Hyosung Chemical Corporation and Subsidiary

Consolidated Financial Statements December 31, 2021 and 2020

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Independent Auditor's Report

(English Translation of a Report Originally Issued in Korean)

To the Board of Directors of and Shareholders of Hyosung Chemical Corporation

Opinion

We have audited the accompanying consolidated financial statements of Hyosung Chemical Corporation and its subsidiary (collectively referred to as the "Group") which comprise the consolidated statements of financial position as at December 31, 2021 and 2020, 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.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of Hyosung Chemical Corporation and its subsidiary as at December 31, 2021 and 2020, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with International Financial Reporting Standards as adopted by the Republic of Korea (Korean IFRS).

Basis for Opinion

We conducted our audits in accordance with Korean Standards on Auditing. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Consolidated Financial Statements* section of our report. We are independent of the Group in accordance with the ethical requirements of the Republic of Korea that are relevant to our audit of the consolidated financial statements and we have fulfilled our other ethical responsibilities in accordance with the ethical requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Emphasis of Matter

Without modifying our opinion, we draw attention to Note 3 to the consolidated financial statements of the Group. Note 3 to the consolidated financial statements describes uncertainty relating to the impact of Coronavirus disease 2019 (COVID-19) on the Group's productivity and ability to satisfy customer's orders, and to solve these events or circumstances.

Key Audit Matter

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our 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.

(1) Impairment assessment on cash-generating units

Why we determined this matter as Key Audit Matter

A cash generating unit (CGU) is tested for impairment if events or changes in circumstances indicate that it might be impaired. 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 of disposal and value in use.

The Group determined that there is an indication of asset impairment in POK(POLYKETONE) segment's CGU. We focused on this area due to the significant size of this CGU and because the assessment of the 'value in use' of the Group's CGU involves management's judgements on the future results of the business and on the discount rates applied to future cash flow forecast. The Group engaged an independent external expert to assist the Group in valuation of the fair value of the POK(POLYKETONE) segment's CGU.

How our audit addressed the Key Audit Matter

Key audit procedures we have performed in relation to the impairment assessment on the CGU are as follows:

- We evaluated the appropriateness of determination of the CGU of the Group and the book amount of the CGU.

- We evaluated the independence and eligibility of the external expert hired by the Group to assess the value in use.

- We evaluated the adequacy of the valuation model used in estimating value in use.
- We confirmed the consistency of the cash flow forecasts and the approved forecasts by management.
- We compared current year actual results with the prior year forecast.
- We evaluated the reasonableness of key assumptions used in estimating value in use.
- We examined the accuracy of value in use calculations.

Other Matters

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

Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

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

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations.

Those charged with governance are responsible for overseeing the Group's financial reporting process.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Korean Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with Korean Standards on Auditing, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit 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.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease

to continue as a going concern.

- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the Group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner on the audit resulting in this independent auditor's report is Youngseok Bae, Certified Public Accountant.

Seoul, Korea March 8, 2022

This report is effective as of March 8, 2022, 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.

Hyosung Chemical Corporation and Subsidiary Consolidated Statements of Financial Position December 31, 2021 and 2020

(in Korean won)	Notes	2021	2020
Assets			
Current assets			
Cash and cash equivalents	4,8,9	₩ 34,797,251,561	₩ 10,181,377,491
Trade and other receivables	4,7,8,11	327,974,480,633	222,338,573,348
Other financial assets	4,5,8,12	756,420,271	54,023,757,848
Other current assets	13	33,081,937,710	6,043,720,153
Other intangible assets	17	7,343,879	-
Inventories	14	401,004,350,414	143,161,585,501
		797,621,784,468	435,749,014,341
Non-current assets			
Long-term trade and other receivables	4,8,11	3,408,717,260	3,467,217,642
Property, plant and equipment	15,16,18,38	2,188,121,887,709	1,923,347,651,339
Intangible assets	17	33,970,502,392	23,126,250,265
Investments in associates	19	16,188,675,846	15,715,666,399
Other non-current financial assets	4,5,8,10,12	1,042,817,499	916,741,656
Other non-current assets	13,23	5,217,087,277	5,685,506,136
Deferred tax assets	24	10,631,926,966	9,356,986,691
		2,258,581,614,949	1,981,616,020,128
Total assets		₩ 3,056,203,399,417	₩ 2,417,365,034,469
Liabilities			
Current liabilities			
Trade and other payables	4,8,21	₩ 438,810,249,618	₩ 295,090,408,141
Borrowings	4,7,8,22,38	582,591,694,757	303,763,960,039
Other financial liabilities	8,12,16	4,250,708,286	4,107,228,508
Current tax liabilities	24	39,421,732,107	15,735,276,890
Other current liabilities	25,39	18,089,532,599	8,841,258,751
		1,083,163,917,367	627,538,132,329
Non-current liabilities			
Long-term trade and other payables	4,8,21	13,269,714,535	13,185,579,107
Long-term borrowings	4,8,22,38	1,437,382,100,580	1,356,428,635,032
Other non-current financial liabilities	8,12,16	7,637,639,449	10,726,160,469
Other non-current liabilities	25	13,295,302,650	7,133,398,082
		1,471,584,757,214	1,387,473,772,690
Total liabilities		2,554,748,674,581	2,015,011,905,019
Equity			
Share capital	26	15,950,630,000	15,950,630,000
Share premium		327,697,938,702	327,697,938,702
Retained earnings	27	138,223,210,823	67,606,964,768
Other components of equity	28	19,582,945,311	(8,902,404,020)
Equity attributable to owners of the Parent Company		501,454,724,836	402,353,129,450
Non-controlling interest		-	-
Total equity		501,454,724,836	402,353,129,450

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

Hyosung Chemical Corporation and Subsidiary Consolidated Statements of Profit or Loss Years Ended December 31, 2021 and 2020

(in Korean won)	Notes	2021	2020
Revenue	6,20,29	₩ 2,452,990,221,917	₩ 1,817,189,980,493
Cost of sales	20,30,31	2,203,715,657,379	1,664,136,962,492
Gross profit		249,274,564,538	153,053,018,001
Selling, general and administrative expenses Research and development expenses	30,31,32 30,31	78,919,257,707 21,782,796,209	71,922,307,554
Operating profit		148,572,510,622	60,927,548,911
Other income Other expenses Finance income Finance expenses Share of net profit of associates accounted for using the equity method Profit before income tax Income tax expense Profit (loss) for the year	33 33 34 34 24	7,430,881,227 3,066,998,233 31,025,551,826 69,917,154,387 <u>325,813,059</u> 114,370,604,114 <u>43,956,293,060</u> ₩ 70,414,311,054	7,007,583,184 17,879,224,228 47,307,607,380 95,611,415,800 1,669,254,074 3,421,353,521 15,037,841,449 ₩ (11,616,487,928)
Profit (loss) is attributable to: Owners of the Parent Company Non-controlling interests Earnings (loss) per share attributable to		₩ 70,414,311,054	₩ (11,616,487,928) ₩ (11,616,487,928)
the equity holders of the Parent Company Basic earnings (loss) per share	35	₩ 22,158	₩ (3,656)

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

Hyosung Chemical Corporation and Subsidiary Consolidated Statements of Comprehensive Income Years Ended December 31, 2021 and 2020

(in Korean won)	Notes		2021		2020
Profit (loss) for the year		₩	70,414,311,054	₩	(11,616,487,928)
Other comprehensive income (loss)					
Items that will not be reclassified to profit or loss					
Remeasurements of net defined benefit liabilities	23,24		113,111,724		(3,075,121,630)
Share of remeasurements of net defined benefit liabilities of associates	19		143,655,690		12,694,357
Gain on valuation of financial assets at fair value through other comprehensive income	12		11,642,880		-
Items that may be subsequently reclassified to profit or loss					
Share of other comprehensive income (loss) of associates			294,895,697		(22,995,643)
Overseas operations translation gain (loss)			28,123,978,341		(21,764,424,628)
Other comprehensive income (loss) for the year, net of tax			28,687,284,332		(24,849,847,544)
Total comprehensive income (loss) for the year		₩	99,101,595,386	₩	(36,466,335,472)
Total comprehensive income (loss) for the year is attributable to:					
Owners of the Parent Company		₩	99,101,595,386	₩	(36,466,335,472)
Non-controlling interest			-		-
		₩	99,101,595,386	₩	(36,466,335,472)

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

Image: bit with the part of the par	(in Korean won)		Attributable to owners of the Parent Company												
Total comprehensive income Loss for the year - (11,616,487,928) - (11,616,487,928) - (11,616,487,928) Remeasurements of net defined benefit liabilities of associates - (3,075,121,630) - (12,694,357) Share of other comprehensive income(loss) of associates - - (22,995,643) (22,995,643) - (22,995,643) Over sees operations translation loss - - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,628) - (21,764,424,62			Share capital		Share premium				Components		Total	No	•		
Loss for the year-(11,616,487,928)-(11,616,487,928)-(11,616,487,928)-(11,616,487,928)Remeasurements of net defined benefit liabilities(3,075,121,630)-(3,075,121,630)-(3,075,121,630)Share of ther comprehensive income(loss) of associates12,694,357-12,694,357-12,694,357Share of ther comprehensive income(loss) of associates(22,995,643)-(22,995,643)-(22,995,643)-(22,995,643)Annual dividends(15,888,975,000)-(15,888,975,000)-(15,888,975,000)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)-(21,764,424,628)(21,764,424,628)(21,764,424,628)(21,764,424,628)(21,764,424,628)(21,764,424,628)(21,764,42	•	₩	15,950,630,000	₩	327,697,938,702	₩	98,174,854,969	₩	12,885,016,251	₩	454,708,439,922	₩	-	₩	454,708,439,922
Share of other comprehensive income(loss) of associatesIntroduct of the comprehensive income(loss) of associatesIntroduct of the comprehensive income(loss) of associatesShare of other comprehensive income(loss) of associates(22,995,643)(22,995,643)-(22,995,643)Annual dividends(15,888,975,000)-(15,888,975,000)-(15,888,975,000)-(15,888,975,000)Overseas operations translation loss(21,764,424,628)-(21,764,424,628)-(21,764,424,628)Balance at December 31, 2020W15,950,630,000W327,697,938,702W67,606,964,768W(8,902,404,020)W402,353,129,450Total comprehensive incomeW15,950,630,000W327,697,938,702W67,606,964,768W(8,902,404,020)W402,353,129,450Profit for the year70,414,311,054-70,414,311,054-70,414,311,054-Remeasurements of net defined benefit liabilities of associates113,111,724-113,111,724113,111,724Share of other comprehensive income113,655,690-1143,655,690-143,655,690-143,655,690143,656,697Gain on valuation of financial assets at fair value through other comprehensive income114,624,88011,642,880114,642,880143,655,697Overseas operations translation gain <td>Loss for the year</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td> ,</td> <td></td> <td>-</td> <td></td> <td></td>	Loss for the year		-						-		,		-		
Overseas operations translation loss(21,764,424,628)-(21,764,424,628)Balance at December 31, 2020 $star 15,950,630,000$ $star 14,02,353,129,450$ $star 14,02,353,129,450$ Profit for the year(21,764,424,628) $star 1,054$ - $star 14,311,054$ - $star 14,311,054$ - $star 14,311,054$ - $star 14,311,054$ (21,764,424,628) $star 14,311,054$ $ aise 14,311,054$ $ aise 14,311,054$ $ aise 14,311,054$ $ aise 14,3,655,690$ 143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-14,642,880-11,642,880-11,642,880-11,642,880 </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>12,694,357</td> <td></td> <td>- (22,995,643)</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>			-				12,694,357		- (22,995,643)				-		
Balance at January 1, 2021 W 15,950,630,000 W 327,697,938,702 W 67,606,964,768 W (8,902,404,020) W 402,353,129,450 Total comprehensive income Profit for the year - - 70,414,311,054 - 70,414,311,054 - 70,414,311,054 Remeasurements of net defined benefit liabilities - - 113,111,724 - 113,111,724 - 113,111,724 Share of remeasurements of net defined benefit liabilities of associates - - 143,655,690 - 143,655,690 - 143,655,690 - 143,655,690 - 11,642,880 - 11,642,880 - 11,642,880 - 294,895,697 - 294,895,697 - 28,123,978,341 - 28,123,978,341 - 28,123,978,341 - 28,123,978,341 - 28,123,978,341			-		-		(15,888,975,000)		(21,764,424,628)		,		-		
Total comprehensive income-70,414,311,054-70,414,311,054-70,414,311,054Profit for the year113,111,724-113,111,724-113,111,724Remeasurements of net defined benefit liabilities of associates143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-143,655,690-116,42,88011,642,880-11,642,88011,642,880-11,642,880-11,642,880-11,642,880-11,642,880-11,642,880-294,895,697-294,895,697-294,895,697-294,895,697-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341-28,123,978,341- <t< td=""><td>Balance at December 31, 2020</td><td>₩</td><td>15,950,630,000</td><td>₩</td><td>327,697,938,702</td><td>₩</td><td>67,606,964,768</td><td>₩</td><td>(8,902,404,020)</td><td>₩</td><td>402,353,129,450</td><td>₩</td><td>-</td><td>₩</td><td>402,353,129,450</td></t<>	Balance at December 31, 2020	₩	15,950,630,000	₩	327,697,938,702	₩	67,606,964,768	₩	(8,902,404,020)	₩	402,353,129,450	₩	-	₩	402,353,129,450
Remeasurements of net defined benefit liabilities - 113,111,724 - 113,111,724 - 113,111,724 - 113,111,724 - 113,111,724 - 113,111,724 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 - 113,000 -		₩	15,950,630,000	₩	327,697,938,702	₩	67,606,964,768	₩	(8,902,404,020)	₩	402,353,129,450	₩	-	₩	402,353,129,450
Share of remeasurements of net defined benefit liabilities of associates-143,655,690-143,655,690-143,655,690Gain on valuation of financial assets at fair value through other comprehensive income11,642,88011,642,880-11,642,880Share of other comprehensive income(loss) of associates(54,832,413)349,728,110294,895,697-294,895,697Overseas operations translation gain28,123,978,34128,123,978,341-28,123,978,341			-		-		-7 7- 7		-				-		
Gain on valuation of financial assets at fair value through other comprehensive income11,642,880-11,642,880Share of other comprehensive income(loss) of associates(54,832,413)349,728,110294,895,697-294,895,697Overseas operations translation gain28,123,978,34128,123,978,341-28,123,978,341			-		-		-, ,		-				-		
Share of other comprehensive income(loss) of associates - - (54,832,413) 349,728,110 294,895,697 - 294,895,697 Overseas operations translation gain 28,123,978,341 28,123,978,341 28,123,978,341			-		-		143,655,690		-				-		
Overseas operations translation gain 28,123,978,341 28,123,978,341	о́ ,	е	-		-		-				1- 1		-		1- 1
			-		-		(54,832,413)						-		
	Balance at December 31, 2021	₩	15,950,630,000	₩	327,697,938,702	₩	- 138,223,210,823	₩	19,582,945,311	₩	501,454,724,836	₩		₩	, , ,

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

Hyosung Chemical Corporation and Subsidiary Consolidated Statements of Cash Flows Years Ended December 31, 2021 and 2020

(in Korean won)	Note		2021	2020
Cash flows from operating activities				
Cash generated from operations	37	₩	124,163,508,044	₩ 234,515,319,807
Income taxes paid			(21,544,778,118)	(23,437,491,883)
Interest paid			(34,393,704,208)	(43,139,203,419)
Interest received			149,260,016	179,930,147
Dividends received			291,355,000	222,311,350
Net cash inflow from operating activities			68,665,640,734	168,340,866,002
Cash flows from investing activities				
Decrease in short-term guarantees			1,000,000,000	203,165,053
Collection of long-term loans			243,642,518	237,306,430
Decrease in long-term guarantees			253,704,104	446,618,065
Proceeds from disposal of short-term financial instruments			54,917,189,313	1,657,576,417
Proceeds from disposal of derivative financial assets			27,963,676	8,809,605,173
Proceeds from disposal of long-term financial instruments			-	487,400,000
Proceeds from disposal of property, plant and equipment			295,745,770	201,847,336
Proceeds from disposal of intangible assets			1,200,000,000	
Receipt of government grants			346,468,089	
Increase in short-term guarantees			(311,055,766)	
Increase in long-term loans			(340,000,000)	(740,066,434)
Increase in long-term guarantees			(67,901,844)	(287,708,200
Payments for short-term financial instruments			-	(852,500,029)
Increase in prepaid expenses			(22,497,538,129)	(3,852,609,000
Payments for property, plant and equipment			(328,270,453,977)	(555,757,980,514
Payments for intangible assets			(13,405,907,799)	(123,047,781
Payments for investments in associates			-	(3,541,386,756
Payments for derivative financial liabilities			(729,070,682)	(426,672,760)
Payments for financial assets at fair value through other comprehensive income			(103,158,000)	
Net cash outflow from investing activities			(307,440,372,727)	(553,538,453,000
Cash flows from financing activities				
Proceeds from short-term borrowings			1,411,384,020,028	2,580,781,860,816
Proceeds from long-term borrowings			282,864,728,900	440,228,889,320
Proceeds from issuance of bonds			20,867,968	193,345,846,994
Repayments of short-term borrowings			(1,274,041,282,004)	(2,423,501,475,679
Repayments of long-term borrowings			(12,500,000,000)	(220,540,000,000)
Repayments of bonds			(98,000,000,000)	(120,000,000,000)
Repayments of current portion of borrowings			(43,614,540,000)	(74,275,260,000
Payments of dividends			-	(15,888,975,000)
Repayments of lease liabilities			(3,428,140,924)	(3,390,683,041
Net cash inflow from financing activities			262,685,653,968	356,760,203,410
Effects of exchange rate changes on cash and cash equivalents			704,952,095	(7,440,319,694
Net increase (decrease) in cash and cash equivalents			24,615,874,070	(35,877,703,282
Cash and cash equivalents at the beginning of the year			10,181,377,491	46,059,080,773
Cash and cash equivalents at the end of the year		₩	34,797,251,561	₩ 10,181,377,491

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

1. General Information

Hyosung Chemical Corporation (the "Company") and its subsidiary (collectively referred to as the "Group") was spun off on June 1, 2018, from Hyosung Corporation to engage in chemical related business.

As at December 31, 2021, the Company has plants in Yongyeon, Gumi, Oksan and Daejeon, etc. In addition, the Company has a subsidiary in Vietnam.

As at December 31, 2021, the Group's major shareholders are as follows:

	Number of shares	Percentage of ownership (%)
Hyosung Corporation	643,481	20.17
Seok-Rae Cho	213,849	6.70
Hyun-Joon Cho	279,355	8.76
Hyun-Sang Cho	233,663	7.32
Gwang-Ja Song	23,445	0.73
Yang-Rae Cho, etc.	5,193	0.08
Others	1,778,809	55.76
Treasury shares	12,331	0.39
	3,190,126	100.00

1.1 Consolidated Subsidiary

Details of the consolidated subsidiary as at December 31, 2021 and 2020, are as follows:

		Ownership held by the (%)			
	Location	2021	2020	Closing month	Main business
Hyosung Vina Chemicals Co., Ltd.	Vietnam	100	100	December	Manufacturing PP/DH

1.2 Summarized Financial Information of Consolidated Subsidiary

Summarized financial information of consolidated subsidiary as at and for the years ended December 31, 2021 and 2020, is as follows:

(in millions of Korean won)			2	021		
Subsidiary	Assets	Liabilities	Equity	Sales	Loss for the year	Total comprehensive loss
Hyosung Vina Chemicals Co., Ltd.	₩ 1,844,696	₩ 1,550,802 ₩	4 293,894	₩ 345,048	3 ₩ (60,504)	₩ (32,380)

(in millions of Korean won)			2020)		
Subsidiary	Assets	Liabilities	Equity	Sales	Loss for the year	Total comprehensive loss
Hyosung Vina Chemicals Co., Ltd.	₩ 1,255,294	₩ 929,020 ₩	326,274 ₩	176,680	₩ (54,395)	₩ (80,184)

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 consolidated financial statements have been prepared on a historical cost basis, except for the following:

- Certain financial assets and liabilities (including derivative instruments), certain classes of property, plant and equipment and investment property measured at fair value
- · assets held for sale measured at fair value less costs to sell, and
- · defined benefit pension plans plan assets measured at fair value

The preparation of consolidated financial statements requires the use of critical accounting estimates. Management also needs to exercise judgement in 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.

2.2 Changes in Accounting Policies and Disclosures

2.2.1 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, 2021.

(a) Amendments to Korean IFRS 1116 Lease – Practical expedient for COVID-19 - Related Rent Concessions

As a practical expedient, a lessee may elect not to assess whether a rent concession occurring as a direct consequence of the COVID-19 pandemic is a lease modification. A lessee that makes this election shall account for any change in lease payments resulting from the rent concession the same way it would account for the change applying this Standard if the change were not a lease modification. The amendment does not have a significant impact on the financial statements.

(b) Amendments to Korean IFRS 1109 Financial Instruments, Korean IFRS 1039 Financial Instruments: Recognition and Measurement, Korean IFRS 1107 Financial Instruments: Disclosure, Korean IFRS 1104 Insurance Contracts and Korean IFRS 1116 Lease – Interest Rate Benchmark Reform (Phase 2 amendments)

In relation to interest rate benchmark reform, the amendments provide exceptions including adjust effective interest rate instead of book amounts when interest rate benchmark of financial instruments at amortized costs is replaced, and apply hedge accounting without discontinuance although the interest rate benchmark is replaced in hedging relationship. The amendment does not have a significant impact on the financial statements.

2.2.2 New standards and interpretations not yet adopted by the Group

The following new accounting standards and interpretations have been published that are not mandatory for December 31, 2021 reporting periods and have not been early adopted by the Group.

(a) Amendments to Korean IFRS 1103 Business Combination – Reference to the Conceptual Framework

The amendments update a reference of definition of assets and liabilities to be recognized in a business combination in revised Conceptual Framework for Financial Reporting. However, the amendments add an exception for the recognition of liabilities and contingent liabilities within the scope of Korea IFRS 1037 *Provisions, Contingent Liabilities and Contingent Assets*, and Korean IFRS 2121 *Levies.* The amendments also clarifies that contingent assets should not be recognized at the acquisition date. The amendments should be applied for annual periods beginning on or after January 1, 2022, and earlier application is permitted. The Group does not expect that these amendments have a significant impact on the financial statements.

(b) Amendments to Korean IFRS 1016 Property, Plant and Equipment - Proceeds before intended use

The amendments prohibit an entity from deducting from the cost of an item of property, plant and equipment any proceeds from selling items produced while the entity is preparing the asset for its

intended use. Instead, the entity will recognize the proceeds from selling such items, and the costs of producing those items, in profit or loss. The amendments should be applied for annual periods beginning on or after January 1, 2022, and earlier application is permitted. The Group is in review for the impact of these amendments on the financial statements.

(c) Amendments to Korean IFRS 1037 Provisions, Contingent Liabilities and Contingent Assets -Onerous Contracts: Cost of Fulfilling a Contract

The amendments clarify that the direct costs of fulfilling a contract include both the incremental costs of fulfilling the contract and an allocation of other costs directly related to fulfilling contracts when assessing whether the contract is onerous. The amendments should be applied for annual periods beginning on or after January 1, 2022, and earlier application is permitted. The Group does not expect that these amendments have a significant impact on the financial statements.

(d) Amendments to Korean IFRS 1001 Presentation of Financial Statements - Classification of Liabilities as Current or Non-current

The amendments clarify that liabilities are classified as either current or non-current, depending on the substantive rights that exist at the end of the reporting period. Classification is unaffected by the likelihood that an entity will exercise right to defer settlement of the liability or the expectations of management. Also, the settlement of liability includes the transfer of the entity's own equity instruments, however, it would be excluded if an option to settle them by the entity's own equity instruments if compound financial instruments is met the definition of equity instruments and recognized separately from the liability. The amendments should be applied for annual periods beginning on or after January 1, 2023, and earlier application is permitted. The Group is in review for the impact of these amendments on the financial statements.

(e) New Standard: Korean IFRS 1117 Insurance Contract

Korean IFRS 1117 *Insurance Contracts* replaces Korean IFRS 1104 *Insurance Contracts*. This Standard estimates future cash flows of an insurance contract and measures insurance liabilities using discount rates applied with assumptions and risks at the measurement date. The entity recognizes insurance revenue on an accrual basis including services (insurance coverage) provided to the policyholder by each annual period. In addition, investment components (Refunds due to termination/maturity) repaid to a policyholder even if an insured event does not occur, are excluded from insurance revenue, and insurance financial income or expense and the investment income or expense are presented separately to enable users of the information to understand the sources of income or expenses. This Standard should be applied for annual periods beginning on or after January 1, 2023, and earlier application is permitted for entities that applied Korean IFRS 1109 *Financial Instruments*. The Group is in review for the impact of this new standard on the financial statements.

(f) Korean IFRS 1001 Presentation of Financial Statements - Disclosure of Accounting Policies

The amendments to Korean IFRS 1001 define and require entities to disclose their material accounting policies. The IASB amended IFRS Practice Statement 2 *Disclosure of Accounting Policies* to provide guidance on how to apply the concept of materiality to accounting policy disclosures.

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The amendments should be applied for annual periods beginning on or after January 1, 2023, and earlier application is permitted. The Group is in review for the impact of these amendments on the financial statements.

(g) Korean IFRS 1008 Accounting policies, changes in accounting estimates and errors - Definition of Accounting Estimates

The amendments define accounting estimates and clarify how to distinguish them from changes in accounting policies. The amendments should be applied for annual periods beginning on or after January 1, 2023, and earlier application is permitted. The Group does not expect that these amendments have a significant impact on the financial statements

(h) Korean IFRS 1012 Income Taxes - Deferred Tax related to Assets and Liabilities arising from a Single Transaction

The amendments include an additional condition to the exemption to initial recognition of an asset or liability that a transaction does not give rise to equal taxable and deductible temporary differences at the time of the transaction. The amendments should be applied for annual periods beginning on or after January 1, 2023, and earlier application is permitted. The Group is in review for the impact of these amendments on the financial statements.

(i) Annual improvements to Korean IFRS 2018-2020

Annual improvements of Korean IFRS 2018-2020 Cycle should be applied for annual periods beginning on or after January 1, 2022, and earlier application is permitted. The Group does not expect that these amendments have a significant impact on the financial statements.

- Korean IFRS 1101 First time Adoption of Korean International Financial Reporting Standards
 Subsidiaries that are first-time adopters
- Korean IFRS 1109 *Financial Instruments* Fees related to the 10% test for derecognition of financial liabilities
- · Korean IFRS 1116 *Leases* Lease incentives
- · Korean IFRS 1041 Agriculture Measuring fair value

(j) Amendment to Korean IFRS 1116 - Covid-19 - Related Rent Concessions beyond June 30, 2021

The application of the practical expedient, a lessee may elect not to assess whether a rent concession occurring as a direct consequence of the COVID-19 pandemic is a lease modification, is extended to lease payments originally due on or before June 30, 2022. The amendment should be applied for annual periods beginning on or after April 1, 2021, and earlier application is permitted. The Group does not expect that these amendments have a significant impact on the financial statements.

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 an entity when the Group is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power to direct the activities of the entity. Subsidiaries are fully consolidated from the date on which control is transferred to the Group. They are deconsolidated from the date that control ceases. When the Group ceases to consolidate for a subsidiary because of a loss of control, any retained interest in the subsidiary is remeasured to its fair value with the changed in carrying amount recognized in profit or loss.

The acquisition method of accounting is used to account for business combinations by the Group. 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 measured initially at their fair values at the acquisition date. The Group recognizes any non-controlling interest in the acquired entity on an acquisition-by-acquisition basis either at fair value or at the non-controlling interest's proportionate share of the acquired entity's net identifiable assets. All other non-controlling interests are measured at fair values, unless otherwise required by other standards. Acquisition-related costs are expensed as incurred.

The excess of consideration transferred, amount of any non-controlling interest in the acquired entity and acquisition-date fair value of any previous equity interest in the acquired entity over the fair value of the net identifiable assets acquired is recoded as goodwill. If those amounts are less than the fair value of the net identifiable assets of the business acquired, the difference is recognized directly in the profit or loss as a bargain purchase.

Intercompany transactions, balances and unrealized gains on transactions between group companies are eliminated. Unrealized losses are also eliminated unless the transaction provides evidence of an impairment of the transferred asset. Accounting policies of subsidiaries have been changed where necessary to ensure consistency with the policies adopted by the Group.

(b) Associates

Associates are entities over which the Group has significant influence but not control or joint control. Investments in associates are accounted for using the equity method of accounting, after initially being recognized at cost. Unrealized gains on transactions between the Group and its associates are eliminated to the extent of the Group's interest in the associates. If the Group's share of losses of an associate equals or exceeds its interest in the associate (including long-term interests that, in substance, form part of the Group's net investment in the associate), the Group discontinues recognizing its share of further losses. After the Group's interest is reduced to zero, additional losses are provided for, and a liability is recognized, only to the extent that the Group has incurred legal or constructive obligations or made payments on behalf of the associate. If there is an objective evidence of impairment for the investment in the associate, the Group recognizes the difference between the recoverable amount of the associate and its book amount as impairment loss. If an associate uses accounting policies other than those of the Group for like transactions and events in similar circumstances, if necessary, adjustments shall be made to make the associate's accounting policies conform to those of the Group when the associate's financial statements are used by the Group in applying the equity method.

2.4 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 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 at the dates of the transactions. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in foreign currencies at year end exchange rates are generally recognized in profit or loss. They are deferred in other comprehensive income if they relate to qualifying cash flow hedges and qualifying effective portion of net investment hedges, or are attributable to monetary part of the net investment in a foreign operation.

(c) Translation to the presentation currency

The results and financial position of foreign operations that have a functional currency different from the presentation currency are translated into the presentation currency as follows:

- assets and liabilities for each statement of financial position presented are translated at the closing rate at the end of the reporting period,
- income and expenses for each statement of profit or loss are translated at average exchange rates,
- equity is translated at the historical exchange rate, and
- all resulting exchange differences are recognized in other comprehensive income.

Goodwill and fair value adjustments to the carrying amounts of assets and liabilities arising on the acquisition of a foreign operation are treated as assets and liabilities of the foreign operation and translated at the closing rate at the end of the reporting period.

2.5 Financial Assets

(a) Classification

The Group classifies its financial assets in the following measurement categories:

- those to be measured at fair value through profit or loss
- those to be measured at fair value through other comprehensive income, and
- those to be measured at amortized cost

The classification depends on the Group's business model for managing the financial assets and the contractual terms of the cash flows.

For financial assets measured at fair value, gains and losses will either be recorded in profit or loss or other comprehensive income. For investments in debt instruments, this will depend on the business model in which the investment is held.

For investments in equity instruments that are not held for trading, this will depend on whether the Group has made an irrevocable election at the time of initial recognition to account for the equity investment at fair value through other comprehensive income. Changes in fair value of non-designated equity investment are recognized in profit or loss.

(b) Measurement

At initial recognition, the Group measures a financial asset at its fair value plus, in the case of a financial asset not at fair value through profit or loss, transaction costs that are directly attributable to the acquisition of the financial asset. Transaction costs of financial assets carried at fair value through profit or loss are expensed in profit or loss.

A. Debt instruments

Subsequent measurement of debt instruments depends on the Group's business model for managing the asset and the cash flow characteristics of the asset. The Group classifies its debt instruments into one of the following three measurement categories:

- Amortized cost: Assets that are held for collection of contractual cash flows where those cash flows represent solely payments of principal and interest are measured at amortized cost. A gain or loss on a debt investment that is subsequently measured at amortized cost and is not part of a hedging relationship is recognized in profit or loss when the asset is derecognized or impaired. Interest income from these financial assets is included in 'finance income' using the effective interest rate method.
- Fair value through other comprehensive income: Assets that are held for collection of contractual cash flows and for selling the financial assets, where the assets' cash flows represent solely payments of principal and interest, are measured at fair value through other comprehensive income. Movements in the carrying amount are taken through other

comprehensive income, except for the recognition of impairment loss (reversal of impairment loss), interest income and foreign exchange gains and losses which are recognized in profit or loss. When the financial asset is derecognized, the cumulative gain or loss previously recognized in other comprehensive income is reclassified from equity to profit or loss. Interest income from these financial assets is included in 'finance income' using the effective interest rate method. Foreign exchange gains and losses are presented in 'finance income or expenses' and impairment losses are presented in 'other expenses'.

- Fair value through profit or loss: Assets that do not meet the criteria for amortized cost or fair value through other comprehensive income are measured at fair value through profit or loss. A gain or loss on a debt investment that is subsequently measured at fair value through profit or loss and is not part of a hedging relationship is recognized in profit or loss and presented net in the statement of profit or loss within 'finance income or expenses' in the year in which it arises.
- B. Equity instruments

The Group subsequently measures all equity investments at fair value. Where the Group's management has elected to present fair value gains and losses on equity investments, which held for long-term investment or strategic purpose, in other comprehensive income, there is no subsequent reclassification of fair value gains and losses to profit or loss following the derecognition of the investment.

Changes in the fair value of financial assets at fair value through profit or loss are recognized in 'finance income or expenses' in the statement of profit or loss as applicable. Impairment loss (reversal of impairment loss) on equity investments measured at fair value through other comprehensive income are not reported separately from other changes in fair value.

(c) Impairment

The Group assesses on a forward-looking basis the expected credit losses associated with its debt instruments carried at amortized cost and fair value through other comprehensive income. The impairment methodology applied depends on whether there has been a significant increase in credit risk. For trade receivables and lease receivables, the Group applies the simplified approach, which requires expected lifetime credit losses to be recognized from initial recognition of the receivables. (Note 11 provides more detail of how the Group determines there has been a significant increase in credit risk.)

(d) Recognition and Derecognition

Regular way purchases and sales of financial assets are recognized or derecognized on trade-date, the date on which the Group commits to purchase or sell the asset. Financial assets are derecognized when the rights to receive cash flows from the financial assets have expired or have been transferred and the Group has transferred substantially all the risks and rewards of ownership.

If a transfer does not result in derecognition because the Group has retained substantially all the risks and rewards of ownership of the transferred asset, the Group continues to recognize the transferred asset in its entirety and recognizes a financial liability for the consideration received. The Group classified the financial liability as "borrowings" in the statement of financial position (Note 22).

(e) Offsetting of financial instruments

Financial assets and liabilities are offset and the net amount reported in the statement 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.

2.6 Derivative Instruments

Derivatives are initially recognized at fair value on the date when a derivative contract is entered into and are subsequently remeasured at their fair value at the end of each reporting period. Changes in the fair value of any derivative instrument that does not qualify for hedge accounting are recognized immediately in profit or loss within 'finance income (expenses)' based on the nature of transactions.

2.7 Trade Receivables

Trade receivables are recognized initially at the amount of consideration that is unconditional, unless they contain significant financing components when they are recognized at fair value. Trade receivables are subsequently measured at amortized cost using the effective interest method, less loss allowance.

2.8 Inventories

Inventories are stated at the lower of cost and net realizable value. Cost is determined using the moving-weighted average method 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 historical cost less accumulated depreciation and accumulated impairment losses. Historical cost includes expenditure that is directly attributable to the acquisition of the items.

Depreciation of all property, plant and equipment, except for land, is calculated using the straight-line method to allocate their cost or revalued amounts, net of their residual values, over their estimated useful lives as follows:

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	Useful lives
Buildings	40 years
Structures	20 - 40
Machinery	8 - 10
Vehicles	5
Tools and equipment	5
Right-of-use assets	1 - 36
Others	5

The assets' depreciation method, residual values and useful lives are reviewed, and adjusted if appropriate, at the end of each reporting period.

2.10 Borrowing Costs

General and specific borrowing costs that are directly attributable to the acquisition, construction or production of a qualifying asset are capitalized during the period of time that is required to complete and prepare the asset for its intended use or sale. Investment income earned on the temporary investment of specific borrowings on qualifying assets is deducted from the borrowing costs eligible for capitalization. Other borrowing costs are expensed in the period in which they are incurred.

2.11 Government Grants

Grants from the government are recognized at their fair value where there is a reasonable assurance that the grant will be received and the Group will comply with all attached conditions. Government grants related to assets are presented in the statement of financial position by deducting the grant in arriving at the carrying amount of the asset, and government grants related to income are deferred and later deducted from the related expense.

2.12 Intangible Assets

Goodwill is measured as described in Note 2.3 (a), and carried at cost less accumulated impairment losses.

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

Membership rights that have an indefinite useful life are not subject to amortization because there is no foreseeable limit to the period over which the assets are expected to be utilized. The Group amortizes intangible assets with a limited useful life using the straight-line method over the following periods:

	Useful lives
Industrial rights	5 - 10 years
Facility usage rights	10
Other intangible assets	5 - 10

2.13 Impairment of Non-financial Assets

Intangible assets that have an indefinite useful life are not subject to amortization and are tested annually for impairment, or more frequently if events or changes in circumstances indicate that they might be impaired. Other assets are tested 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 of disposal and value in use. Nonfinancial assets that suffered an impairment are reviewed for possible reversal of the impairment at the end of each reporting period.

2.14 Trade and Other Payables

These amounts represent liabilities for goods and services provided to the Group prior to the end of reporting period which are unpaid. The amounts are unsecured and are usually paid within 30 days of recognition. Trade and other payables are presented as current liabilities, unless payment is not due within 12 months after the reporting period. They are recognized initially at their fair value and subsequently measured at amortized cost using the effective interest method.

2.15 Financial Liabilities

(a) Classification and measurement

The Group's financial liabilities at fair value through profit or loss are financial instruments held for trading. A financial liability is held for trading if it is incurred principally for the purpose of repurchasing in the near term. A derivative that is not a designated as hedging instruments and an embedded derivative that is separated are also classified as other financial liabilities.

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 present as 'trade and other payables', and 'borrowings' in the statement of financial position.

(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 or cancelled or expired or when the terms of an existing financial liability are substantially modified. The difference between the carrying amount of a financial liability extinguished or transferred to another party and the consideration paid (including any non-cash assets transferred or liabilities assumed) is recognized in profit or loss.

2.16 Greenhouse Gas Emission Permits and Obligations

With enforcement of *The Act on the Allocation and Trading of Greenhouse Gas Emission Permits*, emission permits that are allocated free of charge from the government are measured at zero, and emission permits purchased are recognized at acquisition cost by including any directly attributable

costs incurred during the normal course of business. Emission permits are carried at cost less accumulated impairment losses, and those to be submitted to the government within one year from the end of reporting period are classified as current assets.

Emission obligation is a present obligation of submitting the allowances to the government. Emissions obligations are measured as the sum of the carrying amount of the allocated allowances that will be submitted to the government and the best estimate of expenditure required to settle the obligation at the end of reporting period for any excess emission. The emission obligations to be settled within one year from the end of the reporting period are classified as current liabilities.

The Group derecognizes the emission permits when the emission allowance is disposed or submitted to the government or becomes unable to be disposed or submitted, and accordingly, the future economic benefits are no longer expected to be probable. The Group derecognizes the emission obligations when the Group submits the emission permits to the government. The emission permits and emission obligations are classified as intangible assets and provisions, respectively, in the statement of financial position.

2.17 Provisions

Provisions for restoration and others are recognized when the Group has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources will be required to settle the obligation and the amount can be reliably estimated. Provisions are measured at the present value of management's best estimate of the expenditure required to settle the present obligation at the reporting period, and the increase in the provision due to the passage of time is recognized as interest expense.

2.18 Current and Deferred Tax

The tax expense for the period consists of current and deferred tax. Current and deferred tax is recognized in profit or loss, except to the extent that it relates to items recognized in other comprehensive income or directly in equity. In this case, the tax is also recognized in other comprehensive income or directly in equity, respectively.

The current income tax expense is measured at the amount expected to be paid to the taxation authorities, using the tax rates (and tax laws) that have been enacted or substantively enacted by the end of the reporting period. Management periodically evaluates positions taken in tax returns with respect to situations in which applicable tax regulation is subject to interpretation, and considers whether it is probable that a taxation authority will accept an uncertain tax treatment. The Group measures its tax balances either based on the most likely amount or the expected value, depending on which method provides a better prediction of the resolution of the uncertainty.

Deferred income tax is provided in full, using the liability method, on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the consolidated financial statements. However, deferred income tax is not accounted for if it arises 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 profit nor taxable profit or loss.

Deferred tax assets are recognized only if it is probable that future taxable amounts will be available to utilize those temporary differences and losses.

The Group recognizes a deferred tax liability all taxable temporary differences associated with investments in subsidiaries, associates, and interests in joint arrangements, 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 difference will not reverse in the foreseeable future. In addition, The Group recognizes a deferred tax asset for all 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 and liabilities and when the deferred tax balances relate to the same taxation authority. Current tax assets and tax liabilities are offset when the Group has a legally enforceable right to offset and intends either to settle on a net basis, or to realize the assets and settle the liability simultaneously.

2.19 Employee Benefits

The Group operates both defined contribution and defined benefit pension plans.

For defined contribution plans, the Group pays contribution to publicly or privately administered pension insurance plans on mandatory, contractual or voluntary basis. The Group has no further payment obligation once the contribution has been paid. The contribution is recognized as employee benefit expense when they are due.

A defined benefit plan is a pension plan that is not a defined contribution plan. Generally, postemployment benefits are payable after the completion of employment, and the benefit amount depended on the employee's age, periods of service or salary levels. 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 that are denominated in the currency in which the benefits will be paid, and that have terms approximating to the terms of the related obligation. Remeasurement gains and losses arising from experience adjustments and changes in actuarial assumptions are recognized in the period in which they occur, directly in other comprehensive income.

Changes in the present value of the defined benefit obligation resulting from plan amendments or curtailments are recognized immediately in profit or loss as past service costs.

The Group provides long-term employee benefits that are entitled to employees with service period for ten years and above. The expected costs of these benefits are accrued over the period of employment using the same accounting methodology as used for defined benefit pension plans. The Group recognizes service cost, net interest on other long-term employee benefits and remeasurements as profit or loss for the year. These liabilities are valued annually by an independent

qualified actuary.

2.20 Revenue Recognition

The Group manufactures and sells a variety of products and merchandises including polypropylene, TPA, film, NF3, optical film and polyketone.

Sales are recognized when control of products and merchandises has transferred, being when the products and the merchandises are delivered to the customer and there is no unfulfilled obligation that could affect the customer's acceptance of the products and the merchandises. Delivery occurs when the products have been shipped to the specific location, the risks of obsolescence and loss have been transferred to the customer, and either the customer has accepted the products in accordance with the sales contract, the acceptance provisions have lapsed, or the Group has objective evidence that all criteria for acceptance have been satisfied. Also, when the Group exports products and merchandises under the terms of Incoterms Group C, the Group identifies the transportation service as a separate performance obligation since the transportation service is carried out after the control of products and merchandises has been transferred to the customer.

2.21 Leases

(a) Lessee

The Group leases various offices, warehouses, vehicles, facilities and others. Lease contracts are typically made for fixed periods, but may have extension options or termination options as described in (b) below.

Contracts may contain both lease and non-lease components. The Group allocates the consideration in the contract to the lease and non-lease components based on their relative stand-alone prices. However, for leases of real estate for which the Group is lessee, the Group applies the practical expedient which has elected not to separate lease and non-lease components and instead accounts for these as a single lease component.

Lease terms are negotiated on an individual basis and contain a wide range of different terms and conditions. The lease agreements do not impose any covenants, but leased assets may not be used as security for borrowing purposes.

The Group determines the lease term as the non-cancellable period of a lease, together with both (i) periods covered by an option to extend the lease if the lessee is reasonably certain to exercise that option; and (ii) periods covered by an option to terminate the lease if the lessee is reasonably certain not to exercise that option. When the lessee and the lessor each has the right to terminate the lease without permission from the other party, the Group should consider a termination penalty in determining the period for which the contract is enforceable.

Assets and liabilities arising from a lease are initially measured on a present value basis. Lease liabilities include the net present value of the following lease payments:

• Fixed payments (including in-substance fixed payments), less any lease incentives

receivable

- Variable lease payment that are based on an index or a rate, initially measured using the index or rate as at the commencement date
- Amounts expected to be payable by the Group (the lessee) under residual value guarantees
- The exercise price of a purchase option if the Group (the lessee) is reasonably certain to exercise that option, and
- Payments of penalties for terminating the lease, if the lease term reflects the Group (the lessee) exercising that option

The Group is exposed to potential future increases in variable lease payments based on an index or rate, which are not included in the lease liability until they take effect. When adjustments to lease payments based on an index or rate take effect, the lease liability is reassessed and adjusted against the right-of-use asset.

Each lease payment is allocated between the liability and finance expense. The finance expense is charged to profit or loss over the lease period so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period.

Right-of-use assets are measured at cost comprising the following:

- the amount of the initial measurement of lease liability
- any lease payments made at or before the commencement date less any lease incentives received
- any initial direct costs, and
- restoration costs

The right-of-use asset is depreciated over the shorter of the asset's useful life and the lease term on a straight-line basis. If the Group is reasonably certain to exercise a purchase option, the right-of-use asset is depreciated over the underlying asset's useful life.

Payments associated with short-term leases and leases of low-value assets are recognized on a straight-line basis as an expense in profit or loss. Short-term leases are leases with a lease term of 12 months or less without a purchase option. Low-value assets comprise IT-equipment and small items.

(b) Extension and termination options

Extension and termination options are included in a number of property and equipment leases across the Group. These terms are used to maximize operational flexibility in terms of managing contracts. The majority of extension and termination options held are exercisable only by the Group and not by the respective lessor.

(c) Residual value guarantees

To optimize lease costs during the contract period, the Group sometimes provides residual value guarantees in relation to leases.

2.22 Segment Reporting

The Group has a single operating segment in accordance with Korean IFRS 1108 *Operating Segments.*

2.23 Approval of Issuance of the Financial Statements

The consolidated financial statements 2021 were approved for issue by the Board of Directors on January 26, 2022 and are subject to change with the approval of shareholders at their Annual General Meeting.

3. Critical Accounting Estimates and Assumptions

The preparation of financial statements requires the Group to make estimates and assumptions concerning the future. Management also needs to exercise judgement in applying the Group's accounting policies. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. As the resulting accounting estimates will, by definition, seldom equal the related actual results, it can contain a significant risk of causing a material adjustment.

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 discussed below. Additional information of significant judgement and assumptions of certain items are included in relevant notes.

(a) Impact of Coronavirus disease 2019 ("COVID-19")

During 2021, the spread of Coronavirus disease 2019 ("COVID-19") has a material impact on the global economy. It may have a negative impact; such as, decrease in productivity, decrease or delay in sales, collection of existing receivables and others. Accordingly, it may have a negative impact on the financial position and financial performance of the Group. The Group has not identified any risks that could impact the financial performance or position of the Group as at December 31, 2021. It has sufficient working capital and undrawn financing facilities to support smooth operating activities and ongoing investments. However, significant accounting estimates and assumptions applied in the preparation of the consolidated financial statements can be adjusted depending on changes in the uncertainty from COVID-19. Also, the ultimate effect of COVID-19 to the Group's business, financial position and financial performance cannot presently be determined.

(b) Impairment of assets

The Group considers value-in-use when calculating recoverable amount for the impairment test of cash generating units (CGU). The value-in-use is calculated by discounting estimated future cash flows of CGU with the appropriate discount rate (Note 15).

(c) Income taxes

The Group's taxable income generated from these operations are 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 24).

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.

(d) Impairment of financial assets

The provisions for impairment for financial assets are based on assumptions about risk of default and expected loss rates. The Group uses judgement in making these assumptions and selecting the inputs to the impairment calculation based on the Group's past history, existing market conditions as well as forward looking estimates at the end of each reporting period (Note 11).

(e) Net defined benefit liability

The present value of net defined benefit liability depends on a number of factors that are determined on an actuarial basis using a number of assumptions including the discount rate (Note 23).

(f) Lease

In determining the lease term, management considers all facts and circumstances that create an economic incentive to exercise an extension option, or not exercise a termination option. Extension options (or periods after termination options) are only included in the lease term if the lease is reasonably certain to be extended (or not terminated).

4. Financial Risk Management

4.1 Financial Risk Factors

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

Risk management is carried out under policies approved by the management committee within the Board of Directors. The committee 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 investments exceeding liquidity.

4.1.1 Market Risk

(a) Foreign exchange risk

The Group operates internationally and is exposed to foreign exchange risk, primarily the US dollar, Euro, Japanese Yen and Vietnamese Don. Foreign exchange risk arises from future commercial transactions, recognized assets liabilities and net investments in foreign operations.

Management has set up a policy to require operations 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 table below summarizes the impact of weakened/strengthened Korean won by 10% against foreign currencies on the Group's pre-tax profit for the period, with all other variables held constant.

(in millions of Korean won)			Impact on post-tax profit						
		:	2021		2020				
USD	Strengthened	₩	(10,465)	₩	(6,649)				
	Weakened		10,465		6,649				
EUR	Strengthened		(120)		(204)				
	Weakened		120		204				
JPY	Strengthened		174		(36)				
	Weakened		(174)		36				
VTN	Strengthened		(3,187)		(2,585)				
	Weakened		3,187		2,585				
Others	Strengthened		-		(17)				
	Weakened		-		17				

(b) Price risk

The Group is exposed to equity securities price risk arises from investments held by the Group that are classified as at fair value through other comprehensive income in the consolidated statement of financial position.

The Group's equity investments are publicly traded and are included in the KOSPI index.

The table below summarizes the impact of increases/decreases of this index on the Group's equity and post-tax profit for the year. The analysis is based on the assumption that the equity index has increased/decreased by 10% with all other variables held constant.

(in millior	ns of Korean won)	I	mpact o	n eq	uity	
		20	21		2020	
KOSPI	Increase 10%	₩	5	₩		-
	Decrease 10%		(5)			-

(c) Interest rate risk

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

The Group holds fixed and floating interest rate borrowings and is exposed to interest rate risk from the floating interest rate borrowings. The Group's management reviews interest rate fluctuation periodically and manages the interest rate risk by repaying or refinancing the borrowings.

The table below summarizes the impact of increase/decrease of interest rate by 100 basis points on the Group's pre-tax profit for the period, with all other variable held constant.

(in millions of Korean won)	Impact on post-tax profit						
	2	2021	2	2020			
Increase	₩	(14,447)	₩	(8,276)			
Decrease		14,447		8,276			

4.1.2 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. Otherwise, if there is no independent rating, risk control assesses the credit quality of the customer, taking into account its financial position, past experience and other factors. The compliance with credit limit is regularly monitored by line management. See Note 11 for more information about credit risk.

The maximum exposure to credit risk as at December 31, 2021 and 2020, is as follows:

(in millions of Korean won)		2021		2020
Cash and cash equivalents ¹	₩	34,776	₩	10,155
Trade and other receivables		327,974		222,339
Other financial assets		756		54,023
Long-term trade and other receivables		3,409		3,467
Other non-current financial assets		1,043		917

¹ Difference from 'Cash and cash equivalents' in the consolidated statements of financial position represents cash on hand.

4.1.3 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 tis undrawn 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. The Group's liquidity forecast comprehensively considers short-term and long-term financing plan, compliance of covenants, and target financial ratios.

Details of the Group's liquidity risk analysis as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021							
	Les	ss than 1 year		tween 1 I 5 years	-	ver 5 ears		Total
Trade and other payables	₩	438,810 817,923	₩	13,270 614,523	₩	-	₩	452,080 1,432,446
Borrowings (including interest expense) Derivative instruments ¹		535		- 014,525		-		535
Lease liabilities		3,715		7,860		686		12,261
Total	₩ ′	1,260,983	₩	635,653	₩	686	₩	1,897,322

¹ Trading portfolio derivative instruments are included at their fair value within the less than 1 year time bucket. This is because the contractual maturities are not essential to understand the timing of the cash flows. These contracts are managed on a net fair value basis rather than by maturity date.

(in millions of Korean won)	2020							
	Les	ss than 1 year		tween 1 5 years)ver 5 years		Total
Trade and other payables	₩	295,090	₩	13,186	₩	-	₩	308,276
Borrowings (including interest expense)		313,094	1	,486,155		-		1,799,249
Derivative instruments ¹		729		-		-		729
Lease liabilities		3,538		9,339		2,378		15,255
Total	₩	612,451	₩ 1	,508,680	₩	2,378	₩	2,123,509

¹ Trading portfolio derivative instruments are included at their fair value within the less than 1 year time bucket. This is because the contractual maturities are not essential to understand the timing of the cash flows. These contracts are managed on a net fair value basis rather than by maturity date.

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, so the Group can continue 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 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 'equity' as shown in the consolidated statement of financial position plus net debt.

The gearing ratio as at December 31, 2021 and 2020, is as follows:

(in millions of Korean won)		2021	2020		
Total borrowings	₩	2,019,974	₩	1,660,193	
Less: cash and cash equivalents		(34,797)		(10,181)	
Net debt		1,985,177		1,650,012	
Total equity		501,455		402,353	
Total capital	₩	2,486,632	₩	2,052,365	
Gearing ratio		79.83%		80.40%	

5. Fair Value of Financial Instruments

During the year ended December 31, 2021, there have been no significant changes in the business and economic environment affecting the fair value of the Group's financial assets and liabilities.

5.1 Fair Value Hierarchy

Items that are measured at fair value of for which the fair value is disclosed are categorized by the fair value hierarchy levels, and the defined levels are as follows:

- Quoted prices (unadjusted) in active markets for identical assets or liabilities that an entity can access at the measurement date (Level 1).
- All inputs other than quoted prices included in level 1 that are observable (either directly that is, prices, or indirectly that is, derived from prices) for the asset or liability (Level 2).

• Unobservable inputs for the asset or liability (Level 3).

Fair value hierarchy classifications of the financial instruments that are measured at fair value as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021							
	Leve	el 1	Lev	el 2 ¹	Level 3	3	Т	otal
Assets								
Financial assets at fair value through profit or loss (derivative financial assets)	₩	-	₩	45	₩	-	₩	45
Financial assets at fair value through other comprehensive income (available-								
for-sale securities)		45		-		-		45
Total	₩	45	₩	45	₩	-	₩	90
Liabilities Financial liabilities at fair value through								
profit or loss (derivative financial liabilities)	₩	-	₩	536	₩		₩	536
Total	₩	-	₩	536	₩	-	₩	536

¹ The Group uses market approach as valuation technique for derivative financial assets and liabilities classified as level 2 in fair value hierarchy. Inputs are exchange rates and others.

(in millions of Korean won)	illions of Korean won) 2020					
	Level 1	Leve	e l 2 1	Level 3		Total
Assets						
Financial assets at fair value through profit or loss (derivative financial assets)	₩ .	- ₩	28	₩	- ₩	28
Total	₩ .	₩	28	₩	₩	28
Liabilities Financial liabilities at fair value through profit or loss (derivative financial liabilities)	₩ .	- ₩	729	₩	- ₩	729
Total	₩ .	₩	729	₩	- ₩	729

¹ The Group uses market approach as valuation technique for derivative financial assets and liabilities classified as level 2 in fair value hierarchy. Inputs are exchange rates and others.

5.1.1 Transfers Between Fair Value Hierarchy Levels of Recurring Fair Value Measurements

There were no transfers between fair value hierarchy levels for the year ended December 31, 2021.

5.1.2. Valuation Techniques and the Inputs

Valuation techniques and inputs used in fair value measurements categorized within Level 2 of the fair value hierarchy as at December 31, 2021, are as follows:

(in millions of Korean won)	_				2021	
	-	air Ilue	Level	Valuation techniques	Inputs	Level 3Range of inputs (weighted average)
Derivatives						
Assets	₩	45	2	Market approach	Exchange rate, discount rate and others	N/A
Liabilities		536	2	Market approach	Exchange rate, discount rate and others	N/A

5.1.3 Impairment of Financial Assets

The provisions for impairment for financial assets are based on assumptions about risk of default and expected loss rates. The Group uses judgement in making these assumptions and selecting the inputs to the impairment calculation based on the Group's past history, existing market conditions as well as forward looking estimates at the end of each reporting period (Note 11).

6. Segment Information

The Group has a single operating segment in accordance with Korean IFRS 1108 Segment Reporting.

Details of revenue broken down by location of the customers for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021			2020		
Korea	₩	862,728	₩	691,500		
North America		79,565		24,486		
Asia		939,948		781,907		
Europe		494,568		273,109		
South America		16,712		10,807		
Africa		50,811		29,405		
Others		8,658		5,976		
	₩	2,452,990	₩	1,817,190		

There is no key customer who contributes more than 10% of the Group's revenue for the year ended December 31, 2021 and 2020.

7. Transfer of Financial Assets

Under factoring arrangement, the Group sells trade receivables at a discount to the financial institutions for the years ended December 31, 2021 and 2020. 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 11, 21 and 38).

Details of transferred financial assets that are not derecognized in their entirety as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		Loans and	receiv	ceivables		
		2021		2020		
Carrying amount of assets	₩	73,680	₩	72,708		
Carrying amount of the associated liabilities		(73,680)		(72,708)		
Net position	₩	-	₩	-		

8. Financial Instruments by Categories

(a) Carrying Amounts of Financial Instruments by Category

Carrying amounts of financial assets and liabilities by category as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021						
	Financial instruments at amortized cost		Financial assets measured at FVTPL		Financial assets measured at FVTOCI		Total
Assets							
Cash and cash equivalents	₩	34,797	₩	-	₩ -	₩	34,797
Trade and other receivables		304,368		23,606	-		327,974
Other financial assets Long-term trade and other		-		756	-		756
receivables		3,409		-	-		3,409
Other non-current financial assets	_	998	_	-	45	5	1,043
	₩	343,572	₩	24,362	₩ 45	₩	367,979

(in millions of Korean won)	2021										
	Financial liabilities at amortized cost			Other inancial abilities	Financial liabilities measured at FVTPL		Total				
Liabilities											
Trade and other payables	₩	429,237	₩	-	₩	- ₩	429,237				
Borrowings		506,475		76,117		-	582,592				
Other financial liabilities Long-term trade and other		-		3,715	530	6	4,251				
payables		13,270		-		-	13,270				
Long-term borrowings Other non-current financial		1,437,382		-		-	1,437,382				
liabilities		-		7,638			7,638				
	₩	2,386,364	₩	87,470	₩ 530	3 ₩	2,474,370				

(in millions of Korean won)	2020										
	instr	nancial ruments at rtized cost	mea	cial assets asured at FVTPL		Total					
Assets											
Cash and cash equivalents	₩	10,181	₩	-	₩	10,181					
Trade and other receivables		203,548		18,791		222,339					
Other financial assets		53,996		28		54,024					
Long-term trade and other receivables		3,467		-		3,467					
Other non-current financial assets		917		-		917					
	₩	272,109	₩	18,819	₩	290,928					

(in millions of Korean won)		2020										
	lia	inancial bilities at nortized cost	fi	Other nancial Ibilities	Financial liabilities measured at FVTPL		Total					
Liabilities												
Trade and other payables	₩	295,090	₩	-	₩ -	₩	295,090					
Borrowings		230,418		73,346	-		303,764					
Other financial liabilities Long-term trade and other		-		3,378	729		4,107					
payables		13,186		-	-		13,186					
Long-term borrowings Other non-current financial		1,356,429		-	-		1,356,429					
liabilities		-		10,726			10,726					
	₩	1,895,123	₩	87,450	₩ 729	₩	1,983,302					

(b) Net Gains or Losses by Category of Financial Instruments

Net gains or losses on each category of financial instruments for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Financial assets measured at amortized cost:					
Interest income	₩	209	₩	236	
Gain on foreign currency translation		3,588		2,476	
Loss on foreign currency translation		(806)		(4,194)	
Reverse of bad debt expenses (bad debt expense)		(151)		(304)	
Financial liabilities measured at amortized cost:					
Interest expense		(33,356)		(42,453)	
Gain on foreign currency translation		852		8,270	
Loss on foreign currency translation		(5,365)		(12,532)	
Other financial liabilities					
Interest expense		(805)		(1,071)	
Gain on foreign currency translation		200		1,770	
Loss on foreign currency translation		(1,248)		(644)	
Financial assets/liabilities at FVTPL					
Gain (loss) on transaction (profit or loss for the year)		8,930		(1,425)	
Loss on valuation (profit or loss for the year)		(489)		(969)	
Financial assets/liabilities at FVTOCI					
Gain on valuation (other comprehensive income)		12		-	

9. Cash and Cash Equivalents

Cash and cash equivalents as at December 31, 2021 and 2020, consist of:

(in millions of Korean won)		2021	2020			
Cash on hand	₩	21	₩	26		
Bank deposits		34,776		10,155		
	₩	34,797	₩	10,181		

10.Restricted Financial Instruments

Restricted financial instruments as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	Description	2021		2020			
Other non-current financial assets	Checking account deposits	₩	15	₩	15		

11.Trade and Other Receivables

Details of trade and other receivables as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021										
		eceivable amount	Provision for impairment		Вос	ok amount					
Trade receivables	₩	216,115	₩	(1,378)	₩	214,737					
Other receivables		113,259		(22)		113,237					
Long-term other receivables		3,409		-		3,409					
-	₩	332,783	$\forall \forall$	(1,400)	₩	331,383					
(in millions of Korean won)				2020							
		eceivable amount	Provision for impairment		Вос	ok amount					
Trade receivables	₩	175,429	₩	(1,360)	₩	174,069					
Other receivables		48,292		(22)		48,270					
Long-term other receivables		3,467		-		3,467					
	₩	227,188	₩	(1,382)	₩	225,806					

The Group has transferred trade receivables amounting to $\forall 73,680$ million (2020: $\forall 72,708$ million) to banks in exchange for cash as at December 31, 2021. The Group may retain an obligation to compensate a bank for debtors' failure to make payment when they become due; therefore, the transaction has been accounted for as a collateralized borrowing (Notes 7 and 21).

Details of other receivables as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Other receivables						
Non-trade receivables	₩	111,800	₩	46,155		
Short-term loans		12		4		
Deposits provided		1,424		2,110		
Accrued income		-		1		
		113,236		48,270		
Long-term other receivables						
Long-term loans		1,406		1,364		
Deposits provided		2,003		2,103		
		3,409		3,467		
	₩	116,645	₩	51,737		

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

(in percentage)	2021	2020
Discount rate	1.60%~3.36%	1.60%~4.00%

The aging analysis of trade and other receivables as at December 31, 2021 and 2020, are as follows:

(in millions of							:	2021						
Korean won)														
	Receivables not past due		Up to 3 months		4 to 6 months		7 to 12 months		Over 12 months		Impaired			Total
Trade receivables Loss allowance	₩	162,009	₩	50,188	₩	1,194	₩	1,132	₩	425	₩	1,167	₩	216,115
provision Expected loss		(17)		(12)		(34)		(54)		(94)		(1,167)		(1,378)
rate		0.01%		0.02%		2.85%		4.80%		22.18%		100%		0.64%
		161,992		50,176		1,160		1,078		331		-		214,737
Other receivables Loss allowance		113,237		-		-		-		-		22		113,259
provision		-		-		-		-		-		(22)		(22)
		113,237		-		-		-		-		-		113,237
Long-term other receivables		3,409		-		-		-		-		-		3,409
	₩	278,638	₩	50,176	₩	1,160	₩	1,078	₩	331	₩	-	₩	331,383

(in millions of	_				2020									
Korean won)	Past due but not impaired													
	Receivables not past due		Up to 3 months		4 to 6 months		7 to 12 months		Over 12 months		Impaired		Total	
Trade receivables Loss allowance	₩	135,868	₩	37,737	₩	177	₩	205	₩	248	₩	1,194	₩	175,429
provision Expected loss		(9)		(7)		(4)		(14)		(132)		(1,194)		(1,360)
rate		0.01%		0.02%		2.26%		6.83%		53.23%		100%		0.78%
		135,859		37,730	_	173		191		116		-		174,069
Other receivables Loss allowance		47,879		391		-		-		-		22		48,292
provision		-		-		-		-		-		(22)		(22)
		47,879		391		-		-		-		-		48,270
Long-term other receivables		3,467		-		-		-		-		-		3,467
	₩	187,205	₩	38,121	₩	173	₩	191	₩	116	₩	-	₩	225,806

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

Individually impaired receivables mainly relate to customers that are experiencing unexpected economic difficulties. The Group expects that a portion of their receivables will be recovered. If the Group determines that no objective evidence of impairment exists for an individually assessed receivable, it collectively assesses them for impairment. The collective impairment assessment is calculated based on credit loss information from sales and related payment data for 24 months as of the end of the reporting period.

Movements on the provisions for impairment of receivables for the years ended December 31, 2021 and 2020, are as follows:

(in millions of	2021												
Korean won)	Beginning balance		Bad debt expense		Ot	hers	Ending balance						
Trade receivables and long- term other receivables Other receivables and long- term other receivables	₩	1,360 22	₩	151	₩	(133)	₩	1,378 22					
	₩	1,382	₩	151	₩	(133)	₩	1,400					

(in millions of				2	2020 debt Ending											
Korean won)	-	jinning Ilance		debt ense	Othe	ers	Ending balance									
Trade receivables and long- term other receivables Other receivables and long-	₩	1,056	₩	304	₩	-	₩	1,360								
term other receivables		22		-		-		22								
	₩	1,078	₩	304	₩	-	₩	1,382								

Provision for impaired trade receivables and unused amounts reversed are included in the consolidated statement of profit or loss within 'selling, general and administrative expenses' (Note 32). Provision for impaired other receivables and unused amounts reversed are included in the consolidated statement of profit or loss within 'other income and expenses' (Note 33). Receivables for which an impairment provision was recognized are written off against the provision when there is no expectation of recovering additional cash.

12. Other Financial Assets and Liabilities

Other financial assets and liabilities as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Other financial assets						
Short-term financial assets	₩	711	₩	53,996		
Long-term financial assets		997		917		
Derivative financial assets		45		28		
Financial assets at fair value through other						
comprehensive income		46		-		
		1,799		54,941		
Less: current portion		(756)		(54,024)		
	₩	1,043	₩	917		
Other financial liabilities						
Lease liabilities	$\forall \forall$	11,353	₩	14,104		
Derivative financial liabilities		535		729		
		11,888		14,833		
Less: current portion		(4,251)		(4,107)		
	₩	7,637	₩	10,726		

The Group has entered into currency swap contracts to hedge the risk of foreign currency exchange rate fluctuations relating to borrowings as at December 31, 2021. The Group recognizes gain or loss on valuation of derivatives in profit or loss.

Details of financial assets at fair value through other comprehensive income as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021		2020
Listed equity securities			
Kakao Bank Co.,Ltd	\mathbf{W}	46 ₩	

Changes in financial assets at fair value through other comprehensive income for the years ended December 31, 2021 and 2020, are as follows:

202	1	2020				
₩	-	₩		-		
	31			-		
	-			-		
	15			-		
₩	46	₩		-		
	₩	31 15	₩ - ₩ 31 - 15	₩ - ₩ 31 - 15		

Changes in gain on financial assets at fair value through other comprehensive income for the years ended December 31, 2021, are as follows:

(in millions of Korean won)	2021											
	Beginr balan	-	compre	her hensive ome	Profit o	or loss	Ending	balance				
Before tax Tax effect	₩	-	₩	15 (3)	₩	-	₩	15 (3)				
After tax	₩	-	₩	12	₩	-	₩	12				

Valuation of derivative financial assets and liabilities as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won))21				2020			
	Assets		Li	iabilities		Assets		Liabiliti	es
Current derivative financial assets and liabilities									
Currency swap	$\forall \forall$	-	₩	-	₩		19	$\forall \forall$	-
Forward exchange		45		536			9		729
	₩	45	₩	536	₩		28	₩	729

13.Other Assets

Details of other assets as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Other current assets						
Advance payments	₩	17,235	₩	2,098		
Prepaid expenses		15,847		3,946		
		33,082		6,044		
Other non-current assets						
Long-term prepaid expenses		96		2,250		
Other investment assets		5,121		3,435		
	_	5,217		5,685		
	₩	38,299	₩	11,729		

14.Inventories

Details of inventories as at December 31, 2021 and 2020, are as follows:

(in millions of				2021					20	020							
Korean won)		•				Book						Book					
		Cost	Pr	rovision a		amount		Cost	Pre	Provision		mount					
Merchandise	₩	2,369	₩	(55)	₩	2,314	₩	2,330	₩	(12)	₩	2,318					
Finished goods Semi-finished		167,799		(9,056)		158,743		78,128		(2,353)		75,775					
goods		11,316		(159)		11,157		7,066		(135)		6,931					
Raw materials		143,859		(187)		143,672		25,064		(157)		24,907					
Sub-materials		30,465		(1,503)		28,962		15,968		(639)		15,329					
Supplies		4,246		(262)		3,984		3,145		(380)		2,765					
Packaging		2,569		(107)		2,462		1,235		(34)		1,201					
Goods in transit		49,710		-		49,710		13,935		-		13,935					
	₩	412,333	₩	(11,329)	₩	401,004	₩	146,871	₩	(3,710)	₩	143,161					

Inventories recognized as an expense for the year ended December 31, 2021 amount to $\forall 2,097,804$ million (2020: $\forall 1,593,445$ million), which is included in 'cost of sales'. Also, the Group recognized loss on valuation of inventories amounting to $\forall 7,619$ million (2020: reversal of provisions for inventories $\forall 1,496$ million) for the year ended December 31, 2021, which is included in the statement of profit or loss within 'cost of sales'.

15. Property, Plant and Equipment

Details of property, plant and equipment as at December 31, 2021 and 2020, are as follows:

(in millions of				2021			2020 Accumulated							
Korean won)		•	Accumulated				0	- •						
		Cost	de	preciation ¹	tion ¹ Book amount			Cost		depreciation ¹		ok amount		
Land	₩	138,770	₩	-	₩	138,770	₩	138,770	₩	-	₩	138,770		
Building		210,125		(49,865)		160,260		199,176		(44,918)		154,258		
Structures		674,369		(65,710)		608,659		360,967		(55,243)		305,724		
Machinery		2,616,064	(1,511,800)			1,104,264		1,995,388	(1,368,214)			627,174		
Vehicles		6,144		(5,148)		996		5,749		(4,637)		1,112		
Tools and equipment		92,266		(62,421)		29,845		75,154		(54,765)		20,389		
Others		49,059		(2,697)		46,362		30,935		(235)		30,700		
Construction in progress		33,726		-		33,726		576,785		-		576,785		
Machinery in transit		239		-		239		101		-		101		
Right-of-use assets		68,839		(3,838)		65,001		72,136		(3,802)		68,334		
	₩	3,889,601	₩	(1,701,479)	₩	2,188,122	₩	3,455,161	₩	(1,531,814)	₩	1,923,347		

¹ Accumulated impairment losses and government grants are included.

Changes in property, plant and equipment for the years ended December 31, 2021 and 2020, are as follows:

(in millions of								2021						
Korean won)	B	eginning					Depr	eciation			Ot	hers (F/X	E	Ending
	k	palance	Addit	ions	Dis	Disposal ¹		and others ²		nsfers ³	change		b	alance
Land	₩	100 770	₩	-	₩		₩		₩		₩		₩	100 770
Land	vv	138,770	vv	-	VV	-	vv	-	VV	-	vv	-	VV	138,770
Buildings		154,258		121		-		(4,884)		8,660		2,105		160,260
Structures		305,724		-		(18)		(10,022)	:	296,768		16,207		608,659
Machinery		627,174		1,742		(68)	(1	60,447)		614,764		21,099		1,104,264
Vehicles		1,112		-		-		(511)		394		1		996
Tools and equipment		20,389		680		(9)		(7,828)		16,417		196		29,845
Others		30,700	:	3,473		-		(3,733)		15,862		60		46,362
Construction in progress		576,785	31	2,363		-		-	(918,780)		63,358		33,726
Machinery in transit		101	18	8,581		-		-		(18,443)		-		239
Right-of-use assets		68,334		1,339		(414)		(6,095)		268		1,569		65,001
	₩	1,923,347	₩ 33	8,299	₩	(509)	₩ (1	193,520)	₩	15,910	₩	104,595	₩ 2	2,188,122

¹ Disposal of right-of-use assets include effect of lease contract changes.

² Others include loss of other tangible assets of $\forall 160$ million and supplies expenses for process of $\forall 3,572$ million.

³ Transfers include transfer of construction in progress and machinery in transit transferred to property,

plant and equipment, transfers between property, plant and equipment and intangible assets, and others.

(in millions of								20)20							
Korean won)		eginning balance	A	dditions	Di	sposal¹		preciation nd others ²	Tr	ansfers ³		airment loss⁴		Others (F/X hange)		inding alance
Land	₩	138,770	₩	-	₩	-	₩	-	₩	-	₩	-	₩	-	₩	138,770
Buildings		133,898		257		-		(4,661)		27,660		-		(2,896)		154,258
Structures		132,940		-		-		(8,095)		202,427		-		(21,548)		305,724
Machinery		502,666		1,129		(171)		(150,381)		313,184		(9,800)		(29,453)		627,174
Vehicles		1,009		-		(4)		(526)		633		-		-		1,112
Tools and equipment		13,063		162		-		(7,175)		15,130		-		(791)		20,389
Others		11,910		17,285		-		(4,350)		5,855		-		-		30,700
Construction in																
progress		509,296		634,647		-		-		(545,721)		-		(21,437)		576,785
Machinery in transit		80		14,532		-		-		(14,511)		-		-		101
Right-of-use assets		4,701		13,765		(781)		(4,206)		54,992		-		(137)		68,334
	₩	1,448,333	₩	681,777	₩	(956)	₩	(179,394)	₩	59,649	₩	(9,800)	₩	(76,262)	₩	1,923,347

¹ Disposal of right-of-use assets include effect of lease contract changes.

 2 Others include loss of other tangible assets of $\forall 772$ million and supplies expenses for process of $\forall 3,577$ million.

³ Transfers include $\forall 4,153$ million of accumulated loss of other property, plant and equipment transferred to provision for loss, $\forall 1,701$ million of prepaid expenses related to acquisitions on property, plant and equipment as at December 31, 2020 transferred to other property, plant and equipment, $\forall 11,395$ million of construction in progress transferred to intangible assets, and $\forall 54,992$ million of intangible assets transferred to right-of-use asset of land.

⁴ Due to cumulative operating losses, impairment test on POK business was performed, and impairment loss amounting to $\forall 9,800$ million is recognized, included in 'other expenses' in the statement of profit or loss.

Depreciation includes $\forall 186,002$ million (2020: $\forall 171,341$ million) in manufacturing costs, $\forall 3,471$ million (2020: $\forall 3,672$ million) in 'selling, general and administrative expenses' and $\forall 541$ million (2020: $\forall 804$ million) in 'research and development expenses'.

Certain amounts of the property, plant and equipment are provided as collaterals to financial institutions for borrowings (Note 38).

Government grants

The Group entered into development agreements with Korea Evaluation Institute of Industrial Technology and others for various national research projects, including development of materials related to Polyketone and High-Purity Hydrogen Chloride.

As at December 31, 2021, the balance of government grants related to asset acquisition is $\forall 610$ million (2020: $\forall 436$ million), and there is no balance of liabilities related to government grants (2020: $\forall 89$ million).

Fair value of land as at December 31, 2021, is $\forall 165,669$ million (2020: $\forall 157,479$ million) and the fair value is estimated based on the value determined by the Korean government, which is announced for property tax assessment purposes, etc.

Impairment Test on Cash Generating Unit (CGU)

The Group performed impairment test on CGUs of POK business and Hyosung Vina Chemical that had an indication of impairment, and cash flows were estimated assuming that COVID-19 will end within the estimated period upon measurement of value-in use. In addition, when estimating the recovery rate, the recovery period and the discount rate of cash flows, the industry characteristics and historical data of the CGU were comprehensively considered. The assumptions applied for the estimate of value-in-use of CGU as at December 31, 2021, are as follows:

	POK business	Hyosung Vina Chemical
Sales growth rate	0.0 ~ 59.6%	0.0 ~ 252.1%
Gross margin	-5.8 ~ 20.1%	-0.4 ~ 13.4%
Perpetual growth rate	0.0%	1.0%
Discount rate	15.13%	8.28%

As a result, the book amounts of cash generating unit are not expected to exceed the recoverable amounts.

The expected impairment loss upon fluctuation in perpetual growth rate and discount rate are as follows:

		Impair	ment	
	POK busir	ness	Hyosung Vina Chemical	
Decrease in perpetual growth rate by 0.5%pt	\mathbf{W}	-		-
Increase in discount rate by 0.5%pt		-		-

During the year, the Group has capitalized borrowing costs amounting to $\forall 23,249$ million on property, plant and equipment that are qualifying assets. The capitalization rate of borrowings used to determine the amount of borrowing costs to be capitalized is 3.5%.

16.Leases

(a) Amounts recognized in the consolidated statements of financial position

The consolidated statements of financial position shows the following amounts relating to leases:

(in millions of Korean won)		2021		2020		
Right-of-use assets ¹						
Real estate	₩	5,012	₩	8,146		
Land		56,567		54,053		
Water		254		-		
Facility equipment		11		32		
Vehicles		580		378		
Others		2,577		5,725		
	₩	65,001	₩	68,334		

¹ Included in 'property, plant and equipment' in the consolidated statements of financial position.

(in millions of Korean won)		2021		2020
Lease liabilities ¹				
Current	₩	3,715	₩	3,378
Non-current		7,638		10,726
	₩	11,353	₩	14,104

¹ Included in 'other financial liabilities' in the consolidated statements of financial position.

Additions to right-of-use assets due to new contracts and changes in lease contracts amount to $\forall 1,339 (2020: \forall 13,765 \text{ million})$ for the year ended December 31, 2021.

(b) Amount recognized in the consolidated statements of profit or loss

The amounts recognized in the consolidated statements of profit or loss in relation to leases are as follows:

(in millions of Korean won)		2021	2020		
Depreciation of right-of-use assets					
Real estate	₩	3,318	₩	2,953	
Land		2,236		938	
Water		16		-	
Facility equipment		21		6	
Vehicles		311		268	

(in millions of Korean won)		2021		2020
Others		192		41
	₩	6,094	₩	4,206
Interest expense (included in financial cost) Expense relating to short-term leases and leases of low-value assets (included in 'cost of sales' and	₩	203	₩	143
'selling, general and administrative expenses')		4,108		4,200

The total cash outflow for leases in 2021 was ₩ 7,906 million (2020: ₩ 7,591 million).

17.Intangible Assets

Changes in intangible assets for the years ended December 31, 2021 and 2020, are as follows:

(in millions of	2021												
Korean won)	I	ndustrial rights	Oth	ner intangible assets ¹	Ме	embership	Total						
Beginning balance	₩	1,602	₩	14,324	₩	7,200	₩	23,126					
Additions		69		15,850		-		15,919					
Disposals		-		(2,506)		(1,200)		(3,706)					
Amortization		(366)		(2,393)		-		(2,759)					
Transfers and others ²		-		(73)		-		(73)					
Others (F/X change)		-		1,471		-		1,471					
Ending balance	₩	1,305	₩	26,673	₩	6,000	₩	33,978					

¹ Facility usage rights and etc. are included.

² Transfers include transfers between property, plant and equipment and intangible assets, etc.

(in millions of	2020												
Korean won)		dustrial rights		er intangible assets ¹	Men	nbership	Total						
Beginning balance	₩	1,969	₩	63,903	₩	7,200	₩	73,072					
Additions		48		75		-		123					
Amortization		(415)		(706)		-		(1,121)					
Transfers and others ²		-		(43,597)		-		(43,597)					
Others (F/X change)		-		(5,351)		-		(5,351)					
Ending balance	₩	1,602	₩	14,324	₩	7,200	₩	23,126					

¹ Facility usage rights and etc. are included.

² Transfers include transfers between property, plant and equipment and intangible assets, etc.

Amortization of $\forall 2,171 \text{ million}$ (2020: $\forall 477 \text{ million}$) is included in manufacturing costs, $\forall 253 \text{ million}$ (2020: $\forall 279 \text{ million}$) in 'research and development expenses', and $\forall 335 \text{ million}$ (2020: $\forall 365 \text{ million}$) in 'selling, general and administrative expenses'

18.Insurance Coverage

As at December 31, 2021, property, plant and equipment are insured, and details of insurance are as follows:

(in millions of Korean won)	Insured assets	Воо	k amount	Insu	red amount	Insurance company		
Package insurance	Property, plant and equipment	₩	2,221,588	₩	6,604,907	Samsung Fire and Marine Insurance Co., Ltd. and others		

19.Investments in Associates

Details of investments in associates as at December 31, 2021 and 2020, are as follows:

	Percentage of	ownership (%)		
	2021	2020	Location	Reporting month
Shinwha Intertek Corp.1	20%	20%	Korea	December 31

¹The Group acquired an additional 4% of shares in March 2020 to meet the holding company requirements of Hyosung Corporation, and the percentage of ownership changed from 15.26% to 20% as at December 31, 2020.

Changes in investments in associates for the years ended December 31, 2021 and 2020, are as follows:

(in millions of												
Korean won)						Valua	tion	of equity met	hod			
	Be	ginning	Acquisition (disposal)	ì	equ metl	method compre		Other mprehensive income	nprehensive			ding
Shinwha Intertek Corp.	₩	15,716	₩	-	₩	326	₩	474	₩	(327)	₩	16,189

(in millions of Korean won)				2020 ation of equity met	bod	
	Beginning	Acquisition (disposal)	Gain on equity method investments	Other comprehensive income	Others ²	Ending
Shinwha Intertek Corp.	₩ 10,738	₩ 3,541	₩ 699	₩ (10)	₩ 748	₩ 15,716

¹ The Group recognized dividends received and adjustments of legal reserves amounting to $\forall \forall$ (-) 291 million and $\forall \forall$ (-) 36 million, respectively, for the year ended December 31, 2021.

² Group recognized bargain purchase gain due to purchase of additional shares and dividends received amounting to $\forall \forall 970$ million and $\forall (-) 222$ million, respectively, for the year ended December 31, 2020.

Summary of condensed financial information of 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, 2021 and 2020, are as follows:

(in millions of										2021								
Korean won)		urrent ssets	ent Non-current Current Non-current		Operating income from continuing operations		Other comprehen- sive income		Total comprehen- sive income		Divide receivee assoc	d from						
Shinwha Intertek Corp.	₩	68,277	₩	105,700	₩	64,582	₩	8,923	₩	246,413	₩	1,177	₩	474	₩	1,651	₩	291
(in millions of Korean won)		urrent ssets		current sets		urrent bilities		current	Re	2020 venue	incom conti	rating e from nuing ations	Oth compr sive in	ehen-		tal rehen- ncome	Divider received associa	from
Shinwha Intertek Corp.	₩	66,672	₩	104,730	₩	72,655	₩	645	₩	255,628	₩	2,883	₩	82	₩	2,965	₩	222

Details of adjustments from financial information of associates to the book amount of investments in associates as at December 31, 2021 and 2020, are as follows:

(in millions of	2021										
Korean won)	Net assets (a)	Percentage of ownership (b)	net	rests in assets axb)	Goodwill		Inter-group transactions	C	Others		3ook nount
Shinwha Intertek Corp.	₩ 100,472	20.00%	₩	20,094	₩	-	₩ -	₩	(3,905)	₩	16,189

(in millions of						2020						
Korean won)	Ne	t assets (a)	Percentage of ownership (b)	net	erests in t assets (axb)	Goodwill	I	Inter-group transactions		Others		Book nount
Shinwha Intertek Corp.	₩	98,102	20.00%	₩	19,619	₩	-	₩ -	₩	(3,903)	₩	15,716

Fair value of marketable investments in associates as at December 31, 2021 and 2020, is as follows:

(in millions of Korean won)	2021								
	Number of shares	Market prie share (in Korean	e	Fair	[.] value	Book	value		
Shinwha Intertek Corp.	5,827,100	₩	3,055	₩	17,802	₩	16,189		
(in millions of Korean won)			2020)					
	Number of shares					Book	value		
Shinwha Intertek Corp.	5,827,100	₩	3,285	₩	19,142	₩	15,716		

20.Related Party Transactions

Details of associates and other related parties as at December 31, 2021, are as follows:

Significant Influence over the Group

Location	Related party
Domestic	Hyosung Corporation
Associates	
Location	Related party
Domestic	Shinwha Intertek Corp.
Other related partie	S
Location	Related party
Domestic	Galaxia Device Co., Ltd., GALAXIA ELECTRONICS CO., LTD, Hyosung Trans World Co., Ltd. ¹ , Kongduk Development Co., Ltd., THE CLASS H YOSUNG, THE PREMIUM HYOSUNG Co., Ltd., Dong Ryung Co., Ltd.,

Location	Related party					
	Shin Dong Jin Co., Ltd., A-Seung Automotive Group, Trinity Asset Manag ement Co., Ltd, Hyosung Premier Motors Corporation, ASC Co. Ltd., Hyo sung GoodSprings, Inc., HYOSUNG TNS INC., atmplus,Inc, NAUTILUS HYOSUNG CMS INC, Forza Motors Korea Corp., HYOSUNG FMS INC. a nd others					
China	Huizhou Galaxia Device Electronics., Co.Ltd, Weihai newsolim Electronics., Co.Ltd, Qingdao Galaxia Device Electronics., Co.Ltd, Tianjin Galaxia Device Electronics., Co.Ltd, DONGGUAN SHINWHA INTERTEK CORP., SHINWHA INTERTEK(SUZHOU), DNS Technology Co., Ltd and others					
Asia	Galaxia Japan, VINA ASC AUTOMOTIVE COMPANY LIMITED, Hyosung (H.K) LIMITED and others					
Europe	Hyosung RUS and others					
America	Hyosung Holdings USA, Inc., Hyosung Mexico S. de R.L. de C.V., and others					
Others	Hyosung Resource (Australia) PTY Ltd. and others					

¹ Hyosung Trans World Co., Ltd was excluded from the related parties due to the merger with Hyosung Corporation in February 2021.

Others¹

Location	Related party
Domestic	Hyosung Heavy Industries Corporation, Hyosung Advanced Materials Corporation, Hyosung TNC Corporation, CHINHUNG INTERNATIONAL INC., Taebaek Wind Power Co., Ltd., Pyeongchang Wind Power Co., Ltd., Gal axia SM, INC., Galaxia Moneytree Co., Ltd., THE KWANGJUILBO, Some sevit Corporation, Hyosung ITX. CO., LTD, HYOSUNG INFORMATION S YSTEMS CO.,LTD and others
China	GST Automotive Safety(Changshu) Co. Ltd, Hyosung Spandex (Jiaxing) Co., Ltd., Hyosung Chemical Fiber(Jiaxing) Co., Ltd., Hyosung Spandex (Quzhou) Co., Ltd., Hyosung Chemicals(Jiaxing) Co., Ltd., Hyosung International Trade(Jiaxing) Co., Ltd., Hyosung Spandex (GuangDong) Co., Hyosung Spandex (Zhuhai) Co. and others
Asia	GST China Investment Limited, Hyosung (H.K) LIMITED, Hyosung (Taiwan) Corporation, HYOSUNG INDIA Pvt Ltd, Hyosung Corporation India Private Limited., Hyosung DongNai Co, LTD, Hyosung International(HK) Ltd., Hyosung Japan Co., Ltd., Hyosung Singapore PTE Ltd., PT. HYOSUNG JAKARTA, Hyosung Vietnam Co., Ltd., HYOSUNG T&D INDIA Pvt Ltd,
America	Global Safety Textiles U.S. Holdings, Inc., GST Automotive Safety Components International LLC, Nautilus Hyosung America Inc., GST Safety Textiles Mexico S. de R.L. de C.V, Hyosung Mexico CITY S.A de C.V. and others
Europe	Global Safety Textiles GmbH, Green Plan Energy(Wellingborough) Limited, GST Automotive Safety Poland Sp.z.oo, GST Global GmbH, Hyosung Europe SRL, Hyosung Istanbul TEKSTIL LTD.STI, Hyosung Luxembourg S.A and others
Others	GST Automotive Safety South Africa(Proprietary) Limited, Hyosung Resource (Australia) PTY Ltd., Hyosung South Africa (PTY) LTD. and others

¹ Although the entities are not related parties of the Group in accordance with Korean IFRS 1024, the entities belong to the large enterprise group that the Group also belongs to in accordance with the

Monopoly Regulation and Fair Trade Act.

Sales and purchases with related parties for the years ended December 31, 2021 and 2020, are as follows:

(in millions of 2021 Acquisition of Korean won) property, plant and equipment Acquisition Sales and **Purchases** and intangible of right-of-Interest **Related party** others¹ and others¹ assets use assets expense² Significant Hyosung influence over ₩ 6 125,248 ₩ ₩ ₩ ₩ Corporation the Group Shinwha Intertek 11,869 Associates 113 Corp. Shin Dong Jin Co., Other related 37 55 97 Ltd. parties Kongduk 6 Development Co., 8 Ltd. Hyosung Trans 5,310 _ World Co., Ltd.³ Hyosung Holdings 7,208 32 _ USA 1,067 Others 17 61 -7,208 6,514 17 37 64 Hyosung TNC Others 224,615 94,542 _ 64 Corporation Hyosung Heavy 2,154 13,309 Industries Corporation Hyosung Advanced 356 Materials Corporation Hyosung Japan Co., 68,078 18 Ltd. Hyosung NEW Material & High 8,523 Technology (Quzhou) Co., Ltd Hyosung International(HK) 13,307 Ltd. Hyosung Chemical 35,824 Fiber(Jiaxing) Co., 4,209 Ltd. 281 Others 2,191 6,461 115 1 320,923 139,355 13,590 115 65 340,006 271,230 ₩ 13,607 152 126 ₩ ₩ ₩ ₩

¹ Sales, other income, interest income and others are included in sales and others. Purchase of raw materials, selling, general and administrative expenses, other expenses and others are included in purchases and others.

² Interest expense recognized in accordance with lease contracts of buildings is $\forall 126$ million for the year ended December 31, 2021.

³ It represented the transaction amounts before the merger with Hyosung Corporation in February 2021.

(in millions of		2020								
Korean won)	Related party	Sales and others ¹	Purchases and others ¹	Acquisition of property, plant and equipment and intangible assets	Acquisition of right-of- use assets	Interest expense ²				
Significant influence over the Group	Hyosung Corporation	₩ 9	₩ 27,915	₩ 246	₩ -	₩ -				
Associates	Shinwha Intertek Corp.	17,026	21	-	-	-				
Other related parties	Shin Dong Jin Co., Ltd.	-	105	-	4,539	50				
	Kongduk Development Co., Ltd.	-	100	-	936	8				
	Hyosung Trans World Co., Ltd.	-	42,941	-	-	-				
	Hyosung Holdings USA	4,474	315	-	-	-				
	Others	-	1,206	946	-	1				
		4,474	44,667	946	5,475	59				
Others	Hyosung TNC Corporation	130,800	69,951	-	2,769	44				
	Hyosung Heavy Industries Corporation	171	685	6,938	-	-				
	Hyosung Advanced Materials Corporation	-	430	-	-	-				
	Hyosung Japan Co., Ltd.	53,076	14	-	-	-				
	Hyosung NEW Material & High Technology (Quzhou) Co., Ltd	16,475	-	-	-	-				
	Hyosung International(HK) Ltd.	16,289	-			-				
	Hyosung Chemical Fiber(Jiaxing) Co., Ltd.	2,135	30,769	-	-	-				
	Others	2,553	4,267	1,758	42	1				

(in millions of				2020		
Korean won)	Related party	Sales and others ¹	Purchases and others ¹	Acquisition of property, plant and equipment and intangible assets	Acquisition of right-of- use assets	Interest expense ²
		221,499	106,116	8,696	2,811	45
		₩ 243,008	₩ 178,719	₩ 9,888	₩ 8,286	₩ 104

¹ Sales, other income, interest income and others are included in sales and others. Purchase of raw materials, selling, general and administrative expenses, other expenses and others are included in purchases and others.

² Interest expense recognized in accordance with lease contracts of buildings is $\forall 104$ million for the year ended December 31, 2020.

Outstanding balances arising from sales/purchases of goods and services as at December 31, 2021 and 2020, are as follows:

(in millions of				2021			
Korean won)	Related party	Trade receivables	Other receivables ¹	Trade payables	Other payables ¹	Lease liabilities ²	
Significant influence over the Group	Hyosung Corporation	₩ -	₩ 52	₩ 347	₩ 26,637	₩ -	
Associates	Shinwha Intertek Corp.	1,417	-	-	-	-	
Other related parties	Shin Dong Jin Co., Ltd. Kongduk Development Co., Ltd.	-	1,122	-	-	2,444 360	
	PT.Hyosung Jakarta	-	101	-	-	300	
	Hyosung Holdings USA	- 2,647	-	-	35 2	-	
	Others	_	-	1	200	_	
		2,647	1,273	1	237	2,804	
Others	Hyosung TNC Corporation Hyosung Heavy	22,648	524	9,144	935	1,880	
	Industries Corporation ³ Hyosung Advanced Materials	-	-	242	6,623	-	
	Corporation Hyosung Chemical Fiber(Jiaxing) Co.,		366	38	-		
	Ltd.	1,787	-	7,743	-	-	
	Hyosung Japan Co.,	3,834		10		-	

(in millions of 2021 Korean won) Trade Other Other Lease **Related party** receivables receivables¹ **Trade payables** payables¹ liabilities² Ltd. Hyosung NEW Material & High Technology (Quzhou) Co., Ltd 499 Hyosung Chemical (Jiaxing) Co., Ltd. 656 18 Others 1,922 8 1,160 149 31,346 916 17,177 8,718 2,029 ₩ 35,410 ₩ 2,241 ₩ 17,525 ₩ 35,592 ₩ 4,833

¹ Non-trade receivables, advance payments, guarantee deposits and others are included in other receivables. Non-trade payables, deposits received, provisions for restoration and others are included in other payables.

 2 The balance of lease liabilities recognized in accordance with lease contracts of buildings amount to $\ensuremath{\mathbb W}$ 4,833 million as at December 31, 2021.

³ The Group recognized \forall 6,000 million of memberships for Hyosung Heavy Industries Corporation as memberships.

(in millions of		2020								
Korean won)	Related party	Trade receivables	Other receivables ¹	Trade payables	Other payables ¹	Lease liabilities ²				
Significant influence over the Group	Hyosung Corporation	₩ -	₩ 371	₩ 86	₩ 2,505	₩ -				
Associates	Shinwha Intertek Corp.	2,732	-	-	-	-				
Other related parties	Shin Dong Jin Co., Ltd. Kongduk	-	1,343	-	220	4,646				
	Development Co., Ltd.	-	-	-	-	860				
	Hyosung Trans World Co., Ltd.	-	-	2,850	6,296	-				
	Hyosung Holdings USA	-	-	-	110	-				
	Others	-	-	476	93	-				
		-	1,343	3,326	6,719	5,506				
Others	Hyosung TNC Corporation Hyosung Heavy	14,864	524	6,672	614	2,395				
	Industries Corporation ³	-	386	-	314	-				
	Hyosung Advanced Materials Corporation	-	366	36	-	-				

(in	mill	lions	0
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(in millions of						2020					
Korean won)	Related party		Trade eivables	Other receivables	1	Trade payables		ther ables ¹	lia	Lease abilities ²	
	Hyosung Chemical Fiber(Jiaxing) Co., Ltd.	458		107		3,526		-		-	
	Hyosung Japan Co., Ltd.		1,440		-	165		-		-	
	Hyosung NEW Material & High Technology (Quzhou) Co., Ltd		4,912		-	-		-		-	
	Hyosung Chemical (Jiaxing) Co., Ltd.		526	1	8	-		-		-	
	Others		189		8	102		901		37	
			22,389	1,40)9	10,501		1,829		2,432	
		₩	25,121	₩ 3,12	23	₩ 13,913	₩	11,053	₩	7,938	

¹Non-trade receivables, advance payments, guarantee deposits and others are included in other receivables. Non-trade payables, deposits received, provisions for restoration and others are included in other payables.

² The balance of lease liabilities recognized in accordance with lease contracts of buildings amount to $\forall 7,938$ million as at December 31, 2021.

³ The Group recognized $\forall 7,200$ million of memberships for Hyosung Heavy Industries Corporation as memberships

Fund transactions with related parties for the year ended December 31, 2021, are as follows:

(in millions of		2021					
Korean won)		Borrowing t	ransactions	Contributions	Acquisition of		
	Related party	Borrowings ¹	Repayments ¹	in cash	shares		
Other related parties	Shin Dong Jin Co., Ltd.	₩ 37	₩ 2,239	₩ -	₩ -		
	Gongdeok Gyeongwoo Development Corporation	-	500	-	-		
		37	2,739	-	-		
Others	Hyosung TNC Corporation	-	515	-	-		
	KB Wise Star Professional Investment Private Real Estate Investment Trust #11	113	29	-	-		
		113	544	-	-		
		₩ 150	₩ 3,283	₩ -	₩ -		

¹ The Group recognized additional lease liabilities amounting to $\forall 150$ million due to lease contract of the office as at December 31, 2021. The repayments of lease liabilities and interest expense amount to $\forall 3,283$ million and $\forall 126$ million, respectively, for the year ended December 31, 2021.

	(in	millions	of
1	(111	1111110113	UI

(in millions of				2020		
Korean won)		Borrowing	transactions		Dividends	Acquisition of
	Related party	Borrowings	Repayments ²	Dividends paid	received	shares
Significant influence over the Group	Hyosung Corporation	₩ -	₩ -	₩ 3,217	₩ -	₩ -
Associates	Shinwha Intertek Corp.1	-	-	-	222	3,541
Other related parties	Shin Dong Jin Co., Ltd.	4,405	2,285	-	-	-
	Kongduk Development Co., Ltd. ²	914	340	-	-	-
	Gongdeok Gyeongwoo Development Corporation	-	27	-	-	-
		5,319	2,652	-	-	-
Others	Hyosung TNC Corporation ³ KB Wise Star	2,645	294	-	-	-
	Professional Investment Private Real Estate Investment Trust #11	40	3	-	-	-
		2,685	297	-	-	-
		₩ 8,004	₩ 2,949	₩ 3,217	₩ 222	₩ 3,541
		vv 0,004	vv 2,949	vv 3,217	vv 222	vv 5,541

¹The Group acquired additional 1,380,873 shares of Shinwha Intertek Corp. for the year ended December 31, 2020.

² The Group additionally recognized right-of-use assets and lease liabilities amounting to $\forall 936$ million and ₩ 914 million, respectively, due to change in office lease contract as at December 31, 2020. The repayments of lease liabilities and interest expense amount to $\forall 340$ million and $\forall 8$ million, respectively, for the year ended December 31, 2020.

³ The Group recognized right-of-use assets and lease liabilities amounting to \# 2,769 million and ₩ 2,645 million, respectively, due to lease contract of the plant as at December 31, 2020. The repayments of lease liabilities and interest expense amount to $\forall 294$ million and $\forall 44$ million, respectively, for the year ended December 31, 2020.

The compensation paid or payable to key management who are executive directors for employee services for the years ended December 31, 2021 and 2020, consists of:

(in millions of Korean won)		2021	2	2020
Salaries and other short-term employee benefits	₩	1,155	₩	917
Post-employment benefits		93		117
	₩	1,248	₩	1,034

There are no payment guarantees provided by the Group to the related parties as at December 31, 2021.

There are no collaterals provided by the Group to the related parties as at December 31, 2021.

21. Trade Payables and Other Payables

Trade payables and other payables as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	s of Korean won) 2021			2020		
Trade payables	₩	235,034	₩	146,214		
Other payables		203,776		148,876		
Long-term other payables		13,270		13,186		
	₩	452,080	₩	308,276		

Details of other payables as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021		2020	
Other payables				
Non-trade payables	₩	171,090	₩	133,250
Accrued expenses		30,141		14,257
Withholdings		2,488		1,312
Deposits received		57		57
		203,776		148,876
Long-term other payables				
Non-trade payables		2		2
Accrued expenses		1,263		1,477
Deposits received		12,004		11,707
		13,269		13,186
	₩	217,045	₩	162,062

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

(in percentage)	2021	2020
Discount rate	1.20%~2.50%	1.80%~2.50%

The fair value of trade and other payables are similar to the book amount as at December 31, 2021.

22. Borrowings

Borrowings as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020
Short-term borrowings	₩	263,594	₩	119,000
Borrowings on trade receivables sales ¹		76,117		73,346
Long-term borrowings		1,187,946		878,041
Debentures		492,317		589,806
		2,019,974		1,660,193
Less: current portion		(582,592)		(303,764)
	₩	1,437,382	₩	1,356,429

¹ The Group sells trade receivables in foreign currency to financial institutions and accounts for as collateralized borrowings for transactions in which the Group has recourse to pay the relevant amount to the bank when the sales customers go bankrupt. (Notes 7 and 38)

The Group provides a part of the Group's property, plant and equipment as collateral for the above borrowings. (Notes 15 and 38)

Details of carrying amount of short-term borrowings as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	Creditor	Latest maturity date	Annual interest rate (2021) (%)	2	2021		2020
Short-term borrowing	gs denominated in Kore	an won					
General loan	NongHyup Bank and others	2022-01-07	2.38~2.53%	₩	7,900	₩	85,300
Others	Shinhan Bank and others	2022-11-09	3.40~3.51%		7,742		5,757
Short-term borrowing	gs denominated in forei	gn currency					
General loan	Vietcom Bank and others	2022-12-30	1.36~2.16%		247,951		27,943
Borrowings on trade receivables sales	Woori Bank and others	-	-		76,118		73,346
				₩	339,711	₩	192,346

Details of carrying amount of long-term borrowings as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	Creditor	Latest maturity date	Annual interest rate (2021) (%)	2021	2020
Long-term borrowings	denominated in Kore	an won			
General loan	Industrial and Commercial Bank of China and others	2023-03-29	2.48~2.95%	₩ 50,000	₩ 88,000
Facility loan	-	-	-		12,500
Long-term borrowings	denominated in forei	gn currency			
General loan	Industrial and Commercial Bank of China	2025-12-23	3.01~3.09%	53,348	5,440
Facility loan	Korea Development Bank and others	2023-07-07	2.21%	1,084,598	772,101
				1,187,946	878,041
Less: current portion				(48,000) (13,440)
				₩ 1,139,94	6 ₩ 864,601

Details of carrying amount of debentures as at December 31, 2021 and 2020, are as follows:

(in millions of Korean wor)	Latest	Annual interest rate			
		maturity date	(2021) (%)	2021		2020
Public bond	259-2	-	-	₩ -	₩	98,000
Private bond	1	2022-03-08	3.19%	30,000		30,000
Public bond	2-1	2022-05-10	2.55%	85,000		85,000
Public bond	2-2	2024-05-10	3.03%	50,000		50,000
Public bond	3-1	2022-12-02	2.49%	80,000		80,000
Public bond	3-2	2024-12-03	2.89%	54,000		54,000
Public bond	4-1	2023-02-17	2.47%	117,000		117,000
Public bond	4-2	2025-02-19	2.74%	67,000		67,000
Private bond	5	2023-09-22	2.42%	10,000		10,000
				493,000		591,000
Discount on debentures				(683)		(1,194)
Less: current portion				(194,881)		(97,978)
				₩ 297,436	₩	491,828

23. Net Defined Benefit Liabilities

Details of net defined benefit liabilities recognized in the consolidated statements of financial position as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Present value of defined benefit obligations	₩	68,443	₩	65,126	
Fair value of plan assets ¹		(73,564)		(68,562)	
Net defined benefit liabilities (assets)	$\forall \forall$	(5,121)	₩	(3,436)	

¹ The contributions to the National Pension Fund of $\forall 34$ million (2020: $\forall 34$ million) are included in the fair value of plan assets as at December 31, 2021.

The amounts of defined benefit plan recognized in the consolidated statements of income for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	:	2021		2020
Current service cost	₩	8,201	₩	7,838
Interest expense		1,449		1,199
Interest income		(1,744)		(1,423)
Total expense included in employee benefit	₩	7,906	₩	7,614

Line items including total expense of defined benefit plan in the consolidated statements of income for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020
Cost of sales	₩	5,269	₩	4,959
Selling, general and administrative expenses		2,531		2,599
Research and development expenses		106		56
	₩	7,906	₩	7,614

Movements in the defined benefit obligations for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Beginning balance	₩	65,126	₩	56,437	
Current service cost		8,201		7,838	
Interest expense		1,449		1,199	
Benefit payments		(4,722)		(4,547)	
Remeasurements:					
Change in demographic assumptions		(1,431)		-	
Change in financial assumptions		(1,278)		2,118	
Experience adjustments		1,615		1,442	
Transfer from (to) associates		(517)		639	
Ending balance	₩	68,443	₩	65,126	

Movements in the fair value of plan assets for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021			2020		
Beginning balance	₩	68,562	₩	58,374		
Interest income		1,744		1,423		
Employer's contributions		7,900		12,300		
Benefit payments		(3,265)		(3,727)		
Remeasurements		(944)		(497)		
Transfer from (to) associates		(433)		689		
Ending balance	₩	73,564	₩	68,562		

Plan assets as at December 31, 2021 and 2020, consist of:

(in millions of Korean won)		202	1	2020			
	A	mount	Portion (%)		Amount	Portion (%)	
Fixed interest financial instruments	₩	66,768	90.8	₩	57,280	83.5	
Deposits and others		6,796	9.2		11,282	16.5	
	₩	73,564	100.0	₩	68,562	100.0	

Remeasurements of net defined benefit liabilities recognized as other comprehensive income (expenses) for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021			2020		
Before income tax effects	₩	149	₩	(4,057)		
Income tax effects		(36)		981		
After income tax effects	₩	113	₩	(3,076)		

Accumulated remeasurements of net defined benefit liabilities recognized as retained earnings is $\forall 9,737 \text{ million} (2020: \forall 9,850 \text{ million}) \text{ as at December 31, 2021.}$

The significant actuarial assumptions as at December 31, 2021 and 2020, are as follows:

(in percentage)	2021	
Discount rate	2.98%	2.49%
Salary growth rate	3.22%	2.93%

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

	Changes in assumption	Impact on defined benefit obligation
Discount rate	1.0% Increase/Decrease	8.45% Decrease / 9.94% Increase
Salary growth rate	1.0% Increase/Decrease	9.82% Increase / 8.51% Decrease

The above sensitivity analyses are based on a change in an assumption while holding all other assumptions constant. The sensitivity of the defined benefit obligation to changes in principal actuarial assumptions is calculated using the projected unit credit method, the same method applied when calculating the defined benefit obligations recognized on the consolidated statement of financial position.

Effect of defined benefit obligation on future cash flows

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, 2022, are ₩ 7,660 million and the expected balance of plan assets is ₩ 78,406 million as at December 31, 2022.

The expected maturity analysis of undiscounted pension benefits as at December 31, 2021, is as follows:

(in millions of Korean won)	Les	ss than 1 year	Be	etween 1~2 years	Between 2~5 years				Total	
Pension benefits	₩	4,971	₩	6,395	₩	18,782	₩	115,467	₩	145,615

The weighted average duration of the defined benefit obligations is 9.38 years.

The expense recognized in the current period in relation to defined contribution plan was $\forall 1,421$ million (2020: $\forall 1,064$ million).

24.Tax Expense and Deferred Tax

Income tax expense for the years ended December 31, 2021 and 2020, consists of:

(in millions of Korean won)		2021	2020		
Current tax					
Current tax on profit for the year	₩	47,280	₩	18,011	
Claim for tax return and others		(2,009)		(263)	
		45,271		17,748	
Deferred tax					
Decrease in temporary differences		(1,315)		(2,710)	
		(1,315)		(2,710)	
Income tax expense	₩	43,956	₩	15,038	

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 Group as follows:

(in millions of Korean won)	2021			2020	
Profit before income tax expense Tax at domestic tax rates applicable to profits in	₩	114,371	₩	3,421	
the respective countries		41,711		13,287	
 Income not subject to tax 		(41)		(3)	
- Expenses not deductible for tax purposes		415		192	
- Claim for tax return and others		(1,957)		(407)	
- Tax credits		(697)		(712)	
 Effect of the tax system for recirculation of corporate income 		4,525		1,524	

(in millions of Korean won)	2021			2020		
- Others		-		1,157		
Income tax expense	₩	43,956	₩	15,038		

The tax effect relating to components of other comprehensive income (expenses) for the years ended December 31, 2021 and 2020, is as follows:

(in millions of			2021		2020							
Korean won)	Before tax Tax effect After tax		fter tax	Before tax		Tax effect		After tax				
Remeasurements of net defined benefit liabilities Overseas operations translation gain (loss)	₩	(149) (28,124)	₩	36	₩	(113) (28,124)	₩	4,057 25,789	₩	(982) (4,024)	₩	3,075 21,765
Gain on valuation of financial assets at fair value through other comprehensive income		(15)		4		(11)						
	₩	(28,288)	₩	40	₩	(28,248)	₩	29,846	₩	(5,006)	₩	24,840

The analysis of deferred tax assets and deferred tax liabilities as at December 31, 2021 and 2020, is as follows:

(in millions of Korean won)		2021	2020		
Deferred tax assets					
Deferred tax assets to be recovered after more than 12 months	₩	37,001	₩	34,214	
Deferred tax assets to be recovered within 12 months		3,423		2,596	
		40,424		36,810	
Deferred tax liabilities					
Deferred tax liabilities be recovered after more than 12 months Deferred tax liabilities to be recovered within 12		(28,944)		(27,448)	
months		(848)		(5)	
		(29,792)		(27,453)	
Deferred tax assets, net	₩	10,632	₩	9,357	

The movements in the deferred income tax account for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Beginning balance	₩	9,357	₩	1,641	
Tax charged to the statement of profit or loss Tax charged to components of other		1,315		2,710	
comprehensive income		(40)		5,006	
Ending balance	₩	10,632	₩	9,357	

The movement in deferred tax assets and liabilities for the years ended December 31, 2021 and 2020, without taking into consideration the offsetting of balances within the same tax jurisdiction, is as follows:

(in millions of Korean won)	2021									
	Beginning balance		Profit or loss		Other comprehensive income		Ending balance			
Deferred tax liabilities										
Surplus on revaluation of land Defined benefit pension plan	₩	(11,133)	₩	-	₩	-	₩	(11,133)		
assets		(16,255)		(1,503)		(36)		(17,794)		
Others		(65)		(800)		-		(865)		
	_	(27,453)		(2,303)		(36)		(29,792)		
Deferred tax assets Post-employment benefit obligation		15,244		1,062		-		16,306		
Provision for receivables in excess of tax limit		84		(84)		-		-		
Government grants		21		124		-		145		
Loss on valuation of inventories Impairment loss on property,		617		1,087		-		1,704		
plant and equipment		16,866		-		-		16,866		
Accrued compensated absence Long-term employment		785		166		-		951		
allowance		357		(51)		-		306		
Others		2,836		1,314		(4)		4,146		
		36,810		3,618		(4)		40,424		
	₩	9,357	₩	1,315	₩	(40)	₩	10,632		

(in millions of Korean won)	2020								
	Beginning balance		Profit or loss			Other mprehensive income	Ending balance		
Deferred tax liabilities									
Surplus on revaluation of land Defined benefit pension plan	₩	(11,133)	₩	-	₩	-	₩	(11,133)	
assets		(13,568)		(3,669)		982		(16,255)	
Others		(5,994)		1,905		4,024		(65)	
		(30,695)		(1,764)		5,006	_	(27,453)	
Deferred tax assets Post-employment benefit									
obligation Provision for receivables in		13,267		1,977		-		15,244	
excess of tax limit		-		84		-		84	
Government grants		17		4		-		21	
Loss on valuation of inventories Impairment loss on property,		1,260		(643)		-		617	
plant and equipment		14,496		2,370		-		16,866	
Accrued compensated absence Long-term employment		1,317		(532)		-		785	
allowance		266		91		-		357	
Others		1,713		1,123		-		2,836	
		32,336		4,474		-		36,810	
	₩	1,641	₩	2,710	₩	5,006	₩	9,357	

The future possibility of realizing deferred tax assets depends on a number of factors, including the Group's ability to generate taxable income during the period when the temporary differences are realized, the overall economic environment and the industry outlook. The Group periodically reviews these matters, and the Group recognized deferred tax assets for all deductible temporary differences except for deductible temporary differences not realizable as at December 31, 2021, which are deductible temporary difference related to investments in associates amounting to $\forall 21,262$ million (2020: $\forall 21,262$ million) and the accumulated deficit of Hyosung Vina Chemicals Co., Ltd.

25.Other Liabilities

Details of other liabilities as at December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Other current liabilities						
Unearned revenues ¹	₩	9,278	₩	-		
Provision for greenhouse gas emission ²		76		2,960		
Other provisions		-		1		
Advances from customers		8,736		5,880		
		18,090		8,841		
Other non-current liabilities						
Unearned revenues		996		1,292		
Provision for loss		12,240		5,782		
Provision for restoration		59		59		
		13,295		7,133		
	₩	31,385	₩	15,974		

¹ In relation to the performance obligation satisfied over time, contract liabilities of $\forall 8,607$ million are included.

² Regarding greenhouse gas emissions, the Group sets provision for expected expenses arising from emissions exceeding the Group's emission rights capacity in a given year. (Note 39)

Changes in provisions for the year ended December 31, 2021, are as follows:

(in millions of Korean won)	Greenhouse gas emission		Loss		Restoration		Others		Total	
Beginning balance	₩	2,960	₩	5,782	₩	59	₩	1	₩	8,802
Profit or loss:		(2,884)		6,458		-		(1)		3,573
Additional provisions		76		6,511		-		-		6,587
Used during the year		(2,960)		(53)		-		(1)		(3,014)
Ending balance	₩	76	₩	12,240	₩	59	₩	-	₩	12,375
Current	₩	76	₩	-	₩	-	₩	-	₩	76
Non-current		-		12,240		59		-		12,299

(in millions of Korean won)		enhouse gas								
	err	nission		Loss	Resto	oration	Oth	ers		otal
Beginning balance	₩	-	₩	-	₩	-	₩	-	₩	-
Profit or loss:		2,960		1,628		59		1		4,648
Additional provisions		2,960		2,135		59		1		5,155
Used during the year		-		(507)		-		-		(507)
Transfers		-		4,154		-		-		4,154
Ending balance	₩	2,960	₩	5,782	₩	59	₩	1	₩	8,802
Current	₩	2,960	₩	-	₩	-	₩	1	₩	2,961
Non-current		-		5,782		59		-		5,841

Changes in provisions for the year ended December 31, 2020, are as follows:

26.Share Capital

The Group's total number of authorized shares is 200,000,000 shares and the total number of ordinary shares issued is 3,190,126 shares with a par value of $\forall 5,000$ per share. There is no change in share capital for the year ended December 31, 2021.

27. Retained Earnings

Retained earnings as at December 31, 2021 and 2020, consist of:

(in millions of Korean won)		2021		2020	Remark		
Legal reserves	₩	1,907	₩	1,907	1		
Retained earnings before appropriation		136,316		65,700			
	$\forall \forall$	138,223	₩	67,607			

¹ 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 share capital. The reserve is not available for cash dividends payment, but may be transferred to share capital or used to reduce accumulated deficit. When the accumulated legal reserves (the sum of capital reserves and earned profit 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).

Changes in retained earnings for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020
Beginning	₩	67,607	₩	98,175
Profit (loss) for the year		70,414		(11,617)
Remeasurements of net defined benefit liabilities		257		(3,062)
Annual dividends		-		(15,889)
Loss on valuation of investments in associates		(55)		-
Ending	₩	138,223	₩	67,607

28.Other Components of Equity

Other components of equity as at December 31, 2021 and 2020, consist of:

(in millions of Korean won)		2021		2020
Other capital surplus	₩	1,268	₩	1,268
Treasury shares ¹		(1,843)		(1,843)
Changes in equity from applying the equity method		1,182		833
Overseas operations translation gain (loss)		18,964		(9,160)
Gain on valuation of financial assets at fair value through other comprehensive income		12		
	₩	19,583	₩	(8,902)

¹ The Group holds 12,331 treasury shares due to spin-off in 2018.

29.Revenue

Details of revenue for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020
Revenue from contracts with customers	₩	2,445,437	₩	1,810,991
Performance obligation satisfied at a point in time		2,351,520		1,778,143
Performance obligation satisfied over time		93,917		32,848
Revenue from other sources: rental and sub-lease rental				
income		7,553		6,199
	₩	2,452,990	₩	1,817,190

30. Expenses by Nature

Cost of sales, selling, general and administrative expenses and research and development expenses by nature for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Changes in inventories of finished goods and work in	14/			10.011	
process and others	₩	(87,193)	₩	13,811	
Sales of merchandise		51,907		39,911	
Raw materials and consumables used		1,508,001		1,098,779	
Employee benefits expenses (Note 31)		126,909		108,174	
Depreciation and amortization		196,279		176,938	
Electricity expense		133,211		125,761	
Export expense		134,880		66,620	
Fuel expense		21,000		14,125	
Service expense		19,195		17,976	
Outsourcing expense		5,557		3,767	
Other expenses		194,672		90,400	
Total ¹	₩	2,304,418	₩	1,756,262	

¹ Total of cost of sales, selling, general and administrative expenses and research and development expenses in the consolidated statements of income.

31.Employee Benefits Expenses

Employee benefits expenses for the years ended December 31, 2021 and 2020, consist of:

(in millions of Korean won)		2021	2020		
Salaries	₩	104,563	₩	87,664	
Employee welfare benefits		13,019		11,832	
Pension costs – defined contribution plans (Note 23)		1,421		1,064	
Pension costs – defined benefit plans (Note 23)		7,906		7,614	
	₩	126,909	₩	108,174	

32.Selling, General and Administrative Expenses

Selling, general and administrative expenses for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)	2021			2020		
Salaries	₩	28,395	₩	25,023		
Post-employment benefits		2,817		2,733		
Employee welfare benefits		3,114		2,900		
Training		469		371		
Service expenses		3,210		2,921		
Transportation		550		733		
Communications		504		519		
Taxes and dues		1,380		1,294		
Rental expenses		687		662		
Depreciation		3,470		3,669		
Amortization		335		365		
Bad debt expenses		151		304		
Advertising expenses		225		182		
Commission expenses		16,203		13,926		
Export expenses		13,086		11,213		
Others		4,323		5,107		
	₩	78,919	₩	71,922		

33.Other Income and Other Expenses

Details of other income and other expenses for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Other operating income						
Rental income	₩	298	₩	292		
Gain on disposal of property, plant and equipment		275		199		
Gain on disposal of leased assets		1		22		
Miscellaneous gains		6,857		6,494		
		7,431		7,007		
Other operating expenses						
Donations		911		470		
Loss on disposal of property, plant and equipment		74		171		
Loss on disposal of lease assets		4		1		

(in millions of Korean won)	2021	2020
Impairment loss on property, plant and equipment	-	9,800
Miscellaneous expenses	2,078	7,437
	3,067	17,879
	₩ 4,364	₩ (10,872)

34. Finance Income and Expenses

Details of finance income and expenses for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020			
Finance income						
Interest income						
- Financial assets at amortized costs	$\forall \forall$	209	₩	236		
Gain on foreign currency transactions		15,854		26,653		
Gain in foreign currency translation		4,638		12,516		
Gain on derivative transactions		10,278		7,894		
Gain on valuation of derivatives		45		9		
Others		2		-		
		31,026		47,308		
Finance expenses						
Interest income						
- Financial liabilities at amortized costs		33,356		42,453		
- Other financial liabilities		805		1,071		
Loss on foreign currency transactions		23,588		21,692		
Loss on foreign currency translation		7,419		17,370		
Loss on derivative transactions		1,348		9,319		
Loss on valuation of derivatives		536		978		
Others		2,865		2,728		
		69,917		95,611		
	₩	(38,891)	₩	(48,303)		

The Group recognizes income and expenses related to exchange differences as finance income and expenses.

35. Earnings (Loss) Per Share

Basic earnings (loss) per ordinary share is calculated as follows:

(in millions of Korean won)		2021	2020		
Profit(loss) attributable to the ordinary equity holders ¹ Weighted average number of ordinary shares	₩	70,414	₩	(11,616)	
outstanding ²	_	3,177,795		3,177,795	
Earnings(loss) per share (in Korean won)	₩	22,158	₩	(3,656)	

¹ Profit(loss) attributable to the ordinary equity holders is equal to profit(loss) for the year. ² Weighted average number of ordinary shares outstanding for the year ended December 31, 2021, are 3,177,795 shares. The Group purchased treasury shares of 12,331 as odd shares, which resulted from spin-off, after the Group got re-listed on July 13, 2018.

36.Dividends

The dividends in respect of the year ended December 31, 2019, amounting to a total dividend of $\forall 15,889$ million was paid in 2020. There are no dividends in respect of the year ended December 31, 2021.

37.Statement of Cash Flows

Details of cash generated from operations for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021	2020		
Profit before income tax	₩	114,371	₩	3,421	
Adjustments for:					
Interest income and expenses		33,956		43,288	
Loss on foreign currency translation		2,781		4,854	
Loss on valuation of derivatives		491		969	
Depreciation and amortization		192,547		176,938	
Gain on disposition of property, plant and equipment and investment property		(201)		(28)	
Impairment loss on property, plant and equipment and intangible assets		-		9,800	
Bad debt expense and other bad debt expense		151		304	
Post-employment benefits		7,906		7,614	
Gain on investments in associates		(326)		(1,669)	
Provision for loss on valuation of inventories (reversal)		7,619		(1,496)	
Valuation and scrap loss of inventories		1,074		4,149	

(in millions of Korean won)	2021	2020
Others	17,635	11,395
Changes in operating assets and liabilities:		
Increase in trade receivables	(36,142)	(33,474)
Increase in inventories	(260,358)	(20,240)
Increase in other receivables	(59,459)	(42,163)
Decrease (increase) in other assets	(5,710)	87,294
Increase in trade payables	80,641	17,175
Increase (decrease) in other payables	36,630	(20,446)
Payment of defined benefit liabilities	(1,542)	(870)
Payment of plan assets	(7,900)	(12,300)
Cash generated from operations	₩ 124,164	₩ 234,515

Changes in liabilities arising from financial activities for the years ended December 31, 2021 and 2020, are as follows:

(in millions of	2021											
Korean won)	-	Short-term borrowings		Current portion of long-term borrowings		Long-term Debentures borrowings			.ease bilities		Total	
Beginning balance Cash flows	₩	192,346 137,343	₩	111,418 (43,615)	₩	491,828 21	₩	864,601 270,365	₩	14,104 (3,428)	₩	1,674,297 360,686
Gain on foreign currency translation Amortization of discount		657		-		-		-		-		657
on debentures Effect of non-cash transactions		- 9,365		- 175,078		490 (194,903)		- 4,980		- 677		490 (4,803)
Ending balance	₩	339,711	₩	242,881	₩	297,436	₩	1,139,946	₩	11,353	₩	2,031,327

(in millions of	2020											
Korean won)	Current portion of Short-term long-term Long-term borrowings borrowings Debentures borrowings		SI		•		.ease bilities		Total			
Beginning balance	₩	43,021	₩	142,896	₩	395,956	₩	759,893	₩	4,706	₩	1,346,472
Cash flows		157,280		(194,275)		193,346		219,689		(3,391)		372,649
Gain (loss) on foreign currency translation Amortization of discount		(486)		5,669		-		2,746		-		7,929
on debentures		-		-		542		-		-		542
Effect of non-cash transactions		(7,469)		157,128		(98,016)		(117,727)		12,789		(53,295)
Ending balance	₩	192,346	₩	111,418	₩	491,828	₩	864,601	₩	14,104	₩	1,674,297

Details of major transactions without cash inflows and outflows for the years ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020			
Transfer of construction in progress	₩	937,224	₩	559,034			
Transfer of borrowings and bonds to current portion		131,463		157,128			
Acquisition of right-of-use assets		1,339		13,765			

38.Contingencies and Commitments

- (1) There are no notes provided as collateral as at December 31, 2021.
- (2) Commitment contracted with financial institutions

The Group entered into agreements such as bank overdrafts, trade bill discounts, open local L/C, general loans and others with financial institutions with a limit of $\forall 2,225,391$ million. Also, the Group entered into trade receivables discount agreements with a limit of $\forall 3,150$ million as at December 31, 2021. The Group must maintain the Parent Company's Debt-Equity Ratio under 400% regarding USD 925 million of syndicated loans and USD 70 million of other operating funds. For USD 925 million of syndicated loan, the Group has an obligation to supplement the access financing in case of non-compliance with following covenants:

Syndicated loans	Covenants	Year	Ratio
USD 710 million	Maintaining the subsidiary's net debt/EBITDA ratio at the end of each year	2021 2022 2023 2024 2025	4.8:1 4:1 3:1 2:1 2:1
USD 215 million	Maintaining the subsidiary's net debt/EBITDA ratio at the end of each year	2022 2023 2024 2025	4:1 3:1 2:1 2:1

In 2021, regarding USD 710 million of syndicated loans, the Group violated the maintenance of the subsidiaries' net debt/EBITDA ratio as at December 31, 2021, but received the waiver consents from the lender in relation to this violation.

(3) Guarantees provided by others

Details of payment guarantees provided by others as at December 31, 2021, are as follows:

(in millions of Korean won)	rean won) Guaranteed amount		Details		
Kookmin Bank	₩	36,513	Performance guarantee and others		
Woori Bank		35,565	Performance guarantee and others		
Shinhan Bank		20,154	Performance guarantee and others		
Nonghyup Bank		91,871	Performance guarantee and others		
Hana Bank		5,928	Performance guarantee and others		
Seoul Guarantee Insurance Company		63,681	Performance guarantee and others		
Vietin Bank		982	Performance guarantee and others		
	₩	254,694			

(4) Assets pledged as collaterals

Details of assets pledged as collaterals as at December 31, 2021, are as follows:

(in millions of Korean won)		elated owings		d amount eement	Provided to
Property, plant and equipment		-		420,000	Korea Development Bank
Property, plant and equipment		4,143		60,000	Woori Bank
Property, plant and equipment		5,000		55,000	Shinhan Bank
Property, plant and equipment		94,840		94,840	Vietcom Bank and others
Trade receivables		76,117		76,117	Woori Bank and others
Short-term financial instruments		-		711	Nonghyup Bank and others
Long-term financial instruments		-		982	Vietcom Bank
	₩	180,100	₩	707,650	

(5) Pending lawsuits

There are no pending lawsuits as at December 31, 2021.

(6) Liability of the Group due to spin-off

The Group spun off by a special resolution of the shareholders in accordance with Paragraph 1 of Article 530-9 of the Commercial Code of Korea. The Group or newly established entity from the spinoff is jointly and severally liable for payables of the company before the spin-off, in accordance with Paragraph 1 of Article 530-9 of the Commercial Code of Korea.

(7) Purchase agreements of property, plant and equipment

The Group decided to expand the PP polymerization facilities and NF3 Oksan plant in September 2021. Details of purchase agreements of the property, plant, and equipment as at December 31, 2021, are as follows:

		2021
Contract amount	\mathbf{W}	71,637
Amount paid		15,489
Amount payable		22

39.Greenhouse Gas Emission Permits and Obligations

The quantities of emission permits which are allocated free of charge for the 3rd planning period (2021~2025) are as follows.

(in tCO2-eq)	2021	2022	2023	2024	2025	Total
Allocation with nil consideration	860,616	860,616	860,616	852,555	852,555	4,286,958

The Group's free allocation of emission rights and the estimated quantity of greenhouse gas emission as at December 31, 2021, are as follows:

(in tCO2-eq, in millions of	2021					
Korean won)	20	20	2021			
	Quantity	Amount ³	Quantity	Amount ³		
Beginning balance	-	₩ -	-	₩ -		
Free allocation	748,305	-	860,616	-		
Provision	(26,379)	-	-	-		
Purchases ¹	140,000	2,513	2,156	-		
Submission to the						
government ²	(861,517)	(2,506)	(863,181)	(7)		
Carryforward	(409)	(7)	409	7		
Ending balance	-	₩ -	-	₩ -		

¹ The actual quantity of emissions purchased is written for 2020, and the expected quantity of emissions to purchase is written for 2021. The emission rights purchased by the Group is 140,000 tCO2-eq for the year ended December 31, 2021.

² The actual quantity of emissions submitted is written for 2020, and the expected quantity of emissions to submit is written for 2021. The expected emissions as at December 31 ,2021 is 863,181 tCO2-eq.

³ The amounts of emission rights purchased are included in other intangible assets.

The Group's free allocation of emission rights and the estimated quantity of greenhouse gas emission as at December 31, 2020, are as follows:

(in tCO2-eq, in millions of	2020					
Korean won)	20	19	2020			
	Quantity	tuantity Amount ³		Amount ³		
Beginning balance	-	₩ -	-	₩ -		
Free allocation	747,499	-	748,187	-		
Provision	26,379	-	(26,379)	-		
Purchases ¹	56,000	1,204	128,678	-		
Submission to the government ²	(829,878)	(1,204)	(850,486)	-		
Carryforward	-	-	-	-		
Ending balance	-	₩ -	-	₩ -		

Changes in provisions for the year ended December 31, 2021 and 2020, are as follows:

(in millions of Korean won)		2021		2020
Beginning balance	₩	2,960	₩	-
Profit or loss:		(2,884)		2,960
Additional provisions		76		2,960
Used during the year		(2,960)		
Ending balance	₩	76	₩	2,960
Current	₩	76	₩	2,960
Non-current		-		-

40. Events after the Reporting Period

(a) Establishment of new subsidiary

On January 14, 2022, the Group contributed $\forall 23,764$ million (USD 20 million) to Hyosung Film(Quzhou) Co., Ltd, a 100% subsidiary newly established on January 6, 2022.