2,101,824</u>

**13. Other Assets**

Details of other assets as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Other current assets</b>		
Advance payments	₩ 142,841	₩ 126,095
Provision for impairment	(290)	(290)
Prepaid expenses	46,490	41,358
Other	1,538	1,989
	<u>190,579</u>	<u>169,152</u>
<b>Other non-current assets</b>		
Long-term advance payments	7,225	-
Long-term prepaid expenses	23,943	28,426
Other investments	34,518	34,340
	<u>65,686</u>	<u>62,766</u>
	<u>₩ 256,265</u>	<u>₩ 231,918</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**14. Inventories**

Inventories as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		
	<b>Acquisition cost</b>	<b>Provision</b>	<b>Net book amount</b>
Merchandise	₩ 320,708	₩ (2,532)	₩ 318,176
Finished goods	614,995	(43,057)	571,938
Semi-finished goods	188,074	(8,018)	180,056
Work-in-process	91,461	(605)	90,856
Processing materials on trust	22	-	22
Raw materials	265,671	(8,257)	257,414
Sub-materials	53,350	(2,001)	51,349
Supplies	14,032	(556)	13,476
Packaging	8,778	(235)	8,543
Goods in transit	179,189	-	179,189
Cost accrued on construction contract	6,030	-	6,030
Temporary installations	65	-	65
Sites	4,920	(2,101)	2,819
	<u>₩ 1,747,295</u>	<u>₩ (67,362)</u>	<u>₩ 1,679,933</u>

  

<i>(in millions of Korean won)</i>	<b>2016</b>		
	<b>Acquisition cost</b>	<b>Provision</b>	<b>Net book amount</b>
Merchandise	₩ 351,539	₩ (6,629)	₩ 344,910
Finished goods	419,082	(20,799)	398,283
Semi-finished goods	176,821	(3,654)	173,167
Work-in-process	102,506	-	102,506
Processing materials on trust	26	-	26
Raw materials	249,951	(7,938)	242,013
Sub-materials	43,937	-	43,937
Supplies	11,421	-	11,421
Packaging	8,441	-	8,441
Goods in transit	175,799	-	175,799
Cost accrued on construction contract	6,532	-	6,532
Temporary installations	65	-	65
Sites	25,945	(8,275)	17,670
	<u>₩ 1,572,065</u>	<u>₩ (47,295)</u>	<u>₩ 1,524,770</u>

The cost of inventories recognized as expense and included in 'cost of sales' amounted to ₩ 6,960,329 million (2016: ₩ 6,054,103 million) for the year ended December 31, 2017. The Group recognized ₩ 20,067 million (2016: reversal of provision for inventories amounting to ₩ 23,952 million) of reversal of provision for inventories, and the expense has been included in 'cost of sales' in the consolidated statement of profit or loss.



**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**15. Property, Plant and Equipment**

Property, plant and equipment as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		
	<b>Acquisition cost</b>	<b>Accumulated depreciation<sup>1</sup></b>	<b>Net book amount</b>
Land	₩ 1,570,058	₩ -	₩ 1,570,058
Building	1,744,262	(484,532)	1,259,730
Structures	374,894	(107,572)	267,322
Machinery	6,522,950	(4,515,089)	2,007,861
Vehicles	48,356	(36,695)	11,661
Tool and equipment	600,403	(449,293)	151,110
Others	164,322	(61,989)	102,333
Construction in progress	282,303	-	282,303
Machinery in transit	10,798	-	10,798
	<u>₩ 11,318,346</u>	<u>₩ (5,655,170)</u>	<u>₩ 5,663,176</u>

  

<i>(in millions of Korean won)</i>	<b>2016</b>		
	<b>Acquisition cost</b>	<b>Accumulated depreciation<sup>1</sup></b>	<b>Net book amount</b>
Land	₩ 1,562,977	₩ -	₩ 1,562,977
Building	1,546,771	(452,205)	1,094,566
Structures	357,496	(99,673)	257,823
Machinery	6,303,220	(4,160,054)	2,143,166
Vehicles	50,089	(36,860)	13,229
Tool and equipment	538,413	(406,280)	132,133
Others	174,302	(39,455)	134,847
Construction in progress	487,344	-	487,344
Machinery in transit	18,937	-	18,937
	<u>₩ 11,039,549</u>	<u>₩ (5,194,527)</u>	<u>₩ 5,845,022</u>

<sup>1</sup> Accumulated impairment losses are included

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Changes in property, plant and equipment for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)	2017									Total
	Land	Building	Structure	Machinery	Vehicle	Tool and equipment	Others	Construction in progress	Machinery in transit	
Beginning balance	₩1,562,977	₩ 1,094,566	₩ 257,823	₩ 2,143,166	₩ 13,229	₩ 132,133	₩ 134,847	₩ 487,344	₩ 18,937	₩ 5,845,022
Acquisition	7,572	4,785	1,964	43,786	2,250	44,463	3,799	535,019	85,516	729,154
Disposal	(1,211)	(469)	(389)	(577)	(625)	(3,543)	(2,179)	(8,997)	-	(17,970)
Depreciation and others <sup>1</sup>	-	(51,975)	(10,457)	(467,507)	(4,596)	(49,964)	(6,009)	-	-	(590,508)
Impairment loss <sup>2</sup>	-	-	(178)	(80,415)	-	(1,824)	(23,338)	(827)	-	(106,582)
Transfers <sup>3</sup>	5,673	255,563	22,601	469,203	2,124	31,943	(372)	(717,635)	(92,560)	(23,460)
Government grants received	-	(1,707)	-	(1,585)	-	(113)	-	-	-	(3,405)
Others (changes in exchange rate)	(1,435)	(40,800)	(3,879)	(97,143)	(648)	(1,997)	(2,326)	(12,601)	(1,095)	(161,924)
Changes in scope of consolidation	(3,518)	(233)	(163)	(1,087)	(73)	12	(2,089)	-	-	(7,151)
Ending balance	₩1,570,058	₩1,259,730	₩ 267,322	₩2,007,861	₩11,661	₩ 151,110	₩ 102,333	₩ 282,303	₩ 10,798	₩ 5,663,176

<sup>1</sup> Depreciation and others include ₩ 796 million of shrinkage loss from others and ₩ 947 million of supplies expenses.

<sup>2</sup> Due to the accumulated operating loss, the Group has performed impairment test in order to review the recoverable amount of the cash-generating unit. As a result, the carrying amount of property, plant and equipment exceeded the recoverable amounts and recognized an impairment loss of POK business for ₩ 27,593 million, optical film segment for ₩ 8,695 million, carbon material business for ₩ 36,125 million, Wellington business for ₩ 23,338 million and Tire cords - Eongyang factory for ₩ 10,847 million. The impairment loss is presented as other expenses in the consolidated statement of profit or loss. The amount includes impairment loss of intangible assets of ₩ 72 million and presented in other expenses in the consolidated statement of profit or loss. The recoverable amount of the cash-generating unit is determined based on the fair value less costs of disposal or value in use. The estimate of the fair value less costs of disposal to be received for the disposal of an asset at the end of period is the amount that an entity expects to obtain from the disposal of the asset in an arm's length transaction between knowledgeable, willing parties, after deducting the estimated costs of disposal. Value in use is determined by discounting expected future cash flows from continuing use of the assets. The value of use is calculated by discounting the estimated future cash flow at an appropriate discount rate and using an independent external valuation report.

<sup>3</sup> Transfers include construction in progress, machinery in transit and investment property.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)	2016									
	Land	Building	Structure	Machinery	Vehicle	Tool and equipment	Others	Construction in progress	Machinery in transit	Total
Beginning balance	₩1,553,291	₩1,066,230	₩246,087	₩2,098,030	₩12,255	₩136,414	₩94,608	₩419,372	₩2,556	₩5,628,843
Acquisition	7,998	22,987	2,111	37,662	3,427	26,511	4,898	639,902	130,221	875,717
Disposal	(1,493)	(24,449)	(1,811)	(9,445)	(877)	(3,426)	(3,093)	(1,949)	-	(46,543)
Depreciation and others <sup>1</sup>	-	(44,488)	(9,417)	(438,446)	(4,507)	(50,575)	(10,066)	(3)	-	(557,502)
Impairment loss <sup>2</sup>	-	(11,886)	(1,423)	(25,448)	(6)	(425)	-	-	-	(39,188)
Transfers <sup>3</sup>	2,279	92,841	25,115	488,606	2,814	23,994	47,891	(573,625)	(114,040)	(4,125)
Government grants received	-	(8,010)	-	(11,278)	-	(370)	-	-	-	(19,658)
Others (changes in exchange rate)	902	3,465	982	7,669	136	215	609	3,647	200	17,825
Changes in scope of consolidation	-	(2,124)	(3,821)	(4,184)	(13)	(205)	-	-	-	(10,347)
Ending balance	₩1,562,977	₩1,094,566	₩257,823	₩2,143,166	₩13,229	₩132,133	₩134,847	₩487,344	₩18,937	₩5,845,022

<sup>1</sup> Depreciation and others include ₩1,105 million of shrinkage loss from others and ₩1,772 million of supplies expenses.

<sup>2</sup> Due to the accumulated operating loss in the optical film segment, a separate cash-generating unit in the operating segment of chemicals, the Group recognized impairment loss, amounting to ₩23,798 million, as other expenses.

<sup>3</sup> Transfers include construction in progress, machinery in transit and investment property.

Depreciation expense of ₩552,699 million (2016: ₩516,536 million) has been charged to 'cost of sales', ₩24,133 million (2016: ₩25,306 million) to 'selling and administrative expenses', and ₩11,934 million (2016: ₩12,783 million) to 'research and development expenses' for the year ended December 31, 2017.

The Group has capitalized borrowing costs amounting to ₩2,753 million (2016: ₩11,473 million) on qualifying assets for the year ended December 31, 2017. The capitalization rate of borrowings used to determine the amount of borrowing costs eligible for capitalization is 2.99~4.58 % (2016: 2.76~4.58%) for the year ended December 31, 2017.

Certain amount of property, plant and equipment are provided as collaterals to financial institutions for borrowings (Notes 20 and 38).

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

Details of minimum lease payments in relation to non-cancellable operating leases that are payable at the end of the reporting periods are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Up to 1 year	₩ 24,152	₩ 40,275
1 to 5 years	57,700	46,071
Later than 5 years	315	221
	<u>₩ 82,167</u>	<u>₩ 86,567</u>

Rental payments of ₩ 45,312 million (2016: ₩ 40,098 million) under the above operating lease are recognized in the consolidated statement of profit or loss

In connection with the development of Polyketone materials and other national research projects, the Group entered into development agreements with the participants of the agreement, including the Korea Evaluation Institute of Industrial Technology, and is conducting R & D activities.

As at December 31, 2017, the government grants related to assets is ₩ 29,957 million (2016 : ₩ 34,006 million) and government grants related to liabilities is ₩ 19,124 million (2016 : ₩ 19,739 million).

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**16. Investment Property**

Details of investment property as at December 31, 2017 and 2016, are as follows:

(in millions of Korean won)	<b>2017</b>		
	<b>Acquisition cost</b>	<b>Accumulated depreciation<sup>1</sup></b>	<b>Net book value</b>
Land	₩ 353,760	₩ (3,485)	₩ 350,275
Building	256,123	(56,182)	199,941
	<u>₩ 609,883</u>	<u>₩ (59,667)</u>	<u>₩ 550,216</u>

  

(in millions of Korean won)	<b>2016</b>		
	<b>Acquisition cost</b>	<b>Accumulated depreciation<sup>1</sup></b>	<b>Net book value</b>
Land	₩ 384,149	₩ (3,485)	₩ 380,664
Building	299,901	(51,742)	248,159
	<u>₩ 684,050</u>	<u>₩ (55,227)</u>	<u>₩ 628,823</u>

<sup>1</sup> Accumulated depreciation includes accumulated impairment loss.

Changes in investment property for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)	<b>2017</b>			<b>2016</b>		
	<b>Land</b>	<b>Building</b>	<b>Total</b>	<b>Land</b>	<b>Building</b>	<b>Total</b>
Beginning balance	₩ 380,664	₩ 248,159	₩ 628,823	₩ 366,571	₩ 253,433	₩ 620,004
Acquisition	-	780	780	3,366	960	4,326
Disposal	(33,429)	(32,160)	(65,589)	(4,208)	(2,408)	(6,616)
Depreciation	-	(20,072)	(20,072)	-	(5,106)	(5,106)
Transfer	3,040	3,234	6,274	14,935	1,280	16,215
Ending balance	<u>₩ 350,275</u>	<u>₩ 199,941</u>	<u>₩ 550,216</u>	<u>₩ 380,664</u>	<u>₩ 248,159</u>	<u>₩ 628,823</u>

During 2017, rental income from investment property is ₩ 40,238 million (2016: ₩ 38,192 million), and operating expenses (including depreciation) arising from investment property that generated rental income for the year are ₩ 41,468 million (2016: ₩ 21,937 million).

Fair value of investment properties as at December 31, 2017 is ₩ 695,271 million (2016: ₩ 777,489 million). The valuation of investment properties is based on the official land price.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 17. Intangible Assets

Changes in intangible assets for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)	2017				
	Goodwill	Industrial property	Others	Memberships	Total
Beginning balance	₩ 129,623	₩ 7,243	₩ 272,092	₩ 11,112	₩ 420,070
Acquisition	496	933	8,579	226	10,234
Transfer <sup>1</sup>	-	1,823	377	17	2,217
Disposals	-	-	(313)	(1,839)	(2,152)
Amortization	-	(1,669)	(38,334)	(38)	(40,041)
Impairment loss <sup>2</sup>	-	(72)	(54,256)	(141)	(54,469)
Others	(3,306)	-	(14,865)	1,140	(17,031)
Changes in scope of consolidation	-	-	(698)	-	(698)
Ending balance	₩ 126,813	₩ 8,258	₩ 172,582	₩ 10,477	₩ 318,130

<sup>1</sup> Transfers include transfer from or to intangible assets, etc.

<sup>2</sup> The Group recognized impairment loss on the intangible assets for ₩ 54,256 million since the cash flow of operating facility of Somesevit Corporation is determined to be decreased. The impairment loss is presented as other expenses in the consolidated statement of profit or loss.

(in millions of Korean won)	2016				
	Goodwill	Industrial property	Others	Memberships	Total
Beginning balance	₩ 130,329	₩ 7,680	₩ 297,661	₩ 16,986	₩ 452,656
Acquisition	-	1,677	30,842	768	33,287
Transfer <sup>1</sup>	-	261	4,744	(20)	4,985
Disposals	-	-	(2,497)	(5,701)	(8,198)
Amortization	-	(1,590)	(46,775)	(1)	(48,366)
Impairment loss	(1,364)	-	(12,876)	(933)	(15,173)
Others	658	(785)	1,552	13	1,438
Changes in scope of consolidation	-	-	(559)	-	(559)
Ending balance	₩ 129,623	₩ 7,243	₩ 272,092	₩ 11,112	₩ 420,070

<sup>1</sup> Transfers include transfer from or to intangible assets, etc.

Amortization of ₩ 18,753 million (2016: ₩ 20,267 million) is included in 'cost of sales', ₩ 716 million (2016: ₩ 1,236 million) in 'research and development expenses', and ₩ 20,572 million (2016: ₩ 26,863 million) is included in 'selling and administrative expenses' in the consolidated statement of profit or loss for the year ended December 31, 2017.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### Impairment tests for goodwill

Goodwill is monitored by the management at the operating segment or cash generating level. There is no changes in goodwill allocation method in 2017 and 2016. The following is a summary of goodwill allocation for each operating segment.

(in millions of Korean won)	2017					
	Beginning	Increase	Disposals	Impairment loss	Other adjustments	Ending
Fabric	₩ 6,654	₩ -	₩ -	₩ -	₩ -	₩ 6,654
Industrial Materials	44,027	-	-	-	(3,306)	40,721
Heavy industrial	-	496	-	-	-	496
Trading	2,216	-	-	-	-	2,216
Others	76,726	-	-	-	-	76,726
	<u>₩ 129,623</u>	<u>₩ 496</u>	<u>₩ -</u>	<u>₩ -</u>	<u>₩ (3,306)</u>	<u>₩ 126,813</u>

  

(in millions of Korean won)	2016					
	Beginning	Increase	Disposals	Impairment loss	Other adjustments	Ending
Fabric	₩ 6,654	₩ -	₩ -	₩ -	₩ -	₩ 6,654
Industrial Materials	44,041	-	-	(581)	567	44,027
Trading	2,216	-	-	-	-	2,216
Others	77,418	-	-	(783)	91	76,726
	<u>₩ 130,329</u>	<u>₩ -</u>	<u>₩ -</u>	<u>₩ (1,364)</u>	<u>₩ 658</u>	<u>₩ 129,623</u>

Goodwill impairment reviews are undertaken annually. As a result of Impairment test, the carrying value of other operating segments does not exceed the recoverable amounts. The recoverable amounts have been determined based on value-in-use calculations. These calculations use pre-tax cash flow projections based on financial budgets approved by management covering a five-year period. Gross rate used for the projection of five-year period and perpetual growth rate used for the period after are stated below. The growth rates do not exceed the long-term average growth rate for the business in which the CGU operates.

The key assumptions used for value-in-use calculations in 2017 are as follows:

	Industrial materials <sup>1</sup>	Others
Gross margin	21.79%	46.94%
Growth rate <sup>2</sup>	9.63%	5.71%
Perpetual growth rate <sup>3</sup>	3.00%	1.00%
Pre-tax discount rate <sup>4</sup>	12.0%~15.5%	9.60%

<sup>1</sup> It is applicable to particular cash-generating-unit in industrial materials department.

<sup>2</sup> The average revenue growth rate, which is computed based on historical growth rate, is used to forecast five years of cash flow.

<sup>3</sup> Projected growth rate over five years.

<sup>4</sup> Pre-tax discount rate applied to the cash flow projections.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 18. Investments in Associates

Details of associates of the Group as at December 31, 2017 and 2016, are as follows:

	Percentage of ownership <sup>3</sup>		Location	Date of financial statements
	2017	2016		
Shinwha intertek Co., Ltd. <sup>1</sup>	15.26	15.26	Korea	December 31
Taebaek Wind Power Co., Ltd.	35.00	35.00	Korea	December 31
Pyeongchang Wind Power Co., Ltd. <sup>4</sup>	42.00	42.00	Korea	December 31
Hyosung Information System Co., Ltd.	50.00	50.00	Korea	December 31
Hyosung Toyota Corp.	40.00	40.00	Korea	December 31
Hyosung ITX Co., Ltd.	34.99	34.99	Korea	December 31
Soonchon Eco Green Corporation <sup>2</sup>	29.50	29.50	Korea	December 31
Smilegate 2016KVF	25.15	27.76	Korea	December 31
The Kwangjuilbo	49.00	49.00	Korea	December 31
PT. Papua Agro Lestari <sup>1</sup>	15.00	15.00	Indonesia	December 31
PT. GELORA MANDIRI MEMBANGUN <sup>1</sup>	15.00	15.00	Indonesia	December 31

<sup>1</sup> Although the Group holds less than 20% of the associate's equity shares, the Group has significant influence over associate as the Group has involved in making decision and management communication.

<sup>2</sup> The equity method was discontinued due to capital impairment.

<sup>3</sup> Percentage of ownership is effective percentage of ownership that reflects the equity owned by subsidiaries.

<sup>4</sup> The Group has pledged its shares of Pyeongchang Wind Power Co., Ltd. as collateral for borrowings of Pyeongchang Wind Power Co., Ltd. (Note 38).



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Changes in investments in associates for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)	Beginning	Acquisition (Disposal)	Valuation of equity method in 2017			Ending
			Gain or loss on equity method investments	Other comprehensive income or loss	Others <sup>1</sup>	
Shinwha intertek Co., Ltd.	14,969	-	(371)	(85)	(283)	14,230
Taebaek Wind Power Co., Ltd.	6,650	-	762	-	-	7,412
Pyeongchang Wind Power Co., Ltd.	5,683	-	1,266	-	-	6,949
Hyosung Information System Co., Ltd.	46,581	-	1,969	-	(2,438)	46,112
Hyosung Toyota Corp.	-	-	553	-	16	569
Hyosung ITX Co., Ltd.	18,328	-	3,513	1,219	(1,623)	21,437
PT. Papua Agro Lestari	10,767	-	69	(917)	-	9,919
PT. GELOLA MANDIRI MEMBANGUN	4,544	-	2	(137)	-	4,409
The Kwangjuilbo	4,007	-	(430)	-	(16)	3,561
Others	3,844	(268)	(151)	-	(785)	2,640
	<u>₩ 115,373</u>	<u>₩ (268)</u>	<u>₩ 7,182</u>	<u>₩ 80</u>	<u>₩ (5,129)</u>	<u>₩ 117,238</u>

<sup>1</sup>Includes dividends, remeasurement of net defined benefit liability and others.

(in millions of Korean won)	Beginning	Acquisition (Disposal)	Valuation of equity method in 2016			Ending
			Gain or loss on equity method investments	Other comprehensive income or loss	Others <sup>1</sup>	
Shinwha intertek Co., Ltd.	₩ 14,404	₩ -	₩ 562	₩ 5	₩ (2)	₩ 14,969
Taebaek Wind Power Co., Ltd.	8,302	-	(1,652)	-	-	6,650
Pyeongchang Wind Power Co., Ltd.	5,715	-	(31)	-	(1)	5,683
Hyosung Information System Co., Ltd.	47,971	-	2,128	-	(3,518)	46,581
Hyosung ITX Co., Ltd.	17,616	-	2,637	(315)	(1,610)	18,328
Sumiden Hyosung Steel Cord (Thailand) Co., Ltd.	179	(183)	2	2	-	-
PT. Papua Agro Lestari	6,598	4,111	(107)	165	-	10,767
PT. GELOLA MANDIRI MEMBANGUN	4,407	-	79	58	-	4,544
The Kwangjuilbo	3,885	-	137	(15)	-	4,007
Others	1,864	2,774	(796)	1	1	3,844
	<u>₩ 110,941</u>	<u>₩ 6,702</u>	<u>₩ 2,959</u>	<u>₩ (99)</u>	<u>₩ (5,130)</u>	<u>₩ 115,373</u>

<sup>1</sup>Includes dividends, remeasurement of net defined benefit liability and others.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Summary of condensed financial information of major associates, details of adjustments from the book amount of investments in associates, and dividends received from associates as at and for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

(in millions of Korean won)	2017					
	Current assets		Non-current assets		Current liabilities	Non-current liabilities
Shinwha intertek Co., Ltd.	₩	71,055	₩	125,213	₩ 95,420	₩ 7,595
Taebaek Wind Power Co., Ltd.		4,745		34,330	2,511	15,385
Pyeongchang Wind Power Co., Ltd.		9,123		67,886	880	59,583
Hyosung Information System Co., Ltd.		127,795		17,708	48,511	4,768
Hyosung Toyota Corp.		10,026		7,595	10,896	5,304
Hyosung ITX Co., Ltd.		105,202		36,472	72,732	7,541
PT. Papua Agro Lestari		31,951		30,862	4,013	13,949
PT. GELORA MANDIRI MEMBANGUN		1,998		44,303	4,214	35,493
The Kwangjuilbo		4,130		18,068	10,697	4,235

(in millions of Korean won)

(in millions of Korean won)	2017									
	Revenue		Profit (loss) from continuing operations		Other comprehensive income		Total comprehensive income (loss)		Dividends received from associates	
Shinwha intertek Co., Ltd.	₩	176,569	₩	(1,879)	₩	(557)	₩	(2,436)	₩	(222)
Taebaek Wind Power Co., Ltd.		7,056		2,215		-		2,215		-
Pyeongchang Wind Power Co., Ltd.		11,907		3,038		-		3,038		-
Hyosung Information System Co., Ltd. <sup>1</sup>		197,460		5,318		-		5,318		(2,595)
Hyosung Toyota Corp		79,022		3,235		-		3,235		-
Hyosung ITX Co., Ltd. <sup>1</sup>		395,062		10,013		3,486		13,499		(874)
PT. Papua Agro Lestari		3,074		84		7		91		-
PT. GELORA MANDIRI MEMBANGUN		-		(434)		12		(422)		-
The Kwangjuilbo		8,329		(738)		-		(738)		-

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

(in millions of Korean won)

	2016			
	Current assets	Non-current assets	Current liabilities	Non-current liabilities
Shinwha intertek Co., Ltd.	₩ 75,435	₩ 131,404	₩ 98,450	₩ 10,304
Taebaek Wind Power Co., Ltd.	6,408	36,622	2,405	21,624
Hyosung Information System Co., Ltd.	179,697	19,294	101,025	4,806
Hyosung ITX Co., Ltd.	94,334	32,289	66,960	7,218
PT. Papua Agro Lestari	39,518	23,538	3,007	9,544
PT. GELORA MANDIRI MEMBANGUN	4,197	39,101	1,083	34,723
Pyeongchang Wind Power Co., Ltd.	2,707	72,621	298	61,500
The Kwangjuilbo	3,191	19,475	10,224	4,265

(in millions of Korean won)

	2016			
	Revenue	Profit (loss) from continuing operations	Other comprehensive income	Total comprehensive income (loss)
Shinwha intertek Co., Ltd.	₩ 215,890	₩ (9,629)	₩ 8,260	₩ (1,369)
Taebaek Wind Power Co., Ltd.	5,741	(4,721)	-	(4,721)
Pyeongchang Wind Power Co., Ltd.	226,817	4,256	432	4,688
Hyosung Information System Co., Ltd. <sup>1</sup>	342,188	7,537	3,832	11,369
Hyosung Toyota Corp	7,591	(712)	(1,500)	(2,212)
Hyosung ITX Co., Ltd. <sup>1</sup>	2,601	528	449	977
PT. Papua Agro Lestari	3,997	(75)	-	(75)
PT. GELORA MANDIRI MEMBANGUN	8,103	280	-	280
The Kwangjuilbo	215,890	(9,629)	8,260	(1,369)

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Details of adjustments from financial information of major associates to the book amount of investments in associates for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

(in millions of Korean won)	2017									
	Net assets (a)		Percentage of ownership (b)	Interests in net assets (axb)	Goodwill	Inter-group transactions		Others	Book amount	
Shinwha intertek Co., Ltd.	₩	93,252	15.26%	₩ 14,230	₩	-	₩	-	₩	14,230
Taebaek Wind Power Co., Ltd.		21,178	35.00%	7,412		-		-		7,412
Pyeongchang Wind Power Co., Ltd.		16,546	42.00%	6,949		-		-		6,949
Hyosung Information System Co., Ltd.		92,224	50.00%	46,112		-		-		46,112
Hyosung Toyota Corp		1,422	40.00%	569		-		-		569
Hyosung ITX Co., Ltd.		61,400	34.99%	21,484		-		(47)		21,437
PT. Papua Agro Lestari		44,851	15.00%	6,728	3,191			-		9,919
PT. GELORA MANDIRI MEMBANGUN		6,595	15.00%	989	3,420			-		4,409
The Kwangjuilbo		7,266	49.00%	3,561		-		-		3,561

(in millions of Korean won)

(in millions of Korean won)	2016									
	Net assets (a)		Percentage of ownership (b)	Interests in net assets (axb)	Goodwill	Inter-group transactions		Others	Book amount	
Shinwha intertek Co., Ltd.	₩	98,086	15.26%	₩ 14,969	₩ -	₩ -	₩ -	₩ -	₩ 14,969	
Taebaek Wind Power Co., Ltd.		19,001	35.00%	6,650	-	-	-	-	6,650	
Hyosung Information System Co., Ltd.		93,161	50.00%	46,581	-	-	-	-	46,581	
Hyosung ITX Co., Ltd.		52,445	34.99%	18,351	-	-	(23)	-	18,328	
PT. Papua Agro Lestari		50,505	15.00%	7,576	3,191	-	-	-	10,767	
PT. GELORA MANDIRI MEMBANGUN		7,492	15.00%	1,124	3,420	-	-	-	4,544	
Pyeongchang Wind Power Co., Ltd.		13,531	42.00%	5,683	-	-	-	-	5,683	
The Kwangjuilbo		8,177	49.00%	4,007	-	-	-	-	4,007	

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Fair value of marketable investments in associates as at December 31, 2017 and 2016, is as follows:

<i>(in millions of Korean won, except per market price per share)</i>	<b>2017</b>			
	<b>Number of shares</b>	<b>Market price per share (in Korean won)</b>	<b>Fair value (in millions of Korean won)</b>	<b>Book value (in millions of Korean won)</b>
Shinwha intertek Co., Ltd.	4,446,227	₩ 2,415	₩ 10,738	₩ 14,230
Hyosung ITX Co., Ltd.	4,349,000	12,600	54,797	21,437

<i>(in millions of Korean won, except per market price per share)</i>	<b>2016</b>			
	<b>Number of shares</b>	<b>Market price per share (in Korean won)</b>	<b>Fair value</b>	<b>Book value</b>
Shinwha intertek Co., Ltd.	4,446,227	₩ 3,675	₩ 16,340	₩ 14,969
Hyosung ITX Co., Ltd.	4,349,000	11,700	50,883	18,328

Accumulated unrecognized changes in equity due to discontinued use of equity method for the year ended December 31, 2017, are as follows:

<i>(In millions of Korean won)</i>	<b>2017</b>	
	<b>Unrecognized loss</b>	<b>Unrecognized accumulated losses</b>
Soonchon Eco Green Corporation	₩ (392)	₩ (392)

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 19. Related Party Transactions

Details of associates and other related parties as at December 31, 2017, are as follows:

##### Associates

Location	Name of entity
Domestic	Soonchon Eco Green Corporation, Shinwha intertek Co., Ltd., The Kwangjuilbo, Taebaek Wind Power Co., Ltd., Pyeongchang Wind Power Co., Ltd., Hyosung Information System Co., Ltd., Hyosung Toyota Corp., Hyosung ITX Co., Ltd., Smilegate2016KVF, Pathfinder Youth's Investment Foundation Association
Asia	PT. Papua Agro Lestari, PT. Gelora Mandiri Membangun(GMM)

##### Other related parties

Location	Name of entity
Domestic	Galaxia Co., Ltd., Galaxia device Co., Ltd., Galaxia Micropayment Co.,Ltd., Galaxia Electronics Co., Ltd., Gongdeok Development Corporation, The Class Hyosung Corporation, The premium Hyosung Co., Ltd., Dong Ryung Co., Ltd., Shin Dong Jin Co., Ltd., A-SEUNG AUTOMOTIVE GROUP, ITX Marketing Co., Ltd, ITX M&S Co., Ltd., Trinity Asset Managemernt, Haengbokdoodrimi Co., Ltd., Hyosung Premier Motors, ASC Co. Ltd., and others
China	Tianjin Galaxia Device Electronics. Co., Ltd., Huizhou Galaxia Device Electronics. Co. Ltd., Qingdao Galaxia Device Electronics. Co., Ltd., SHINWHA INTERTEK (SUZHOU) CO.,LTD, DONGGUAN SHINWHA INTERTEK CORP, DNS Technology Co., Ltd, Weihai newsolim Electronics Co., Ltd and others
Asia	Galaxia Japan, Shinwha Intertek Corp and others
Europe	Shinwha Intertek Slovakia S.R.O and others

##### Others<sup>1</sup>

Location	Name of entity
Domestic	Gabi Inc., Galaxia SM Inc., Galaxia Communications Co., Ltd., Shinsung Motors, Chin Hung International Inc., TAEUK CONSTRUCTION CO.,LTD., EveryShow Co., Ltd. and others
China	IB China. Ltd. and others
Asia	Galaxia Media Co., Ltd. and others
America	IB America, Inc. and others

<sup>1</sup> Although the entity is not the related party of the Group in accordance with Korean IFRS 1024, the entity belongs to the Large Enterprise Group to which the Group also belongs in accordance with the Monopoly Regulation and Fair Trade Act.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### Significant transactions with related parties

Significant transactions for the years ended December 31, 2017 and 2016, are as follows:

	2017			
	Revenue and others <sup>1</sup>	Dividends	Purchases and others <sup>1</sup>	Acquisition of fixed assets
<i>(in millions of Korean won)</i>				
<b>Associates</b>				
Shinwha intertek Co., Ltd.	₩ 13,180	₩ 222	₩ 27	₩ -
Hyosung ITX Co., Ltd.	12,004	874	6,652	777
Hyosung Information System Co., Ltd.	231	2,595	148	1,593
Others	1,323	36	946	-
	<u>26,738</u>	<u>3,727</u>	<u>7,773</u>	<u>2,370</u>
<b>Other related parties</b>				
Galaxia Device Co., Ltd.	229	-	13,687	-
Galaxia Electronics Co., Ltd.	40,501	-	20,258	1,255
Gongdeok Development Corporation	19	-	9,035	-
Shin Dong Jin Co., Ltd.	-	-	6,347	-
Huizhou Galaxia Device Electronics. Co., Ltd.	358	-	110,440	466
Others	4,610	-	461	991
	<u>45,717</u>	<u>-</u>	<u>160,228</u>	<u>2,712</u>
<b>Others</b>				
Galaxia SM Inc.	5	-	6,607	-
Chin Hung International Inc.	3,099	-	-	2,000
Others	1,059	-	12	-
	<u>4,163</u>	<u>-</u>	<u>6,619</u>	<u>2,000</u>
	<u>₩ 76,618</u>	<u>₩ 3,727</u>	<u>₩ 174,620</u>	<u>₩ 7,082</u>

<sup>1</sup> Revenue, rental income, interest income and others are included in revenue and others. Purchase of raw materials, export fees, service fees, interest expense and others are included in purchases and others.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

	2016			
	Revenue and others <sup>1</sup>	Dividends	Purchases and others <sup>1</sup>	Acquisition of fixed assets
<i>(in millions of Korean won)</i>				
<b>Associates</b>				
Shinwha intertek Co., Ltd.	₩ 10,061	₩ -	₩ 5	₩ -
Hyosung ITX Co., Ltd.	12,526	439	5,522	380
Hyosung Information System Co., Ltd.	246	3,460	502	1,073
Others	4,869	-	2,635	-
	<u>27,702</u>	<u>3,899</u>	<u>8,664</u>	<u>1,453</u>
<b>Other related parties</b>				
Galaxia device Co., Ltd.	458	-	16,804	13
Galaxia Electronics	15,118	-	22,105	5,358
Gongdeok Development Corporation	-	-	8,904	-
Huizhou Galaxia Device Electronics. Co., Ltd.	8,893	-	75,621	222
Others	3,102	-	6,688	541
	<u>27,571</u>	<u>-</u>	<u>130,122</u>	<u>6,134</u>
<b>Others</b>				
Galaxia Communications Co., Ltd.	1,134	-	52	-
Chin Hung International Inc.	22,982	-	51,803	62,265
Others	-	-	1,182	102
	<u>24,116</u>	<u>-</u>	<u>53,037</u>	<u>62,367</u>
	<u>₩ 79,389</u>	<u>₩ 3,899</u>	<u>₩ 191,823</u>	<u>₩ 69,954</u>

<sup>1</sup> Revenue, rental income, interest income and others are included in revenue and others. Purchase of raw materials, export fees, service fees, interest expense and others are included in purchases and others.



**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

<b>2017</b>				
	<b>Trade receivables</b>	<b>Other receivables<sup>1</sup></b>	<b>Trade payables</b>	<b>Other payables<sup>1</sup></b>
<i>(in millions of Korean won)</i>				
<b>Associates</b>				
The Kwangjuilbo	₩ -	₩ 7,727	₩ -	₩ 55
Shinwha intertek Co., Ltd.	2,718	-	-	2,499
Hyosung ITX Co., Ltd.	958	-	1,157	2,746
PT. GELORA MANDIRI MEMBANGUN	-	4,738	-	-
Others	521	962	323	4,173
	<u>4,197</u>	<u>13,427</u>	<u>1,480</u>	<u>9,473</u>
<b>Other related parties</b>				
Galaxia Electronics	20,417	129	1,584	40
Gongdeok Development Corporation	-	4,637	-	20
The Class Hyosung	85	5	-	5,733
Shin Dong Jin Co., Ltd.	-	4,204	-	596
Huizhou Galaxia Device Electronics. Co., Ltd.	4,214	1,671	14,314	272
Others	61	2,885	2,078	-
	<u>24,777</u>	<u>13,531</u>	<u>17,976</u>	<u>6,661</u>
<b>Others</b>				
Galaxia SM Inc.	-	19	1,978	1,329
Chin Hung International Inc.	1	17,292	-	20,113
Others	16	-	3	693
	<u>17</u>	<u>17,311</u>	<u>1,981</u>	<u>22,135</u>
	<u>₩ 28,991</u>	<u>₩ 44,269</u>	<u>₩ 21,437</u>	<u>₩ 38,269</u>
<b>2016</b>				
	<b>Trade receivables</b>	<b>Other receivables<sup>1</sup></b>	<b>Trade payables</b>	<b>Other payables<sup>1</sup></b>
<i>(in millions of Korean won)</i>				
<b>Associates</b>				
The Kwangjuilbo	₩ -	₩ 7,482	₩ -	₩ 22
Shinwha intertek Co., Ltd.	4,806	2	-	102
Hyosung ITX Co., Ltd.	703	2	681	1,415
PT. GELORA MANDIRI MEMBANGUN	-	5,345	-	-
Others	2,350	118	235	313
	<u>7,859</u>	<u>12,949</u>	<u>916</u>	<u>1,852</u>
<b>Other related parties</b>				
Galaxia Electronics Co., Ltd.	3,265	17	6,292	3,466
Gongdeok Development Corporation	-	4,637	-	7
Shin Dong Jin Co., Ltd.	-	3,998	-	461
Huizhou Galaxia Device Electronics. Co. Ltd.	8,019	2,211	9,648	104
Others	81	598	1,219	902
	<u>11,365</u>	<u>11,461</u>	<u>17,159</u>	<u>4,940</u>
<b>Others</b>				
Galaxia Communications Co., Ltd.	124	-	5	1,209
Chin Hung International Inc.	1,915	48	16,762	29,665
Others	-	-	29	254
	<u>2,039</u>	<u>48</u>	<u>16,796</u>	<u>31,128</u>
	<u>₩ 21,263</u>	<u>₩ 24,458</u>	<u>₩ 34,871</u>	<u>₩ 37,920</u>

<sup>1</sup> Non-trade receivables, loans, deposits provided and others are included in other receivables. Non-trade payables, deposit received and others are included in other payables.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Fund transactions with related parties for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

	2017					
	Loan transactions					Equity contributions in cash
	Beginning balance	Loan	Collection	Translation exchange differences	Ending balance	
<b>Associates</b>						
The Kwangjuilbo	7,149	-	-	-	7,149	-
Soonchon Eco Green Corporation	-	924	-	-	924	-
Pathfinder Youth's Investment Foundation Association.	-	-	-	-	-	700
PT. Gelora Mandiri membangun	5,345	-	-	(607)	4,738	-
<b>Other related parties</b>						
The Class Hyosung Corporation	44	130	(127)	-	47	-
A-seung Automotive Group	100	-	-	-	100	-
<b>Others</b>						
Chin Hung International Inc.	-	-	-	-	-	28,400

(in millions of Korean won)

	2016					
	Loan transactions					Equity contributions in cash
	Beginning balance	Loan	Collection	Translation exchange differences	Ending balance	
<b>Associates</b>						
The Kwangjuilbo	7,149	-	-	-	7,149	-
Papua Agro Lestari	-	-	-	-	-	4,111
PT. Gelora Mandiri Membangun	5,183	-	-	162	5,345	-
<b>Other related parties</b>						
The Class Hyosung Corporation	-	174	(130)	-	44	-
A-seung Automotive Group	-	100	-	-	100	-

The Group has transferred all of its contract performance guarantee deposits to Suncheon Eco Green Corporation as a loan. As at December 31, 2017, the Group has provided allowance for bad debts amounting to ₩ 924 million and ₩ 924 million is recognized for bad debt expenses for the year ended December 31, 2017.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

The compensation paid or payable to key management for employee services for the years ended December 31, 2017 and 2016, consists of:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Short-term employee benefits	₩	5,843	₩	9,098
Post-employment benefits		383		980
	₩	<u>6,226</u>	₩	<u>10,078</u>

Details of collaterals provided by the Group for the related parties as at December 31, 2017, are as follows:

<i>(in millions of Korean won)</i>	<b>Carrying amount</b>	<b>Secured amount</b>	<b>Secured asset</b>	<b>Details</b>	<b>Amount of borrowings</b>	<b>Creditor</b>
Soonchon Eco Green Corporation <sup>1</sup>	-	-	Equity securities	Operating capital and others	39,391	IBK and others
Pyeongchang WindPower Co., Ltd. Hyosung	₩ 6,949	₩ 6,510	Equity securities	Facility loan and others	₩ 59,407	Woori bank and others
Toyota Corp. <sup>2</sup>	31,469	3,200	PP&E	Operating capital and others	-	Toyota Motor Korea Co., Ltd.
Chin Hung International Inc. <sup>3</sup>	135,141	135,141	Equity securities	-	-	The Committee of Creditor Banks of Chin Hung International Inc.
	<u>₩ 173,120</u>	<u>₩ 144,851</u>			<u>₩ 98,798</u>	

<sup>1</sup> In addition to providing the equity securities as described above, the Group has provided contractual execution guarantees (₩ 45,391 million) and supplementary financing arrangements (₩ 3,000 million) and two pledged checks to Soonchon Eco Green Corporation (Note 38).

<sup>2</sup> Certain amounts of property, plant and equipment are provided as collaterals to TOYOTA Motor KOREA Co., Ltd. in relation to the inventory financing of Hyosung Toyota Corp. Also, the Group provides capital supplement agreement of ₩2,000 million for borrowing of Hyosung Toyota Corp. (Notes 15 and 38).

<sup>3</sup> The equity shares of Chin Hung International Inc. are provided as collateral to the Committee of Creditor Banks of Chin Hung International Inc. in accordance with the special agreement for plans for normalization of the business of Chin Hung International Inc. (Notes 11 and 38).

Chin Hung International Inc. provides its shares of Somesevit Corporation as collateral for the Group amounting to ₩ 56,000 million relating to Somesevit Corporation's borrowing of ₩ 79,900 million (Note 38).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 20. Borrowings

Details of borrowings as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	2017		2016	
<b>Borrowings</b>				
Short-term borrowings	₩	3,323,341	₩	2,738,096
Current portion of long-term borrowings		1,593,656		1,642,329
		<u>4,916,997</u>		<u>4,380,425</u>
<b>Long-term borrowings</b>				
Long-term borrowings		1,179,017		1,434,308
Debentures		1,166,072		1,227,863
		<u>2,345,089</u>		<u>2,662,171</u>
	₩	7,262,086	₩	7,042,596

Borrowings are collateralized with the Group's available-for-sale financial assets and property, plant and equipment, and others (Notes 15 and 38).

Details of short-term borrowings as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>Interest rate as at Dec. 31, 2017 (%)</b>		<b>2017</b>	<b>2016</b>
	<b>Creditor</b>				
Bank overdrafts	Hana Bank Osaka	1.30	₩	6,427	₩ 4,875
General loan	Woori Bank and others	0.58 ~ 10.25		2,368,711	1,377,619
Collateralized borrowings <sup>1</sup>	Woori Bank and others	0.80 ~ 3.44		690,626	658,902
Others	Woori Bank and others	1.60 ~ 3.48		<u>257,577</u>	<u>696,700</u>
			₩	<u>3,323,341</u>	₩ <u>2,738,096</u>

<sup>1</sup> The Group sold trade receivables denominated in foreign currencies at a discount to the financial institutions for the years ended December 31, 2017 and 2016. The Group may retain an obligation to compensate a financial institution for debtors' failure to make payment when they become due, an obligation known as a 'recourse obligation'. Recourse obligations related to the sales of receivables with recourse are accounted for as collateralized borrowings (Notes 6 and 38).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Details of long-term borrowings as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>Creditor</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
<b>Hyosung Corp.</b>				
Local currency	Korea Development Bank and others	0.75 ~ 4.12	₩ 419,947	₩ 692,699
Foreign currency	Korea Development Bank and others	1.97 ~ 3.59	219,334	246,726
<b>Subsidiaries</b>				
Local currency	The Export-Import Bank of Korea and others	2.30 ~ 8.55	867,765	520,517
Foreign currency	The Export-Import Bank of Korea and others	2.17 ~ 4.76	165,303	800,423
			1,672,349	2,260,365
	Less: Current portion		(492,982)	(825,529)
	Present value discounts		(350)	(528)
			₩ 1,179,017	₩ 1,434,308

Above long-term borrowings are subject to installment repayment or lump-sum repayment at maturity date. Borrowings are collateralized with the Group's available-for-sale financial assets and property, plant and equipment, and others (Notes 11, 15 and 38).

Details of debentures as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>Maturity date</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
<b>Hyosung Corp.</b>				
251-2 <sup>nd</sup> Public subscription bond	2017-02-07	-	-	60,000
253-2 <sup>nd</sup> Public subscription bond	2018-02-21	3.75	30,000	30,000
254 <sup>th</sup> Private bond	2017-05-02	-	-	30,000
256-1 <sup>st</sup> Public subscription bond	2017-02-25	-	-	50,000
256-2 <sup>nd</sup> Public subscription bond	2018-02-25	3.28	100,000	100,000
256-3 <sup>rd</sup> Public subscription bond	2020-02-25	3.76	50,000	50,000
257-1 <sup>st</sup> Public subscription bond	2018-06-26	2.90	130,000	130,000
257-2 <sup>nd</sup> Public subscription bond	2020-06-26	3.97	70,000	70,000
258 <sup>th</sup> Private bond	2018-12-29	0.70	28,473	31,104
259-1 <sup>st</sup> Public subscription bond	2019-04-25	2.78	102,000	102,000
259-2 <sup>nd</sup> Public subscription bond	2021-04-25	3.43	98,000	98,000
260-1 <sup>st</sup> Public subscription bond	2019-12-27	2.70	120,000	120,000
260-2 <sup>nd</sup> Public subscription bond	2021-12-28	3.44	30,000	30,000

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

(in millions of Korean won)

	<b>Maturity date</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
<b>Hyosung Capital Co., Ltd.</b>				
86 <sup>th</sup> Debenture	2017-02-24	-	-	30,000
90-2 <sup>nd</sup> Debenture	2017-05-25	-	-	30,000
95 <sup>th</sup> Debenture	2017-09-26	-	-	10,000
105 <sup>th</sup> Debenture	2017-04-04	-	-	20,000
110 <sup>th</sup> Debenture	2018-01-02	4.61	15,000	15,000
117 <sup>th</sup> Debenture	2017-04-10	-	-	20,000
118-2 <sup>nd</sup> Debenture	2017-05-21	-	-	5,000
119 <sup>th</sup> Debenture	2017-05-26	-	-	20,000
121-2 <sup>nd</sup> Debenture	2017-06-22	-	-	20,000
122-2 <sup>nd</sup> Debenture	2017-06-29	-	-	10,000
126 <sup>th</sup> Debenture	2017-09-30	-	-	20,000
127 <sup>th</sup> Debenture	2017-10-29	-	-	20,000
128 <sup>th</sup> Debenture	2018-12-31	4.19	3,000	3,000
129 <sup>th</sup> Debenture	2018-03-28	4.01	20,000	20,000
130 <sup>th</sup> Debenture	2018-04-23	4.12	20,000	20,000
132 <sup>nd</sup> Debenture	2017-06-07	-	-	8,000
133-1 <sup>st</sup> Debenture	2018-06-14	4.06	20,000	20,000
133-2 <sup>nd</sup> Debenture	2018-06-14	4.06	9,000	9,000
134 <sup>th</sup> Debenture	2017-06-16	-	-	29,000
135 <sup>th</sup> Debenture	2017-03-23	-	-	8,000
136 <sup>th</sup> Debenture	2018-06-24	4.08	20,000	20,000
137 <sup>th</sup> Debenture	2018-06-28	4.00	20,000	20,000
138 <sup>th</sup> Debenture	2017-07-04	-	-	14,000
139 <sup>th</sup> Debenture	2018-07-18	4.00	10,000	10,000
140 <sup>th</sup> Debenture	2017-01-23	-	-	22,000
141-1 <sup>st</sup> Debenture	2017-08-01	-	-	20,000
141-2 <sup>nd</sup> Debenture	2017-02-01	-	-	5,000
142 <sup>nd</sup> Debenture	2017-11-04	-	-	10,000
143 <sup>rd</sup> Debenture	2017-08-08	-	-	10,000
144 <sup>th</sup> Debenture	2017-11-12	-	-	10,000
145-1 <sup>st</sup> Debenture	2017-08-22	-	-	30,000
145-2 <sup>nd</sup> Debenture	2017-09-22	-	-	14,000
145-3 <sup>rd</sup> Debenture	2017-11-20	-	-	10,000
146-1 <sup>st</sup> Debenture	2017-11-30	-	-	10,000
146-2 <sup>nd</sup> Debenture	2018-01-30	3.83	3,000	3,000
146-3 <sup>rd</sup> Debenture	2018-02-28	3.90	15,000	15,000
147-1 <sup>st</sup> Debenture	2017-09-05	-	-	10,000
147-2 <sup>nd</sup> Debenture	2017-11-06	-	-	10,000
147-3 <sup>rd</sup> Debenture	2018-03-05	3.90	10,000	10,000
148 <sup>th</sup> Debenture	2018-03-09	3.90	15,000	15,000
149 <sup>th</sup> Debenture	2018-03-20	3.90	18,000	18,000
150-1 <sup>st</sup> Debenture	2017-09-29	-	-	20,000
150-2 <sup>nd</sup> Debenture	2018-03-30	4.01	20,000	20,000
151 <sup>st</sup> Debenture	2018-04-05	3.90	15,000	15,000
152-1 <sup>st</sup> Debenture	2017-10-11	-	-	5,000
152-2 <sup>nd</sup> Debenture	2018-01-11	3.97	15,000	15,000
153-1 <sup>st</sup> Debenture	2017-12-28	-	-	20,000
153-2 <sup>nd</sup> Debenture	2018-01-14	3.92	15,000	15,000
154-1 <sup>st</sup> Debenture	2017-10-26	-	-	20,000
154-2 <sup>nd</sup> Debenture	2018-01-26	3.95	20,000	20,000

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

(in millions of Korean won)

	<b>Maturity date</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
155-1 <sup>st</sup> Debenture	2017-05-02	-	-	6,000
155-2 <sup>nd</sup> Debenture	2018-02-02	3.95	5,000	5,000
156 <sup>th</sup> Debenture	2018-02-19	3.95	15,000	15,000
157-1 <sup>st</sup> Debenture	2017-11-22	-	-	5,000
157-2 <sup>nd</sup> Debenture	2018-02-22	3.95	15,000	15,000
158 <sup>th</sup> Debenture	2018-02-23	3.95	20,000	20,000
159 <sup>th</sup> Debenture	2017-11-28	-	-	10,000
160 <sup>th</sup> Debenture	2018-06-05	3.99	17,000	17,000
161 <sup>st</sup> Debenture	2018-03-13	3.85	5,000	5,000
162 <sup>nd</sup> Debenture	2017-12-19	-	-	10,000
163 <sup>rd</sup> Debenture	2017-12-22	-	-	12,000
164 <sup>th</sup> Debenture	2018-01-11	3.75	21,000	-
165 <sup>th</sup> Debenture	2018-01-23	3.70	10,000	-
167 <sup>th</sup> Debenture	2018-02-01	3.70	30,000	-
168 <sup>th</sup> Debenture	2018-02-06	3.68	10,000	-
169 <sup>th</sup> Debenture	2018-05-08	3.85	6,200	-
170 <sup>th</sup> Debenture	2018-05-16	3.80	5,000	-
171 <sup>th</sup> Debenture	2018-05-23	3.80	10,000	-
172-1 <sup>st</sup> Debenture	2018-03-08	3.68	10,000	-
172-2 <sup>nd</sup> Debenture	2018-06-08	3.80	20,000	-
173-1 <sup>st</sup> Debenture	2018-03-13	3.65	20,000	-
173-2 <sup>nd</sup> Debenture	2018-06-13	3.80	20,000	-
174 <sup>th</sup> Debenture	2018-06-17	3.80	5,000	-
175 <sup>th</sup> Debenture	2018-07-03	3.75	10,000	-
176-1 <sup>st</sup> Debenture	2018-04-04	3.60	20,000	-
176-2 <sup>nd</sup> Debenture	2018-07-04	3.75	10,000	-
176-3 <sup>rd</sup> Debenture	2018-09-28	3.85	10,000	-
176-4 <sup>th</sup> Debenture	2018-10-04	3.85	20,000	-
176-5 <sup>th</sup> Debenture	2019-04-04	4.03	1,500	-
177 <sup>th</sup> Debenture	2019-05-10	4.01	20,000	-
178 <sup>th</sup> Debenture	2019-05-24	3.96	20,000	-
179 <sup>th</sup> Debenture	2018-11-25	3.55	10,000	-
180-1 <sup>st</sup> Debenture	2019-05-26	3.95	8,000	-
180-2 <sup>nd</sup> Debenture	2019-11-26	4.24	20,000	-
181 <sup>th</sup> Debenture	2019-05-30	3.91	20,000	-
182-1 <sup>st</sup> Debenture	2018-12-07	3.60	20,000	-
182-2 <sup>nd</sup> Debenture	2019-06-07	3.94	20,000	-
183-1 <sup>st</sup> Debenture	2018-12-14	3.60	5,000	-
183-2 <sup>nd</sup> Debenture	2019-06-14	3.87	5,000	-
183-3 <sup>rd</sup> Debenture	2019-09-16	4.04	15,000	-
184-1 <sup>st</sup> Debenture	2019-03-22	3.69	20,000	-
184-2 <sup>nd</sup> Debenture	2019-06-24	3.83	10,000	-
184-3 <sup>rd</sup> Debenture	2019-12-22	4.24	20,000	-
185-1 <sup>st</sup> Debenture	2018-10-01	3.29	10,000	-
185-2 <sup>nd</sup> Debenture	2019-07-01	3.78	5,000	-
185-3 <sup>rd</sup> Debenture	2019-12-29	4.24	10,000	-
186 <sup>th</sup> Debenture	2019-07-04	3.75	30,000	-
187-1 <sup>st</sup> Debenture	2019-07-19	3.73	22,000	-
187-2 <sup>nd</sup> Debenture	2019-10-19	4.02	10,000	-
188-1 <sup>st</sup> Debenture	2019-01-31	3.31	10,000	-
188-2 <sup>nd</sup> Debenture	2019-07-31	3.68	20,000	-

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

(in millions of Korean won)

	<b>Maturity date</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
188-3 <sup>rd</sup> Debenture	2019-10-31	3.91	10,000	-
188-4 <sup>th</sup> Debenture	2020-01-31	4.08	5,000	-
189-1 <sup>st</sup> Debenture	2019-08-08	3.67	10,000	-
189-2 <sup>nd</sup> Debenture	2019-11-08	3.91	10,000	-
189-3 <sup>rd</sup> Debenture	2020-02-07	4.10	10,000	-
190-1 <sup>st</sup> Debenture	2020-02-17	4.18	10,000	-
190-2 <sup>nd</sup> Debenture	2020-08-17	4.62	10,000	-
191-1 <sup>st</sup> Debenture	2019-11-22	3.98	10,000	-
191-2 <sup>nd</sup> Debenture	2020-02-21	4.19	10,000	-
192 <sup>nd</sup> Debenture	2019-11-25	4.01	10,000	-
193 <sup>rd</sup> Debenture	2020-08-31	4.57	10,000	-
194-1 <sup>st</sup> Debenture	2019-09-05	3.59	10,000	-
194-2 <sup>nd</sup> Debenture	2020-03-05	4.01	3,000	-
195 <sup>th</sup> Debenture	2019-09-13	3.40	10,000	-
196 <sup>th</sup> Debenture	2020-03-22	3.97	10,000	-
197 <sup>th</sup> Debenture	2019-03-26	3.10	20,000	-
198-1 <sup>st</sup> Debenture	2019-07-10	3.32	2,000	-
198-2 <sup>nd</sup> Debenture	2019-10-10	3.58	4,000	-
198-3 <sup>rd</sup> Debenture	2020-04-10	4.33	20,000	-
199-1 <sup>st</sup> Debenture	2019-04-24	3.48	10,000	-
199-2 <sup>nd</sup> Debenture	2019-10-24	3.87	13,000	-
200 <sup>th</sup> Debenture	2019-04-26	3.47	20,000	-
201-1 <sup>st</sup> Debenture	2019-04-30	3.56	20,000	-
201-2 <sup>nd</sup> Debenture	2020-04-30	4.64	20,000	-
202 <sup>th</sup> Debenture	2019-05-06	3.59	17,000	-
203 <sup>th</sup> Debenture	2019-11-21	4.18	19,000	-
204 <sup>th</sup> Debenture	2019-11-25	4.09	20,000	-
205-1 <sup>st</sup> Debenture	2018-11-28	3.28	20,000	-
205-2 <sup>nd</sup> Debenture	2019-11-28	4.04	20,000	-
206 <sup>th</sup> Debenture	2019-12-09	3.94	20,000	-
207 <sup>th</sup> Debenture	2019-06-22	3.35	10,000	-
208-1 <sup>st</sup> Debenture	2019-12-26	3.83	20,000	-
208-2 <sup>nd</sup> Debenture	2020-06-26	4.49	10,000	-
18 <sup>th</sup> ABS	2017-09-11	-	-	25,000
19 <sup>th</sup> ABS	2017-09-26	-	-	10,000
20 <sup>th</sup> ABS	2017-01-15	-	-	10,000
20 <sup>th</sup> ABS	2017-03-15	-	-	10,000
20 <sup>th</sup> ABS	2017-06-15	-	-	10,000
20 <sup>th</sup> ABS	2017-09-15	-	-	10,000
20 <sup>th</sup> ABS	2017-12-15	-	-	10,000
22 <sup>th</sup> ABS	2018-01-26	-	-	45,000
24 <sup>th</sup> ABS	2018-11-16	2.09~ 2.62	35,000	110,000
25 <sup>th</sup> ABS	2018-01-17	1.90	6,000	-
25 <sup>th</sup> ABS	2018-02-14	1.97	5,000	-
25 <sup>th</sup> ABS	2018-03-16	2.02	5,000	-
25 <sup>th</sup> ABS	2018-04-17	2.07	5,000	-
25 <sup>th</sup> ABS	2018-06-15	2.11	5,000	-
25 <sup>th</sup> ABS	2018-07-17	2.13	5,000	-
25 <sup>th</sup> ABS	2018-08-17	2.14	5,000	-
25 <sup>th</sup> ABS	2018-09-17	2.16	5,000	-



**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

*(in millions of Korean won)*

	<b>Maturity date</b>	<b>Interest rate as at Dec. 31, 2017 (%)</b>	<b>2017</b>	<b>2016</b>
25 <sup>th</sup> ABS	2018-10-17	2.17	5,000	-
25 <sup>th</sup> ABS	2018-11-16	2.27	5,000	-
25 <sup>th</sup> ABS	2019-01-17	2.33	5,000	-
25 <sup>th</sup> ABS	2019-03-15	2.44	5,000	-
Asset Backed Short-Term Bond	2017-01-06	-	-	8,800
Asset Backed Short-Term Bond	2017-01-06	-	-	4,000
Asset Backed Short-Term Bond	2017-03-02	-	-	2,000
Asset Backed Short-Term Bond	2018-02-08	2.20	15,000	-
Asset Backed Short-Term Bond	2018-02-08	2.20	5,000	-
Asset Backed Short-Term Bond	2018-02-12	2.10	10,000	-
Asset Backed Short-Term Bond	2018-02-19	2.50	10,000	-
Asset Backed Short-Term Bond	2018-02-22	2.50	10,000	-
Asset Backed Short-Term Bond	2018-02-23	2.20	7,000	-
Asset Backed Short-Term Bond	2018-03-13	2.30	7,000	-
			<u>2,270,173</u>	<u>2,048,904</u>
Less: Current portion			(1,100,673)	(816,800)
Discount on bonds payable			(3,428)	(4,241)
			<u>₩ 1,166,072</u>	<u>₩ 1,227,863</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**21. Trade and Other Payables**

Details of trade and other payables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Trade payables	₩ 1,417,474	₩ 1,072,263
Other payables	656,318	714,253
Long-term other payables	400,493	376,167
	<u>₩ 2,474,285</u>	<u>₩ 2,162,683</u>

Details of other payables as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Other payables</b>		
Non-trade payables	₩ 439,806	₩ 517,983
Accrued expenses	118,223	112,127
Withholdings	64,491	55,782
Deposits received	33,798	28,361
	<u>656,318</u>	<u>714,253</u>
<b>Long-term other payables</b>		
Non-trade payables	20,247	23,657
Accrued expenses	6,156	6,488
Deposits received	374,090	346,022
	<u>400,493</u>	<u>376,167</u>
	<u>₩ 1,056,811</u>	<u>₩ 1,090,420</u>

The fair value of long-term other payables is calculated by discounting nominal value of expected future cash inflow at discount rate which reflects credit risk.

	<b>2017</b>	<b>2016</b>
Discount rate	1.60%~5.00%	1.80%~5.00%

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

**22. Post-employment benefits**

Details of net defined benefit liabilities recognized in the consolidated statements of financial position as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Present value of defined benefit obligations	₩ 456,270	₩ 437,373
Fair value of plan assets <sup>1</sup>	(432,995)	(393,874)
Net defined benefit liabilities	<u>₩ 23,275</u>	<u>₩ 43,499</u>

<sup>1</sup> The contributions to the National Pension Fund of ₩ 462 million are included in the fair value of plan assets as at December 31, 2017 (2016: ₩497 million).

The amounts recognized in the consolidated statements of profit or loss for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Current service cost	₩ 60,780	₩ 60,836
Interest expenses	9,723	8,537
Interest income	(11,304)	(10,143)
Past service cost and gains(losses) arising from settlements	6	-
	<u>₩ 59,205</u>	<u>₩ 59,230</u>

Line items including total expenses in the consolidated statements of profit or loss for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Cost of sales	₩ 32,984	₩ 34,965
Selling and administrative expenses	22,900	21,307
Research and development expenses	3,321	2,958
	<u>₩ 59,205</u>	<u>₩ 59,230</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

Changes in the defined benefit liabilities for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Beginning balance	₩ 437,373	₩ 394,832
Current service cost	60,780	60,836
Interest expenses	9,723	8,537
Past service cost and gain (loss) arising from settlements	6	-
Benefits payment	(26,423)	(26,689)
Remeasurements:		
Changes in demographic assumptions	-	1,019
Changes in financial assumptions	(20,340)	(6,076)
Experience adjustments	(4,303)	4,465
Transfer in (out) of associates	(529)	(177)
Changes in scope of consolidation	(76)	-
Others (changes in exchange rate and others)	59	626
Ending balance	₩ 456,270	₩ 437,373

Changes in the fair value of plan assets for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Beginning balance	₩ 393,874	₩ 359,266
Interest income	11,304	10,143
Employer contribution	60,778	51,491
Benefits payments	(24,114)	(21,581)
Effect of settlement of the Policy		-
Remeasurements	(6,031)	(4,377)
Increase (decrease) due to changes in scope of consolidation	(85)	-
Others (changes in exchange rate and others)	(2,731)	(1,068)
Ending balance	₩ 432,995	₩ 393,874

Plan assets as at December 31, 2017 and 2016, consist of the following:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Deposits	₩ 320,864	₩ 293,218
Debt instruments	112,131	100,656
	₩ 432,995	₩ 393,874

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

Remeasurements of net defined benefit liabilities recognized as other comprehensive income for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Before income tax effects	₩ 18,612	₩ (3,784)
Income tax effects	(4,608)	970
After income tax effects	<u>₩ 14,004</u>	<u>₩ (2,814)</u>

The principal actuarial assumptions as at December 31, 2017 and 2016, are as follows:

	<b>2017</b>	<b>2016</b>
Discount rate	0.3%~3.39%	0.32%~2.82%
Salary growth rate	1.02%~4.57%	1.02%~4.32%

The sensitivity of the defined benefit liability to changes in the weighted principal assumptions is:

<b>Changes in principal assumption</b>		<b>Effect on defined benefit liability</b>
Discount rate	1.0% increase/decrease	1.44%~8.39% decrease/
		1.48%~9.85% increase
		1.47%~9.83% increase/
Salary growth rate	1.0% increase/decrease	1.46%~8.52% decrease

The above sensitivity analyses are based on a change in an assumption while holding all other assumptions constant. In practice, this is unlikely to occur, and changes in some of the assumptions may be correlated. The sensitivity of the defined benefit liability to changes in principal actuarial assumptions is calculated using the projected unit credit method, the same method applied when calculating the defined benefit liabilities recognized on the consolidated statement of financial position.

The methods and types of assumptions used in preparing the sensitivity analysis were not changed compared to the previous period.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

The Group reviews the funding level on an annual basis and has a policy of eliminating deficit from the fund. Expected contributions to post-employment benefit plans for the year ending December 31, 2018, are ₩ 50,003 million.

Expected maturity analysis of undiscounted pension benefits as at December 31, 2018, is as follows:

<i>(in millions of Korean won)</i>	<b>Less than 1 year</b>	<b>Between 1 and 2 years</b>	<b>Between 2 and 5 years</b>	<b>Over 5 years</b>	<b>Total</b>
Pension benefits	₩ 33,417	₩ 27,987	₩ 90,997	₩ 750,024	₩ 902,425

The weighted average duration of the defined benefit obligation is 1.75~10.4 years.

Recognized expense related to the defined contribution plan for the year ended December 31, 2017, is ₩ 5,870 million (2016: ₩ 5,471 million).

### 23. Tax Expense and Deferred Tax

Income tax expense for the years ended December 31, 2017 and 2016, consists of:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Current tax:		
Current tax on profit for the year	₩ 197,023	₩ 235,190
Adjustments in respect of prior years	(92,439)	11,764
Total current tax	104,584	246,954
Deferred tax :		
Origination and reversal of temporary differences	(66,760)	(25,847)
Impact of change in tax rate	2,082	5
Total deferred tax	(64,677)	(25,842)
Income tax expense	₩ 41,989	₩ 221,112

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

The tax on the Group's profit before tax differs from the theoretical amount that would arise using the weighted average tax rate applicable to profits of the consolidated entities as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Profit before income tax	₩	382,829	₩	696,514
Tax calculated at domestic tax rates applicable to profits in the respective countries		139,358		203,408
Tax effects of:				
Income not subject to tax		(5,451)		(5,548)
Expenses not deductible for tax purposes		27,104		27,516
Adjustment in respect of prior year		(92,439)		11,763
Tax credits		(33,743)		(38,099)
Others		5,078		22,067
Impact of change in the tax rate		2,082		5
Income tax expense	₩	41,989	₩	221,112

The income tax effects related to components of the other comprehensive income (expenses) for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>			<b>2016</b>		
	<b>Before tax</b>	<b>Tax effect</b>	<b>After tax</b>	<b>Before tax</b>	<b>Tax effect</b>	<b>After tax</b>
Gain (loss) on valuation of available-for-sale financial assets	₩ (2,060)	₩ 6,474	₩ 4,414	₩ 44,778	₩ (6,425)	₩ 38,353
Remeasurements of net defined benefit liabilities	(29,694)	15,907	(13,787)	(48,306)	20,515	(27,791)
Gain (loss) on valuation of derivatives	809	(196)	613	809	(196)	613
Change in equity from applying equity method	4,430	(736)	3,694	1,142	2,456	3,598
Cumulative effect of foreign currency translation	(84,229)	561	(84,790)	22,165	(5,364)	16,801

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

The analysis of deferred tax assets and deferred tax liabilities as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Deferred tax assets</b>		
Deferred tax asset to be recovered after more than 12 months	₩ 327,986	₩ 293,084
Deferred tax asset to be recovered within 12 months	46,505	46,288
	<u>374,491</u>	<u>339,372</u>
<b>Deferred tax liabilities</b>		
Deferred tax liability to be recovered after more than 12 months	(495,647)	(537,706)
Deferred tax liability to be recovered within 12 months	2,479	14,980
	<u>(493,168)</u>	<u>(522,726)</u>
Deferred tax assets (liabilities), net	<u>₩ (118,677)</u>	<u>₩ (183,354)</u>

The movements in the deferred income tax account for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Beginning balance	₩ (183,354)	₩ (209,196)
Tax charged (credited) to components of profit and loss	53,653	(34,238)
Tax charged (credited) to components of other comprehensive income	11,024	8,396
Ending balance	<u>₩ (118,677)</u>	<u>₩ (183,354)</u>



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Changes in deferred income tax assets and liabilities for the years ended December 31, 2017 and 2016, without taking into consideration the offsetting of balances within the same tax jurisdiction, are as follows:

	2017			
	Beginning	Statement of profit or loss	Other comprehensive income	Ending
<b>Deferred tax liabilities</b>				
Gains on revaluation of land	₩ (285,743)	₩ 4,201	₩ -	₩ (281,542)
Investments in associates	(59,411)	-	-	(59,411)
Defined benefit pension plan assets	(83,766)	(9,784)	1,254	(92,296)
Reserve for research and human resource development	(12,467)	8,067	-	(4,400)
Gain (loss) from fire insurance policy	(546)	-	-	(546)
Others	(80,793)	7,214	8,212	(65,367)
	<u>(522,726)</u>	<u>9,698</u>	<u>9,466</u>	<u>(503,562)</u>
<b>Deferred tax assets</b>				
Available-for-sale financial assets	89,757	(4,127)	12,900	98,530
Provision for severance pension benefits	88,038	15,443	(5,862)	97,619
Provision for impairment	24,985	-	-	24,985
Government grants	7,733	(2,303)	-	5,430
Loss on valuation of inventories	7,662	7,307	-	14,969
Impairment loss on property, plant and equipment	13,342	25,497	-	38,839
Provision for guarantees	224	-	-	224
Accrued compensated absences	2,167	573	-	2,740
Provision for construction loss	3,558	-	-	3,558
Long-term employment allowance	1,551	(532)	-	1,019
Provision for warranties	11,601	512	-	12,113
Others	88,754	1,585	(5,480)	84,859
	<u>339,372</u>	<u>43,955</u>	<u>1,558</u>	<u>384,885</u>
	<u>₩ (183,354)</u>	<u>₩ 53,653</u>	<u>₩ 11,024</u>	<u>₩ (118,677)</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

	2016			
	Beginning	Statement of profit or loss	Other comprehensive income	Ending
<i>(in millions of Korean won)</i>				
<b>Deferred tax liabilities</b>				
Gains on revaluation of land	₩ (285,743)	₩ -	₩ -	₩ (285,743)
Investments in associates	(38,836)	(11,362)	(9,213)	(59,411)
Defined benefit pension plan assets	(76,270)	(7,509)	13	(83,766)
Reserve for research and human resource development	(23,760)	11,293	-	(12,467)
Gain (loss) from fire insurance policy	(546)	-	-	(546)
Others	(84,761)	4,885	(917)	(80,793)
	<u>(509,916)</u>	<u>(2,693)</u>	<u>(10,117)</u>	<u>(522,726)</u>
<b>Deferred tax assets</b>				
Available-for-sale financial assets	87,211	3,888	(1,342)	89,757
Provision for severance pension benefits	78,901	8,188	949	88,038
Provision for impairment	19,461	5,524	-	24,985
Government grants	6,371	1,362	-	7,733
Loss on valuation of inventories	6,917	6,425	-	13,342
Impairment loss on property, plant and equipment	11,214	(3,552)	-	7,662
Provision for guarantees	1,760	(1,536)	-	224
Accrued compensated absences	1,584	583	-	2,167
Provision for construction loss	4,318	(760)	-	3,558
Long-term employment allowance	1,428	123	-	1,551
Provision for warranties	10,096	1,505	-	11,601
Others	71,459	15,182	2,113	88,754
	<u>300,720</u>	<u>36,932</u>	<u>1,720</u>	<u>339,372</u>
	<u>₩ (209,196)</u>	<u>₩ 34,239</u>	<u>₩ (8,397)</u>	<u>₩ (183,354)</u>

The ability to realize deferred tax asset depends on various components; such as, the Group's ability to generate taxable income for period of the temporary difference realization, general economic environment and industrial expectation, and others. The Group periodically assesses its ability to realize deferred tax assets, and as at December 31, 2017, the Group recognized deferred tax assets for all deductible temporary difference except for the difference relating to investment in associates, which are unrealizable, amounted to ₩ 698,566 million (2016: ₩ 641,990 million).

Deferred income tax assets are recognized for tax loss carryforwards to the extent that the realization of the related tax benefit through future taxable profits is probable. The Group did not recognize deferred income tax assets of ₩ 17,953 million (2016: ₩ 63,888 million).

Unused tax losses carryforwards expire through 2027.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**24. Other Liabilities**

Details of other liabilities as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
<b>Other current liabilities</b>				
Advances	₩	412,328	₩	367,731
Unearned revenues		19,631		20,241
Provision <sup>1</sup>		12,332		50,178
		<u>444,291</u>		<u>438,150</u>
<b>Other non-current liabilities</b>				
Long-term advances		19,600		17,106
Provision <sup>1</sup>		107,144		55,709
		<u>126,744</u>		<u>72,815</u>
	₩	<u>571,035</u>	₩	<u>510,965</u>

<sup>1</sup>The Group accrued provision for warranties in relation to construction contract for the foreseeable expenses; such as, defect repairs based on past experience. The Group also accrued provision for guarantees for the foreseeable expenses relating to PF guarantees (Note 38).

Changes in the Group's provision for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>			
	<b>Provision for warranties</b>	<b>Provision for guarantees</b>	<b>Others</b>	<b>Total</b>
Beginning balance	₩ 50,522	₩ 1,164	₩ 54,201	₩ 105,887
Increase	21,578	266	67,087	88,931
Decrease	(17,423)	-	(54,289)	(71,712)
Other	-	(1,168)	(2,462)	(3,630)
Ending balance	<u>₩ 54,677</u>	<u>₩ 262</u>	<u>₩ 64,537</u>	<u>₩ 119,476</u>

  

<i>(in millions of Korean won)</i>	<b>2016</b>			
	<b>Provision for warranties</b>	<b>Provision for guarantees</b>	<b>Others</b>	<b>Total</b>
Beginning balance	₩ 40,693	₩ -	₩ 22,033	₩ 62,726
Increase	31,137	1,164	56,301	88,602
Decrease	(21,308)	-	(24,133)	(45,441)
Ending balance	<u>₩ 50,522</u>	<u>₩ 1,164</u>	<u>₩ 54,201</u>	<u>₩ 105,887</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 25. Share Capital

The Group is authorized to issue 200,000 thousand shares with the par value per share of ₩ 5,000. As at December 31, 2017, the Group has issued 35,117,455 ordinary shares. There were no changes in share capital for the years ended December 31, 2017 and 2016.

#### 26. Retained Earnings

Retained earnings as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>2017</b>		<b>2016</b>
Legal reserve <sup>1</sup>	₩	67,059	₩	42,402
Discretionary reserve				
Research and development reserves <sup>2</sup>		50,000		96,667
Business stabilization reserves		985		-
Facility reserves		2,522,199		2,121,000
Retained earnings before appropriation		502,910		711,788
	₩	<u>3,143,153</u>	₩	<u>2,971,857</u>

<sup>1</sup> The Commercial Code of the Republic of Korea requires the Group to appropriate for each financial period, as a legal reserve, an amount equal to a minimum of 10% of cash dividends paid until such reserve equals 50% of its issued capital stock. The reserve is not available for cash dividends payment, but may be transferred to capital stock or used to reduce accumulated deficit. When the accumulated legal reserves (the sum of capital reserves and earned reserves) are greater than 1.5 times the paid-in capital amount, the excess legal reserves may be distributed (in accordance with a resolution of the shareholders' meeting).

<sup>2</sup> The Group appropriates a certain portion of its retained earnings as a reserve for research and development which are provided in order to obtain tax benefits under the Special Tax Treatment Control Law. Among these reserves, the reserved amount according to the terms of related tax laws may be transferred to discretionary reserve and distributed as dividends.

Changes in retained earnings for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>2017</b>		<b>2016</b>
Beginning balance	₩	2,971,857	₩	2,636,043
Profit for the year		325,574		455,526
Remeasurements of defined benefit liability		13,384		(1,618)
Remeasurements of defined benefit liability of associates		(742)		(295)
Dividends		(166,343)		(116,440)
Others		(577)		(1,359)
Ending balance	₩	<u>3,143,153</u>	₩	<u>2,971,857</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 27. Other Components of Equity

Other components of equity as at December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Other capital surplus	₩	315,975	₩	317,532
Treasury shares <sup>1</sup>		(34,204)		(34,204)
Gain (loss) on valuation of available-for-sale financial assets		4,414		38,353
Gain (loss) on valuation of derivatives		613		613
Change in equity from applying the equity method		3,694		3,598
Cumulative effect of foreign currency translation		(84,790)		16,801
Other capital adjustments		(1,752)		(1,754)
	₩	<u>203,950</u>	₩	<u>340,939</u>

<sup>1</sup> The 1,848,851 treasury shares were acquired through a merger in 1998 and are expected to be sold in the future.

#### 28. Revenue

Details of revenue for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Merchandise	₩	4,075,933	₩	3,791,690
Finished goods		6,521,007		6,424,360
Construction		1,387,216		1,104,631
Housing		46,572		127,317
Others		515,682		481,115
	₩	<u>12,546,410</u>	₩	<u>11,929,113</u>

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 29. Construction Contracts

Changes in the remaining balance of construction contracts for the years ended December 31, 2017 and 2016, are as follows:

(in millions of Korean won)

	2017			
	Beginning balance	Changes <sup>1</sup>	Recognized construction revenue	Ending balance
Construction	₩ 4,479,904	₩ 1,137,463	₩ (1,134,412)	₩ 4,482,955
Heavy industrial	536,116	183,506	(273,553)	446,069
	₩ 5,016,020	₩ 1,320,969	₩ (1,407,965)	₩ 4,929,024

<sup>1</sup> In 2017, the increase in subcontracted amount, such as revenue from initial contracts, and decrease in subcontracted amount, such as alterations in the original contract work, amount to ₩ 1,371,048 million and ₩ 50,079 million, respectively.

(in millions of Korean won)

	2016			
	Beginning balance	Changes <sup>1</sup>	Recognized construction revenue	Ending balance
Construction	₩ 3,499,562	₩ 1,845,565	₩ (865,223)	₩ 4,479,904
Heavy industrial	639,706	241,008	(344,598)	536,116
	₩ 4,139,268	₩ 2,086,573	₩ (1,209,821)	₩ 5,016,020

<sup>1</sup> In 2016, the increase in subcontracted amount, such as revenue from initial contracts, and decrease in subcontracted amount, such as alterations in the original contract work, amount to ₩ 2,275,309 million and ₩ 188,736 million, respectively.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Details of ongoing construction contracts such as recognized construction profit or loss as at December 31, 2017 and 2016, are as follows:

		<b>2017</b>				
		<b>Accumulated construction revenue</b>	<b>Accumulated construction cost</b>	<b>Accumulated profit or loss</b>	<b>Advance received</b>	<b>Retention<sup>1</sup></b>
Construction	₩	1,439,580	₩ 1,328,466	₩ 111,114	₩ 42	₩ -
Heavy industrial		1,331,366	1,277,462	53,904	687	44,484
	₩	2,770,946	₩ 2,605,928	₩ 165,018	₩ 729	₩ 44,484

<sup>1</sup> In the consolidated statements of financial position, the retention is recorded as long-term deposits provided.

		<b>2016</b>				
		<b>Accumulated construction revenue</b>	<b>Accumulated construction cost</b>	<b>Accumulated profit or loss</b>	<b>Advance received</b>	<b>Retention<sup>1</sup></b>
Construction	₩	1,388,368	₩ 1,313,698	₩ 74,670	₩ 1,388	₩ -
Heavy industrial		1,275,072	1,232,764	42,308	6,398	48,919
	₩	2,663,440	₩ 2,546,462	₩ 116,978	₩ 7,786	₩ 48,919

<sup>1</sup> In the consolidated statements of financial position, the retention is recorded as long-term deposits provided.

Amount due from and due to customers for contract work as at December 31, 2017 and 2016, are as follows:

		<b>2017</b>		<b>2016</b>	
		<b>Due from customers<sup>1</sup></b>	<b>Due to customers<sup>2</sup></b>	<b>Due from customers<sup>1</sup></b>	<b>Due to customers<sup>2</sup></b>
Construction	₩	68,228	₩ 50,342	₩ 56,950	₩ 52,543
Heavy industrial		72,127	28,067	60,032	45,735
	₩	140,355	₩ 78,409	₩ 116,982	₩ 98,278

Provisions of loss on construction amounting to 12,502 million (2016: 16,768 million) as at December 31, 2017 are included in amounts due from and due to customers for contract work

<sup>1</sup> Recognized as due from customers for contract work in the consolidated statement of financial position.

<sup>2</sup> Recognized as due to customers for contract work in the consolidated statement of financial position.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Details of provision of loss on construction as at December 31, 2016 and 2017, are as follows:

(in millions of Korean won)

	2017		2016	
Taejeon-dong APT, Gwangju	₩	3,475	₩	8,055
Telecom center construction		25		114
Welfare facilities construction in downtown		79		120
Qatar MESAIEED Sewage disposal plant construction		4,091		1,727
India Mokokchung & Melriat project		1,058		1,816
India JHARKHAND project		419		775
Parkistan Gujarat project		454		1,285
Qatar ph10 turn-key construction project and etc.		2,901		2,876
	₩	12,502	₩	16,768

Provisions of loss on construction are included in amounts due from and due to customers for contract work in the consolidated statement of financial position.

Contractual information that contract revenue for the year ended December 31, 2017 is more than 5% of previous revenues, are as follows:

(in millions of Korean won)

	Contract date	Contractual completion date	Percentage -of- completion	Due from customers		Trade receivables (receivables from construction contracts)	
				Gross amount	Accumulated impairment loss	Gross amount	Provision for impairment
Urban Redevelopment Projects on the 4th Yongsan Region, Seoul	Dec, 2015	Nov, 2020	9.90%	₩ 1,245	₩ -	₩ -	₩ -



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Details of contract that uses percentage-of-completion measured by reference to the contract costs incurred up to date as a percentage of total estimated costs for each operating segments are as follows:

(in millions of Korean won)		Changes in construction profit or loss				Changes in estimated total contract costs				Due from customers				
		Provisions for expected losses		Changes in accounting estimate		Error correction		Changes in accounting estimate		Error correction		Gross amount		Accumulated impairment loss
Construction	₩	8,416	₩	2,575	₩	-	₩	(383)	₩	-	₩	68,228	₩	-
Heavy industry		4,086		15,059		-		(7,681)		-		72,127		-
	₩	12,502	₩	17,634	₩	-	₩	(8,064)	₩	-	₩	140,355	₩	-

Details of changes in estimated total contract costs, profits or loss for the year and the succeeding year, and the impact on due from customers for contract work are as follows:

	Changes in estimated total contract revenue	Changes in estimated total contract cost	Impact on profit or loss for the year	Impact on profit or loss for the succeeding year	Changes in due from customers for contract work <sup>1,2</sup>
Construction	₩ 1,904	₩ (383)	₩ 2,575	₩ (288)	₩ 2,575
Heavy industry	(10,752)	(7,681)	15,059	(18,130)	15,059
Total	₩ (8,848)	₩ (8,064)	₩ 17,634	₩ (18,418)	₩ 17,634

<sup>1</sup> The impact on recognition of housing revenue are included.

<sup>2</sup> The impact on sites of due to customers for contract work are included.

The impact on profit or loss for the year and the succeeding year is determined based on total contract costs, which are estimated based on the circumstances present from the start of the contract to the end of current year, and the estimated contract revenue as at December 31, 2017. The total contract costs and contract revenue may change in the future.

When the estimated total contract costs increase by 5%, profit before income tax and net assets before income tax effects decrease by ₩ 126,924 million.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 30. Expenses by Nature

Cost of sales, selling and administrative expenses and research and development expenses by nature for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>		<b>2017</b>		<b>2016</b>
Changes in inventories of finished goods and work-in-process and others	₩	(1,270,225)	₩	(1,191,217)
Changes in merchandise		2,741,861		2,742,334
Raw materials and supplies used		5,488,693		4,502,986
Employee benefit expense (Note 31)		1,231,394		1,173,024
Depreciation and amortization		664,548		623,363
Electricity expense		374,267		354,495
Export expense		136,264		158,688
Fuel expense		138,758		120,679
Service expense		251,864		223,994
Outsourcing expense		981,531		1,048,781
Others		1,036,648		1,155,639
Total <sup>1</sup>	₩	<u>11,775,603</u>	₩	<u>10,912,766</u>

<sup>1</sup> Included in the cost of sales, selling and administrative expense, and research and development expenses in the consolidated statements of profit or loss.

#### 31. Employee Benefit Expense

<i>(in millions of Korean won)</i>		<b>2017</b>		<b>2016</b>
Salaries	₩	1,023,952	₩	972,653
Employee welfare benefits		142,367		135,670
Pension costs - defined contribution plans		5,870		5,471
Pension costs - defined benefit plans (Note 22)		59,205		59,230
	₩	<u>1,231,394</u>	₩	<u>1,173,024</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

**32. Selling and Administrative Expenses**

Selling and administrative expenses for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Salaries	₩ 278,117	₩ 280,022
Severance pension benefits	25,314	23,097
Employee welfare benefits	35,495	34,229
Training	2,878	2,912
Transportation	32,126	30,785
Communications	7,322	7,578
Taxes and dues	22,253	24,591
Rent	40,560	37,302
Bad debt expenses	38,551	38,696
Depreciation	24,133	25,306
Amortization	20,572	26,863
Operating expenses for overseas branches	21,784	22,214
Advertising	48,323	40,425
Freight and storage expenses	68,418	69,164
Service fees	89,913	77,956
Export expenses	136,264	158,688
Entertainment	14,921	15,946
Others	96,668	109,395
	<u>₩ 1,003,612</u>	<u>₩ 1,025,169</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

**33. Other Income and Other Expenses**

Details of other income and other expenses for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Other income</b>		
Rental income	₩ 2,017	₩ 2,387
Gain on disposal of property, plant and equipment	1,746	5,396
Gain on disposal of intangible assets	-	28
Gain on disposal of investment property	1,660	-
Miscellaneous gains	47,447	46,581
Gain on derivative transactions	123	545
Gain on valuation of derivatives	-	143
Reversal of provision for impairment loss on other assets	941	129
Government grants	12,468	10,879
Dividends	422	188
Others	17	-
	<u>66,841</u>	<u>66,276</u>
<b>Other expenses</b>		
Loss on disposal of property, plant and equipment	3,377	7,353
Impairment loss on property, plant and equipment	106,582	39,188
Loss on disposal of intangible assets	36	756
Impairment loss on intangible assets	54,469	15,173
Loss on disposal of investment property	10,909	1,200
Miscellaneous losses	61,927	79,616
Donations	4,138	6,712
Other bad debt expenses	82,360	14,745
Nego fee	19,061	14,725
Loss on disposal of trade receivables	1,758	2,025
Commissions	89	21
Additional provisions for guarantees	50,505	3,476
Others	(8)	310
	<u>395,203</u>	<u>185,300</u>
	<u>₩ (328,362)</u>	<u>₩ (119,024)</u>

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

**34. Finance Income and Expenses**

Details of finance income and expenses for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
<b>Finance income</b>		
Interest income	₩ 4,557	₩ 7,310
Gain on foreign currency transactions	151,985	192,684
Gain on foreign currency translation	202,376	196,259
Gain on disposal of financial assets		
Available-for-sale financial assets	-	14,036
Gain on derivative transactions	53,263	35,923
Gain on valuation of derivatives	29,848	4,750
Others	794	-
	<u>442,823</u>	<u>450,962</u>
<b>Finance costs</b>		
Interest expenses	175,381	170,286
Loss on foreign currency transactions	154,811	248,124
Loss on foreign currency translation	135,282	218,804
Loss on disposal of financial assets		
Available-for-sale financial assets	-	222
Impairment loss on available-for-sale financial assets	17,053	1,492
Loss on derivative transactions	21,360	16,942
Loss on valuation of derivatives	5,491	24,217
	<u>509,378</u>	<u>680,087</u>
	<u>₩ (66,555)</u>	<u>₩ (229,125)</u>

The Group recognizes income and expense relating to exchange difference as finance income and expenses.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 35. Earnings per Share

Basic earnings per ordinary share for the years ended December 31, 2017 and 2016, is as follows:

<i>(in millions of Korean won, except per share amount)</i>		<b>2017</b>		<b>2016</b>
Profit attributable to equity holders of the Controlling Company	₩	325,574	₩	455,526
Weighted average number of ordinary shares in issue <sup>1</sup>		33,268,604		33,268,604
Basic earnings per share				
Basic earnings per share from continuing operations <i>(in Korean won)</i>	₩	9,786	₩	13,692

<sup>1</sup> The number of weighted average number of ordinary shares for the years ended December 31, 2017 and 2016, is 33,268,604 shares and there has been no change for the year ended December 31, 2017.

#### 36. Dividends

The dividends paid in 2017 and 2016 were ₩ 166,343 million (₩5,000 per share) and ₩ 116,440 million (₩ 3,500 per share), respectively. A dividend in respect of the year ended December 31, 2017, of ₩ 5,000 per share, amounting to total dividends of ₩ 166,343 million, is to be proposed at the annual general meeting on March 23, 2018. The consolidated financial statements do not reflect this dividend payable.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 37. Cash Generated from Operations

Details of cash generated from operations for the years ended December 31, 2017 and 2016, are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>		<b>2016</b>	
Profit before income tax	₩	382,829	₩	696,514
Adjustments for:				
Interest income and expenses, net		80,787		75,728
Loss (Gain) on foreign currency translation		(67,093)		22,337
Loss (Gain) on valuation of derivatives		(24,711)		20,036
Depreciation and amortization		664,548		623,363
Loss on disposal of property, plant, equipment, intangible assets and investment property		11,712		4,990
Impairment loss on property, plant, equipment, intangible assets, and investment property		161,043		54,361
Bad debts expense		172,036		99,527
Reversal of allowance for bad debts		(1,045)		(129)
Gain on disposal of financial assets		(18,363)		(15,091)
Impairment loss on financial assets		17,053		1,492
Dividend income		(16,761)		(13,950)
Post-employment benefits		59,204		59,230
Additional provisions adjustment		87,354		40,075
Loss on disposal of trade receivables		1,758		2,025
Gain on investments in subsidiaries and associates		(6,938)		(28,315)
Long-term employee benefits		923		1,660
Others		67,880		13,976
Changes in assets and liabilities from operations:				
Decrease (Increase) in trade receivables		(380,001)		201,719
Increase in inventories		(243,832)		(23,350)
Decrease (Increase) in other receivables		(24,773)		15,073
Increase in unbilled amount		(28,045)		(23,541)
Decrease in other financial assets		5,602		960
Increase in other assets		(27,120)		(6,888)
Increase in other financial business assets		(2,886)		(89,340)
Decrease (Increase) in cumulative effect of foreign currency translation		(210,973)		560
Increase in trade payables		411,625		102,447
Increase (Decrease) in other payables		(102,816)		257,362
Decrease in other financial liabilities		(30,225)		(19,063)
Payment of warranty expenses		(17,423)		(21,308)
Payment of post-employment benefits		(3,562)		(5,122)
Distribution to plan assets		(60,778)		(51,491)
Others		408		(1,924)
Cash generated from operations	₩	857,417	₩	1,993,923

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Changes in liabilities arising from financial activities for the year ended December 31, 2017 are as follows:

<i>(in millions of Korean won)</i>	<b>Short-term borrowings</b>	<b>Current portion of long-term borrowings</b>	<b>Debentures</b>	<b>Long-term borrowings</b>	<b>Total</b>
Beginning balance	₩ 2,738,096	₩ 1,642,329	₩ 1,227,863	₩ 1,434,308	₩ 7,042,596
Cash flows	489,452	(1,409,441)	1,187,689	271,737	539,437
Discount on bonds payable	-	-	977	-	977
Reclassification of the current portion	289,436	1,707,518	(1,253,304)	(743,650)	-
Maturity extension	(13,500)	(223,762)	-	237,262	-
Others <sup>1</sup>	(180,143)	(122,989)	2,847	(20,640)	(320,925)
Ending balance	<u>₩ 3,323,341</u>	<u>₩ 1,593,655</u>	<u>₩ 1,166,072</u>	<u>₩ 1,179,017</u>	<u>₩ 7,262,085</u>

<sup>1</sup> Others include exchange differences or changes in scope of consolidation to liabilities.

Significant transactions not affecting cash flows are as follows:

<i>(in millions of Korean won)</i>	<b>2017</b>	<b>2016</b>
Change in advance payments related to the acquisition of property, plant and equipment	₩ (3,981)	₩ (2,227)
Change in other payables related to the acquisition of property, plant and equipment	(29,313)	(25,327)
Change in other receivables related to disposal of property, plant and equipment	877	4,144
Construction-in-progress transferred to property, plant and equipment	638,298	687,665
Reclassification of the current portion of unearned revenue	987	3,176
Reclassification of the current portion of long-term deposits received	36,748	21,843
Reclassification of the current portion of debentures	1,253,304	816,800
Reclassification of the current portion of long-term borrowings	743,650	825,529



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### 38. Contingencies and Commitments

##### *(a) Notes and others provided as collaterals*

As at December 31, 2017, the Group has provided ten notes and seven checks to the customers and other as collaterals for borrowings and transaction agreements.

##### *(b) Loan agreements and others*

The Group has commitments contracted with financial institution with a limit of ₩ 6,143,839 million, including bank overdrafts, trade bill discounts, open local L/C and general loans. Also, the Group has trade receivable discount agreements with a limit of ₩ 2,169,835 million as at December 31, 2017.

##### *(c) Guarantees provided to others*

The Group has provided payment guarantees for others, amounting to ₩ 363,389 million (2016: ₩ 232,261 million) as at December 31, 2017, and the limits of the related guarantees are ₩ 572,710 million (2016: ₩ 458,512 million) as at December 31, 2017. Further, as at December 31, 2017, the Group provides joint and several guarantees of performing construction contracts amounting ₩ 3,062,719 million (2016: ₩ 3,195,726 million) in relation to the guarantees of housing distribution which developers obtained from Korea Housing & Urban Guarantee Co., Ltd.

In addition, the Group has provided a fund supplemental commitment amounting to ₩ 247,400 million (2016: ₩ 364,400 million) to Grand Sixth Ltd. and others in relation to renewable energy business such as the solar power plant project in Romania as at December 31, 2017, and recognized ₩ 98,903 million as an expense, regarding this agreement. Meanwhile, the Group has loaned ₩ 125,853 million for the execution of the fund supplement agreements related to the project, and an additional loan amounting to ₩ 209,570 million has been provided after the reporting period(Note 10). In addition, the Group has been asked to take over debt amounting to ₩ 8,804 million due to the failure of completion guarantee regarding the UK biomass business, and a lawsuit is involved regarding this matter.

Also, the Group has provided collaterals and payment guarantees for its associates, the related parties (Note 19).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### (d) Guarantees provided in relation to project financing

Details of guarantees provided by the Group to developers as at December 31, 2017 and 2016, are as follows:

(in millions of Korean won)		2017		2016
Liabilities take-over/fund supplemental commitments	₩	180,391	₩	180,391
Conditional liabilities take-over		665,000		569,000
Completion guarantee		3,973,300		3,128,000
	₩	4,818,691	₩	3,877,391

Details of guarantees provided in relation to project financing as at December 31, 2017, are as follows:

(in millions of Korean won)

Construction	Creditor	Guarantee limit	Carrying amount of borrowings	Details of guarantees	Guarantee period
Gwangju Taejeondong APT	IB	₩ 132,000	₩ 132,000	Debt take-over	2017.04~2018.04
Sunchun-si Resource Recycling Center BTO Project	Bank and insurance	48,391	39,391	Joint guarantees	2015.06~2028.12
		₩ 180,391	₩ 171,391		

The Group provides conditional liabilities take-over guarantee amounting to ₩ 454,200 million in for Urban Redevelopment Projects on the 4th Yongsan Region, Seoul and other 5 construction projects with a limit of ₩ 665,000 million. In addition, the Group has committed to fulfill the obligations to complete the responsibilities for the construction of other 28 sites including the construction of Hoehyeon station complex. The related loan balance is ₩2,228,602 million and the guarantee limits is ₩ 3,973,300 million.

**Hyosung Corporation and Subsidiaries**  
**Notes to Consolidated Financial Statements**  
**December 31, 2017 and 2016**

---

*(e) Guarantees provided by others*

Details of guarantees provided by others as at December 31, 2017, are as follows:

*(in millions of Korean won)*

<b>Guarantor</b>	<b>Collaterals and guarantees provided</b>		<b>Amount</b>
The Export-Import Bank of Korea, Woori Bank and others	Performance guarantee and others	₩	769,718
Kookmin Bank, Shinhan Bank and others	Payment guarantee in foreign currencies and others		81,562
Machinery Financial Cooperative	Performance guarantee, Warranty guarantee and others		68,118
Seoul Guarantee Insurance Company Seoul Housing and Communities Corporation, Daewoo Engineering & Construction Co.,Ltd and others <sup>1</sup>	Performance guarantee and others		24,359
Korea Construction Financial Cooperative and others	Payment guarantee in borrowing		28,677
	Construction performance and others		1,895,968

<sup>1</sup> The Group has provided certain amount of the shares in Somesevit Coporation of the subsidiaries held by the remaining shareholders (SHC Corporation, Daewoo Engineering & Construction Co.,Ltd and others) as collateral for borrowings.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### (f) Assets pledged as collaterals

Details of assets pledged as collaterals for the Group's borrowings as at December 31, 2017, are as follows: (in millions of Korean Won, in USD)

Assets pledged as collaterals	Related borrowings		Maximum credit amount		Lender
Cash, and cash equivalents	KRW	98,400	KRW	127,920	NEW STAR HAECHI INC. and others
PP&E, Intangible assets and others <sup>3</sup>	KRW	-	KRW	135,141	Committee of Creditor Banks of Chin Hung International Inc.
Available-for-sale financial assets <sup>1</sup>	USD	43,000,000	USD	43,000,000	Wells Fargo Bank
Trade receivables and others	KRW	565,535	KRW	1,794,937	Korea Development Bank, Shinhan Bank and Others
Property, plant, equipment and others	KRW	279,445	KRW	298,445	Woori Bank and Others
Trade receivables	KRW	-	KRW	3,504	Machinery Financial Cooperative
Available-for-sale financial assets	KRW	-	KRW	4,373	Construction Financial cooperative
Available-for-sale financial assets	KRW	-	KRW	10,000	JeonJu City
Property, plant, equipment <sup>2</sup>	KRW	165,000	KRW	221,000	Korea Federation Of Community Credit Cooperatives, National Credit Union Federation of Korea and Others
Cash, and cash equivalents					
Intangible assets and others					

<sup>1</sup> The equity shares of Chin Hung International Inc. amounting to ₩ 135,141 million have been provided as collateral to the Committee of Creditor Banks of Chin Hung International Inc. in accordance with the special agreement for plans for normalization of the business of Chin Hung International Inc. (Notes 11 and 19).

<sup>2</sup> The certain amount of the property, plant and equipment are provided as collateral to JeonJu City for receiving government grants.

<sup>3</sup> The claim of business Interruption Insurance for Somesevit business have been provided as collateral.

As at December 31, 2017, the Group has pledged its shares in Somesevit Corporation as collateral (with a maximum credit amount of ₩ 56,000 million) in relation to borrowings of Somesevit Corporation. Also, the Group has pledged its shares in Gongdeok Gyeongwoo Development as collateral (with a maximum credit amount of ₩ 165,000 million) in relation to borrowings of Gongdeok Gyeongwoo Development Corporation. Also, the Group has pledged its shares in Pyeongchang Wind Power Co., Ltd.(investments in associates, book value of ₩ 6,949 million) as collateral, relating to borrowings of Pyeongchang Wind Power Co., Ltd. (amount: ₩ 59,407 million). In addition, property, plant and equipment of the Group have been collateralized in relation to inventory finance of Hyosung Toyota Corp. (Notes 18, 19), Also, the Group has pledged its shares in Soonchon Eco Green Corporation (investments in associates, book value of ₩ -) as collateral (with maximum credit amount of ₩ 39,391 million) in relation to borrowing of Soonchon Eco Green Corporation (Note 19).

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

---

#### (g) Pending lawsuits

Details of pending lawsuits as at December 31, 2017, are as follows:

(in millions of Korean won)

	Number		Amount	Details of lawsuit
As a plaintiff	28	₩	74,197	Claims for cancellation of acquisition tax levy and others
As a defendant	50		138,136	Claims for damages and others

The final outcome of the above cases cannot yet be estimated at the end of the reporting period. Accordingly, no provision for potential losses arising from the claims is reflected in the accompanying financial statements.

The Group has entered into a subordinated loan agreement with borrowers including NEW STAR HAECHI INC. and New Star Luna 2nd Co.,Ltd. to borrow the amount corresponding to the withholding tax imposed on the interest income to be paid by each borrower during the term of the arrangement under the loan agreement.

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 39. Information on Non-controlling Interests

##### 39.1 Changes in Accumulated Non-controlling Interests

The profit or loss allocated to non-controlling interests and accumulated non-controlling interests of subsidiaries that are material to the Group for the years ended December 31, 2017 and 2016, is as follows:

(in millions of Korean won)

	2017					
	Non-controlling interest rate (%)	Accumulated non-controlling interests at the beginning of the year	Profit or loss allocated to non-controlling interests	Dividends paid to non-controlling interests	Others	Accumulated non-controlling interests at the end of the year
Hyosung Investment & Development Corporation	41.25	₩ 6,274	₩ (3,982)	₩ (20,130)	₩ 41,199	₩ 23,361
HanaLandchip Private Real Estate Investment Trust No.39	22.99	334	447	-	(893)	(112)
Hyosung Capital Co., Ltd.	2.85	11,440	756	-	(332)	11,864
Nautilus Hyosung Inc.	45.98	131,751	60	-	2,978	134,789
Hyosung Vietnam Co., Ltd.	11.79	52,972	13,095	-	(38,251)	27,816
Other	-	19,236	4,889	-	(12,078)	12,047
		₩ 222,007	₩ 15,265	₩ (20,130)	₩ (7,377)	₩ 209,765

(in millions of Korean won)

	2016					
	Non-controlling interest rate (%)	Accumulated non-controlling interests at the beginning of the year	Profit or loss allocated to non-controlling interests	Dividends paid to non-controlling interests	Others	Accumulated non-controlling interests at the end of the year
Hyosung Investment & Development Corporation	41.25	₩ 30,328	₩ (4,821)	₩ (18,480)	₩ (753)	₩ 6,274
HanaLandchip Private Real Estate Investment Trust No.39	22.99	(113)	447	-	-	334
Hyosung Capital Co., Ltd.	2.85	10,958	232	-	250	11,440
Nautilus Hyosung Inc.	45.98	128,703	5,928	-	(2,880)	131,751
Hyosung Vietnam Co., Ltd.	11.79	29,938	18,040	-	4,994	52,972
Other	-	14,041	50	-	5,145	19,236
		₩ 213,855	₩ 19,876	₩ (18,480)	₩ 6,756	₩ 222,007

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 39.2 Summarized Financial Information on Subsidiaries

The summarized financial information for each subsidiary with non-controlling interests that are material to the Group before inter-company eliminations is as follows.

Summarized statements of financial position as at December 31, 2017 and 2016, are as follows:

	2017					
	Hyosung Investment & Development Corporation <sup>1</sup>	HanaLandchip Private Real Estate Investment Trust No.39	Hyosung Capital Co., Ltd.	Nautilus Hyosung Inc.	Hyosung Vietnam Co., Ltd.	
(in millions of Korean won)	₩	₩	₩	₩	₩	
Current assets	2,171	1,050	222,574	355,561	335,297	
Non-current assets	58,241	190,890	2,482,796	257,077	445,573	
Current liabilities	3,987	159,950	1,404,209	328,793	465,626	
Non-current liabilities	2,790	-	899,188	159	750	
Equity	53,635	31,990	401,973	283,686	314,494	

  

	2016					
	Hyosung Investment & Development Corporation <sup>1</sup>	HanaLandchip Private Real Estate Investment Trust No.39	Hyosung Capital Co., Ltd.	Nautilus Hyosung Inc.	Hyosung Vietnam Co., Ltd.	
(in millions of Korean won)	₩	₩	₩	₩	₩	
Current assets	12,231	1,054	161,710	330,611	380,133	
Non-current assets	58,683	190,890	2,315,813	228,475	586,311	
Current liabilities	6,082	9,950	740,020	281,515	528,176	
Non-current liabilities	2,804	150,000	1,350,440	957	55,511	
Equity	62,027	31,994	387,064	276,614	382,757	

<sup>1</sup>Non-consolidated financial statements

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Summarized statements of comprehensive income for the years ended December 31, 2017 and 2016, are as follows:

		2017				
<i>(in millions of Korean won)</i>		<b>Hyosung Investment &amp; Development Corporation<sup>1</sup></b>	<b>HanaLandchip Private Real Estate Investment Trust No.39</b>	<b>Hyosung Capital Co., Ltd.</b>	<b>Nautilus Hyosung Inc.</b>	<b>Hyosung Vietnam Co., Ltd.</b>
Revenue	₩	1,050	₩ 8,087	₩ 222,286	₩ 605,005	₩ 1,224,618
Profit for the year		40,563	1,943	26,532	7,069	108,650
Other comprehensive income (expenses)		(154)	-	(11,623)	16	(39,934)
Total comprehensive income	₩	40,409	₩ 1,943	₩ 14,909	₩ 7,085	₩ 68,716
		2016				
<i>(in millions of Korean won)</i>		<b>Hyosung Investment &amp; Development Corporation<sup>1</sup></b>	<b>HanaLandchip Private Real Estate Investment Trust No.39</b>	<b>Hyosung Capital Co., Ltd.</b>	<b>Nautilus Hyosung Inc.</b>	<b>Hyosung Vietnam Co., Ltd.</b>
Revenue	₩	544	₩ 8,065	₩ 189,467	₩ 693,424	₩ 1,131,331
Profit for the year		38,127	1,945	8,157	25,998	148,795
Other comprehensive income (expenses)		(1,823)	-	8,753	(1,681)	21,132
Total comprehensive income	₩	36,304	₩ 1,945	₩ 16,910	₩ 24,317	₩ 169,927

<sup>1</sup>Non-consolidated financial statements



# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

Summarized statements of cash flows for the years ended December 31, 2017 and 2016, are as follows:

	2017				
	Hyosung Investment & Development Corporation <sup>1</sup>	HanaLandchip Private Real Estate Investment Trust No.39	Hyosung Capital Co., Ltd.	Nautilus Hyosung Inc.	Hyosung Vietnam Co., Ltd.
<i>(in millions of Korean won)</i>					
Cash flows from operating activities	₩ 38,827	₩ 1,944	₩ (134,150)	₩ 54,305	₩ 195,676
Cash flows from investing activities	9,912	-	(53,622)	(46,197)	34,008
Cash flows from financing activities	(48,752)	(1,946)	232,108	46,634	(221,921)
Net increase (decrease) in cash and cash equivalents	(13)	(2)	44,336	54,742	7,763
Cash and cash equivalents at the beginning of year	141	670	121,256	45,810	8,444
Cash and cash equivalents at the end of year	₩ 128	₩ 668	₩ 165,592	₩ 100,552	₩ 16,207

  

	2016				
	Hyosung Investment & Development Corporation <sup>1</sup>	HanaLandchip Private Real Estate Investment Trust No.39	Hyosung Capital Co., Ltd.	Nautilus Hyosung Inc.	Hyosung Vietnam Co., Ltd.
<i>(in millions of Korean won)</i>					
Cash flows from operating activities	₩ 41,641	₩ 1,971	₩ (36,831)	₩ 108,849	₩ 268,503
Cash flows from investing activities	3,080	-	(57,298)	(15,588)	(36,980)
Cash flows from financing activities	(44,800)	(1,934)	47,423	(108,509)	(230,712)
Net increase (decrease) in cash and cash equivalents	(79)	37	(46,706)	(15,248)	811
Cash and cash equivalents at the beginning of year	221	633	167,962	61,057	7,633
Cash and cash equivalents at the end of year	₩ 142	₩ 670	₩ 121,256	₩ 45,809	₩ 8,444

<sup>1</sup>Non-consolidated financial statements

# Hyosung Corporation and Subsidiaries

## Notes to Consolidated Financial Statements

### December 31, 2017 and 2016

#### 40. Unconsolidated Structured Entities

The nature of business unconsolidated structured entities as at December 31, 2017 and 2016, are as follows:

<b>Purpose of establishment</b>		<b>Method of financing</b>	<b>2017</b>	<b>2016</b>
<i>(in millions of Korean won)</i>	<b>and activities</b>			
Investment fund and investment trust	Enforcement of investment and profit sharing	Issuance of equity shares	₩ 3,182,494	₩ 2,672,663
Mortgage loan	Investment and in real property and collection through sales	Issuance of equity shares and borrowings	1,816,552	1,316,904
Securitization of assets	Securitization and collection of assets	Issuance of ABL and ABCP	349,610	90,829
Investment in vessels	Investment in vessels and profit sharing	Issuance of equity shares and borrowings	19,830	29,080

The risk of interest in unconsolidated structured entities as at December 31, 2017 and 2016, are as follows:

*(in millions of Korean won)*

<b>2017</b>	<b>Book value of available-for-sale financial assets</b>	<b>Book value of receivables</b>	<b>Total</b>
Investment fund and investment trust	₩ 200,703	₩ -	₩ 200,703
Mortgage loan	-	101,856	101,856
Securitization of assets	-	45,462	45,462
Investment in vessels	-	9,742	9,742

*(in millions of Korean won)*

<b>2016</b>	<b>Book value of available-for-sale financial assets</b>	<b>Book value of receivables</b>	<b>Total</b>
Investment fund and investment trust	₩ 145,280	₩ -	₩ 145,280
Mortgage loan	-	117,986	117,986
Securitization of assets	-	5,000	5,000
Investment in vessels	-	9,158	9,158

Maximum exposure to loss on interest in unconsolidated structured entities as at December 31, 2017 and 2016, is equal to the book amount.

# **Hyosung Corporation and Subsidiaries**

## **Notes to Consolidated Financial Statements**

### **December 31, 2017 and 2016**

---

#### **41. Restatement of Prior Year Financial Statements**

The Group restated its prior year consolidated financial statements to correct the understatement of impairment losses on available-for-sale financial assets as at December 31, 2013. As a result, the retained earnings and other comprehensive income as at December 31, 2016, decreased and increased respectively by ₩ 24,403 million and there is no impact on the prior year's consolidated statement of profit or loss.

#### **42. Events After the Reporting Period**

##### **42.1 Spin-off**

In order to secure competitiveness of each business division and to strengthen its expertise, the Group will be divided into the Fabric and Trading business, the Heavy industrial and Construction business, the Industrial materials business and the Chemical business. The date of spin-off will be June 1, 2018. After the spin-off, the existing spin-off company, Hyosung Corporation, will remain as a listed corporation on the securities market and the new spin-off company will also be established as a listed corporation.

##### **42.2 Establishment of new corporation**

The Group decided to establish the new corporation in Vietnam (amount to be invested ₩196,164 million) to grow as the Global PP Maker by establishing a PP batch production system in accordance with the resolution by the Board of Directors held on February 6, 2018.