SSANGYONG MOTOR COMPANY

Separate Financial Statements

December 31, 2019 and 2018

(With Independent Auditors' Report Thereon)

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Independent Auditors' Report

Based on a report originally issued in Korean

To the Shareholders and Board of Directors of Ssangyong Motor Company

Opinion

We have audited the accompanying separate financial statements of Ssangyong Motor Company ("the Company"), which comprise the separate statements of financial position as of December 31, 2019 and 2018, the separate statements of comprehensive loss, changes in equity and cash flows for the years then ended, and notes, comprising significant accounting policies and other explanatory information.

In our opinion, the accompanying separate financial statements present fairly, in all material respects, the separate financial position of the Company as of December 31, 2019 and 2018, and its separate financial performance and its separate cash flows for the years then ended in accordance with Korean International Financial Reporting Standards ("K-IFRS").

We also have audited, in accordance with Korean Standards on Auditing (KSAs), the Company's Internal Control over Financial Reporting ("ICFR") as of December 31, 2019 based on the criteria established in Conceptual Framework for Designing and Operating Internal Control over Financial Reporting issued by the Operating Committee of Internal Control over Financial Reporting in the Republic of Korea, and our report dated March 16, 2020, expressed "an unmodified opinion on the effectiveness of the company's internal control over financial reporting."

Basis for Opinion

We conducted our audits in accordance with KSAs. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Separate Financial Statements section of our report. We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the separate financial statements in Republic of Korea, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Material uncertainty on the ability to continue as a going concern

The accompanying separate financial statements have been prepared assuming that the Company will continue as a going concern. As discussed in note 35 to the separate financial statements, the Company has incurred a net loss of $\mbox{$W$}$ 341,052 million during the year ended December 31, 2019 and, as of that date, the Company's current liabilities exceeded its current assets by $\mbox{$W$}$ 476,896 million. As stated in Note 35, these events or conditions, along with other matters as set forth in Note 35, indicate that a material uncertainty exists that may cast significant doubt on the Group's ability to continue as a going concern. Our opinion is not affected by this uncertainty.

Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the separate financial statements as of and for the year ended December 31, 2019. These matters were addressed in the context of our audit of the separate financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. We concluded that below matters are key audit matters which to be communicated in that report in addition to above matter, material uncertainty on the ability continue as a going concern.

Revenue recognition

As described in note 3.(3), the Company generates revenue by selling finished vehicles and then selling parts and providing maintenance activities. For sales of finished vehicles and sales of parts, revenue is recognized when control is transferred to the customer. Revenue from maintenance activities is recognized at the time when rendering maintenance service to customers is completed to the customer.



We identified revenue recognition as a key audit matter, because there is a significant inherent risk that sales may be recognized before the revenue recognition conditions are met and that there is a risk that the revenue is overstated due to external pressure on financial performance as the revenue is one of the key performance indicators for the Company's executive directors.

The primary procedures we performed to address the key audit matter included:

- We evaluated the design and operation of the Company's internal accounting control system related to recognition of revenue.
- We selected sales transactions recorded immediately before and after end of the reporting date and vouched to the supporting documents to assess whether revenue is recognized in an appropriate accounting period.
- We assessed whether the attribution of the sales period is appropriate through document inspection of the samples extracted from the sales cancellation and return details after the reporting period.

Impairment of tangible and intangible assets

As described in note 3.(12), the Company reviews for indication of asset impairment at the end of reporting date, and estimates the recoverable amount of the asset to determine the amount of the impairment loss if there is any indication of asset impairment. When the recoverable amount of an individual asset cannot be estimated, the Company estimates the recoverable amount of the cash-generating unit to which the asset belongs. Impairment indicator existed as the PBR, stock price divided by net asset value per share, is less than 1 and the Company has incurred continuous operating losses. Considering the significant degree of the judgment in estimating the value in use of the Company used in the impairment testing for tangible and intangible assets which requires significant auditor attention, we identified the impairment of tangible and intangible assets as a key audit matter.

The primary procedures we performed to address the key audit matter included:

- We evaluated the design and operation of the Company's internal accounting control system related to impairment of tangible and intangible assets.
- We evaluated the qualifications of external experts used by the management of the company.
- We assessed whether the input data for estimation of the projected future cash flows have been appropriately approved and compared the key financial information used in the discounted cash flow projections with the approved financial information.
- We used internal valuation specialist to review the reasonableness of key assumptions applied to discounted cash flows projections, such as expected sales and discount rates, and to check the adequacy of the evaluation methods and evaluation models applied by the Company in the impairment assessment.

Other Matter

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

The accompanying separate financial statements as of and for the years ended December 31, 2019 and 2018 have been translated into Indian rupees solely for the convenience of the reader. We have audited the translation and, in our opinion, the separate financial statements expressed in Korean won have been translated into rupees on the basis set forth in note 2.(1) to the separate financial statements.



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

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

In preparing the separate financial statements, management is responsible for assessing the Company'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 Company or to cease operations, or has no realistic alternative but to do so.

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

Auditors' Responsibilities for the Audit of the Separate Financial Statements

Our objectives are to obtain reasonable assurance about whether the separate financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' 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 KSAs 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 separate financial statements.

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

- Identify and assess the risks of material misstatement of the separate 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.
- Evaluate the appropriateness of accounting policies used in the preparation of the separate financial statements 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 Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the separate 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 auditors' report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the separate financial statements, including the disclosures, and whether the separate financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

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 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 separate financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditors' 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 auditors' report is Jong-Sang Lee.

KPMG Samjory Accounting Corp.

Seoul, Korea March 16, 2020

This report is effective as of March 16, 2020, the audits report date. Certain subsequent events or circumstances, which may occur between the audits report date and the time of reading this report, could have a material impact on the separate financial statements and notes thereto. Accordingly, the readers of the audit report should understand that the above audit report has not been updated to reflect the impact of such subsequent events or circumstances, if any.

SSANGYONG MOTOR COMPANY Separate Statements of Financial Position

As of December 31, 2019 and 2018

(In thousands of won and in thousands of rupee)

			Korean won			Indian	rupee	
	Note		2019	2018		2019	2018	
Assets								
Cash and cash equivalents	4,5,34	₩	119,130,707	150,953,423	Rs	7,340,238	9,300,995	
Trade and other receivables,	2,7,13,32,							
net	33,34		173,894,654	195,638,837		10,714,519	12,054,287	
Derivative assets	26,34		-	891,319		-	54,919	
Inventories, net	8,25		204,624,341	216,956,615		12,607,929	13,367,782	
Other current assets	10		8,879,552	11,243,637		547,114	692,776	
Total current assets			506,529,254	575,683,831		31,209,800	35,470,759	
N								
Non-current financial	F 24		4.000	4.000		240	0.40	
instruments	5,34		4,000	4,000		246	246	
Non-current other receivables,	7,32,33,34		38,884,934	35,124,580		2,395,895	2,164,201	
net Non-current financial assets	7,32,33,34 6,34		560,000	560,000		34,504	34,504	
Property, plant and equipment,	0,34		500,000	500,000		34,504	34,504	
net	11,14		1,141,386,612	1,227,206,439		70,326,536	75,614,325	
Intangible assets, net	11,12		312,855,599	353,759,962		19,276,598	21,796,920	
Investments in subsidiaries	9		297,411	3,248,243		18,325	200,141	
Investments in joint venture	9		10,200,000	10,200,000		628,473	628,473	
Other non-current assets	10		276,041	276,099		17,009	17,012	
Right-of-use assets	2,13		5,851,154	-		360,519	-	
Total non-current assets	•	•	1,510,315,751	1,630,379,323		93,058,105	100,455,822	
Total assets		₩	2,016,845,005	2,206,063,154	Rs	124,267,905	135,926,581	

SSANGYONG MOTOR COMPANY Separate Statements of Financial Position, Continued

As of December 31, 2019 and 2018

(In thousands of won and in thousands of rupee)

	.,,		Korear	n won		Indian	rupee
	Note		2019	2018	_	2019	2018
Liabilities							
Trade payables	33,34	₩	477,054,916	534,719,078 F	Rs	29,393,739	32,946,716
Other payables	19,33,34		128,788,149	157,785,447		7,935,281	9,721,950
Short-term borrowings	14,19,31,34		254,106,448	178,227,545		15,656,769	10,981,490
Other Financial Liabilities	15,34		39,427,815	38,035,515		2,429,344	2,343,559
Provision of warranty for							
sale - current	16		50,305,013	49,209,826		3,099,543	3,032,063
Other long-term employee benefits liabilities-							
current			2,078,739	2,726,290		128,082	167,981
Other current liabilities	17,32,33		25,535,241	32,909,339		1,573,355	2,027,708
Lease liabilities - current	2,13,31,34		6,128,903	-		377,632	-
Total current liabilities		_	983,425,224	993,613,040	_	60,593,745	61,221,467
Long-term borrowings	14,19,31,34		158,750,000	75,000,000		9,781,381	4,621,125
Non-current other payables	34		848,340	1,593,270		52,270	98,169
Other non-current	34		040,340	1,595,270		52,270	30,103
liabilities	17,32		15,862,475	11,257,510		977,368	693,633
Defined benefit liabilities	18		356,155,261	329,181,466		21,944,506	20,282,516
Other long-term employee							
benefits liabilities							
- non-current			14,174,556	14,313,194		873,365	881,907
Provision of warranty for	10		70 000 000	05 000 004		4 040 040	F 000 000
sale - non-current Non-current lease	16		78,226,239	85,828,261		4,819,910	5,288,308
liabilities	2,13,31,34		3,863,317	_		238,038	_
Total non-current	2,10,01,01	_	3,000,017		_	200,000	
liabilities		_	627,880,188	517,173,701	_	38,686,838	31,865,658
		_			_		
Total liabilities		_	1,611,305,412	1,510,786,741	-	99,280,583	93,087,125
Equity							
Capital stock	20,33		749,200,010	689,746,980		46,161,959	42,498,760
Other capital surplus	21		78,162,820	87,909,478		4,816,002	5,416,542
Other equity	22		-	103,000		-	6,347
Accumulated deficit	23	_	(421,823,237)	(82,483,045)	_	(25,990,639)	(5,082,193)
Total equity		_	405,539,593	695,276,413	_	24,987,322	42,839,456
Total liabilities and							
Total liabilities and equity		ΔΛ/	2,016,845,005	2,206,063,154 F	? c	12/ 267905	135,926,581
equity		▼ ▼	2,010,040,000	2,200,000,104 1	رن	124,207,300	100,020,001

SSANGYONG MOTOR COMPANY Separate Statements of Comprehensive Loss

For the years ended December 31, 2019 and 2018

(In thousands of won and in thousands of rupee, except earnings per share information)

,		Korean won		won	Indian rupee	
	Note		2019	2018	2019	2018
Sales	32,33	₩	3,626,261,374	3,705,902,889 Rs	223,432,095	228,339,207
Cost of sales	25,33		3,363,531,331	3,247,911,038	207,243,983	200,120,039
Gross profit		_	262,730,043	457,991,851	16,188,112	28,219,168
Selling, general and administrative						
expenses	25,27	_	537,929,132	519,916,042	33,144,504	32,034,627
Operating loss		_	(275,199,089)	(61,924,191)	(16,956,392)	(3,815,459)
Other income	28,33		17,533,995	11,201,087	1,080,357	690,155
Other expenses	28,33		(76,032,450)	(11,695,496)	(4,684,740)	(720,618)
Finance income	26,29		11,646,850	12,971,871	717,621	799,262
Finance costs	26,29	_	(19,001,403)	(12,995,811)	(1,170,771)	(800,737)
Loss before income taxes		-	(341,052,097)	(62,442,540)	(21,013,925)	(3,847,397)
Income tax expenses	24		-	-	-	-
Loss for the year		_	(341,052,097)	(62,442,540)	(21,013,925)	(3,847,397)
Other comprehensive income						
(loss) for the year			1,608,905	(19,937,505)	99,132	(1,228,449)
Items that will never be reclassified	d to pr	ofit o	or loss:			
Defined benefit plan re-measurements	18		1,711,905	(20,040,505)	105,479	(1,234,796)
Items that are or may be reclassifi	ed sub	sequ	ently to profit or	r loss:		
Changes in fair value of cash flow						
hedge	22,26	_	(103,000)	103,000	(6,347)	6,347
Total comprehensive loss for						
the year		₩_	(339,443,192)	(82,380,045) Rs	(20,914,793)	(5,075,846)
Losses per share						
Basic and diluted losses per share	30	₩	(2,287)	(449) Rs	(141)	(28)

SSANGYONG MOTOR COMPANY Separate Statements of Changes in Equity

For the years ended December 31, 2019 and 2018

(In thousands of won)					Korea	Korean won			
	<u>l</u>			Other capital surplus	al surplus				
		-	Paid-in capital in excess of	Gain on capital	Debt to be swapped	Gain on disposal of treasury	:	Accumulated	ļ
Balance at January 1, 2018	` ≱	Capital Stock 689,746,980	12,916,273	118,189,001	931,508	1,105,138	Otner equity	(45,232,442)	777,656,458
Total comprehensive income(loss) for the year: Loss for the year Defined benefit plan re-measurements Change in fair value of each flow hedge		1 1	1 1	1 1	1 1	1 1	00 80	(62,442,540)	(62,442,540) (20,040,505)
Transactions with owners of the Company, recognized directly in equity: Disposition of deficit				(44,127,304)	1	(1,105,138)		45.232,442	
Balance at December 31, 2018	℥	689,746,980	12,916,273	74,061,697	931,508	'	103,000	(82,483,045)	695,276,413
Balance at January 1, 2019	℥	689,746,980	12,916,273	74,061,697	931,508	ı	103,000	(82,483,045)	695,276,413
Total comprehensive income(loss) for the year: Loss for the year Defined benefit plan re-measurements Changes in fair value of cash flow hedge		1 1 1	1 1 1	1 1 1	1 1		(103,000)	(341,052,097) 1,711,905	(341,052,097) 1,711,905 (103,000)
Transactions with owners of the Company, recognized directly in equity: Issue of ordinary shares	ı	59,453,030	(9,746,658)						49,706,372
Balance at December 31, 2019	*	749,200,010	3,169,615	74,061,697	931,508		' 	(421,823,237)	405,539,593

SSANGYONG MOTOR COMPANY Separate Statements of Changes in Equity, Continued

For the years ended December 31, 2019 and 2018

(In thousands of rupee)	!				India	Indian rupee			
				Other capi	Other capital surplus				
		Capital stock	Paid-in capital in excess of	Gain on capital	Debt to be swapped for equity	Gain on disposal of treasury stock	Other equity	Accumulated deficit	Total
Balance at January 1, 2018	Rs	42,498,760	795,836	7,282,215	57,395	68,093		(2,786,997)	47,915,302
Total comprehensive income(loss) for the year: Loss for the year Defined benefit plan re-measurements Changes in fair value of cash flow hedge		1 1 1	1 1 1	1 1 1	1 1 1		6,347	(3,847,397) (1,234,796) -	(3,847,397) (1,234,796) 6,347
Transactions with owners of the Company, recognized directly in equity: Disposition of deficit	ı			(2,718,904)		(68,093)		2,786,997	
Balance at December 31, 2018	Rs II	42,498,760	795,836	4,563,311	57,395	1	6,347	(5,082,193)	42,839,456
Balance at January 1, 2019	Rs	42,498,760	795,836	4,563,311	57,395	ı	6,347	(5,082,193)	42,839,456
Total comprehensive income(loss) for the year: Loss for the year Defined benefit plan re-measurements Changes in fair value of cash flow hedge		1 1 1	1 1 1	1 1 1	1 1 1		- - (6,347)	(21,013,925) 105,479	(21,013,925) 105,479 (6,347)
Transactions with owners of the Company, recognized directly in equity: Issue of ordinary shares		3,663,199	(600,540)						3,062,659
Balance at December 31, 2019	Rs	46,161,959	195,296	4,563,311	57,395			(25,990,639)	24,987,322

See accompanying notes to the separate financial statements.

SSANGYONG MOTOR COMPANY Separate Statements of Cash Flows

For the years ended December 31, 2019 and 2018

(In thousands of won and in thousands of rupee)

, , , , , , , , , , , , , , , , , , , ,	Korear	n won	Indian	rupee
	2019	2018	2019	2018
Cash flows from operating activities				
Long for the year	\\/ (241 052 007)		R (21 012 025)	(2.047207)
Loss for the year Adjustment	₩ (341,052,097) 424,310,809	(62,442,540) 293,718,065	s (21,013,925) 26,143,911	(3,847,397) 18,097,439
Changes in assets and liabilities	(104,694,309)	(51,840,039)	(6,450,740)	(3,194,124)
Cash generated from operations (note 31)	(21,435,597)	179,435,486	(1,320,754)	11,055,918
ousii generateu nom operations (note 31)	(21,400,007)	170,400,400	(1,020,704)	11,000,010
Interest received	3,721,828	2,588,205	229,320	159,472
Interest paid	(8,344,403)	(4,536,210)	(514,140)	(279,499)
Dividends received	11,000	11,000	678	678
Net cash provided by(used in) operating activities	(26,047,172)	177,498,481	(1,604,896)	10,936,569
dollvillos	(20,011,112)	177,100,101	(1,001,000)	10,000,000
Cash flows from investing activities				
Proceed from disposal of property, plant and				
equipment	1,889,529	447,440	116,423	27,569
Proceed from disposal of intangible assets	112,138	-	6,909	-
Acquisition of property, plant and equipment	(136,556,642)	(136,632,786)	(8,413,938)	(8,418,629)
Acquisition of intangible assets	(71,779,732)	(119,497,975)	(4,422,709)	(7,362,868)
Acquisition of Investment in subsidiaries	(1,116,761)	(2,950,834)	(68,809)	(181,816)
Cash flow used in other investing activities	(1,894,680)	(1,713,945)	(116,741)	(105,604)
Net cash used in investing activities	(209,346,148)	(260,348,100)	(12,898,865)	(16,041,348)
Cash flows from financing activities				
Proceeds from borrowings	259,999,999	31,769,058	16,019,900	1,957,450
Proceeds from issuing capital stock	49,706,372	-	3,062,659	-
Receipts of government grants	197,692	2,012,470	12,181	123,998
Repayment of borrowings	(97,520,761)	(12,500,000)	(6,008,742)	(770,187)
Payment of finance lease	(8,812,698)		(542,994)	
Net cash provided by financing activities	203,570,604	21,281,528	12,543,004	1,311,261
Net decrease in cash and cash equivalents	(31,822,716)	(61,568,091)	(1,960,757)	(3,793,518)
Cash and cash equivalents at January 1	150,953,423	212,521,514	9,300,995	13,094,513
Sacritaria such equivalente at surfact y	100,000,420	2.2,021,014	R - 0,000,000	10,00 1,010
Cash and cash equivalents at December 31	₩ <u>119,130,707</u>	150,953,423	s 7,340,238	9,300,995

For the years ended December 31, 2019 and 2018

1. General Description of the Company

(1) Organization and description of business of the Company

Ssangyong Motor Company (the "Company") was incorporated on December 6, 1962, in the Republic of Korea and listed its stocks on the Korea Stock Exchange in May 1975. The Company is headquartered in Dongsak-ro, Pyeongtaek, and its factories are located in Pyeongtaek, Gyeonggi-do, and Changwon, Gyeongsangnam-do, Republic of Korea to manufacture, sell and fix multiple types of vehicle, heavy machinery and those parts.

(2) Major shareholders

As of December 31, 2019, the Company's shareholders are as follows:

Name of shareholder	Number of shares	Percentage of ownership
Mahindra & Mahindra Ltd.	111,855,108	74.65%
Others	37,984,894	25.35%
	149,840,002	100.00%

2. Basis of Preparation and Accounting Policies

(1) Basis of translating separate financial statements

The separate financial statements are expressed in Korean won and have been translated into Indian rupees at the rate of INR 0.061615 to \$\omega\$ 1 on December 31, 2019, solely for the convenience of the reader. These translations should not be construed as a representation that any or all of the amounts shown could be converted into Indian rupees at this or any other rate.

(2) Statement of compliance

The Company has prepared its separate financial statements in accordance with the K-IFRS. The Company's financial statements are separate financial statements prepared in accordance with the requirements of K-IFRS No. 1027, Separate Financial Statements, in which a parent, or an investor with joint control of, or significant influence over, an investee, accounts for the investments on the basis of the direct equity interest rather than on the basis of the underlying results and net assets of the investees.

The separate financial statements have been prepared on the historical cost basis, except as described below. Historical cost is generally based on the fair value of the consideration given.

- ① Derivatives measured at fair value
- ② FVTPL measured at fair value
- 3 Defined benefit liabilities that present value of defined benefit obligation deducted by plan assets

The separate financial statements as of and for the year ended December 31, 2019, to be submitted at the ordinary shareholders' meeting on March 24, 2020, were authorized for issuance at the board of directors' meeting on February 6, 2020.

The Company has initially applied K-IFRS 1116 'Lease' for preparation of the separate financial statements as of and for the ended December 31, 2019. The significant changes in accounting policies are described in note 2.(4).

For the years ended December 31, 2019 and 2018

2. Basis of Preparation and Accounting Policies, Continued

(3) Use of estimates and judgments

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

The Company makes estimates and assumptions concerning the future. 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.

The significant estimates and assumptions and those which have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities after the end of the reporting period are addressed below.

- Property, plant and equipment and Intangible assets: Assumptions for estimating recoverable amount for impairment test
- Provision for warranty for sale: Assumptions of expected expenditures based on warranty periods.
- Employee benefits: Actuarial assumptions.
- Trade and other receivables: Estimation of the possibility of impairment of receivables.
- Inventories: Estimation of the possibility of losses of inventories.
- Going concern assumption: Judgment on whether there is any significant uncertainty of going concern assumption.

(4) Changes in accounting policies

New standard, interpretations, and changes in accounting policies resulting from the adoption of them are as follows. The changes in accounting policies described below is reflected in the annual financial statements for the year ended December 31, 2019.

The Company has initially adopted K-IFRS No.1116 Leases from January 1, 2019. On transition to K-IFRS No. 1116, the company elected to apply the practical expedient to grandfather the assessment of which transaction are leases. A number of other new standards are also effective from January 1, 2019 but they do not have a material effect on the Company's financial statements.

K-IFRS No.1116 introduced a single, on-balance sheet accounting model for lessees. As a result, the Company, as a lessee, has recognized right-of-use assets representing its rights to use the underlying assets and lease liabilities representing its obligation to make lease payments. Lessor accounting remains similar to previous accounting policies.

The comparative information presented for 2018 has not been restated. It is presented, as previously reported, under K-IFRS No.1017 and related interpretations. The details of the changes in accounting policies are disclosed below.

1) Definition of a lease

Previously, the Company determined at contract inception whether an arrangement was or contained a lease under K-IFRS No. 2104 Determining Whether an Arrangement contains a Lease. The Company now assesses whether a contract is or contains a lease based on the new definition of a lease. Under K-IFRS No.1116, a contract is, or contains, a lease if the contract conveys a right to control the use of an identified asset for a period of time in exchange for consideration.

For the years ended December 31, 2019 and 2018

2. Basis of Preparation and Accounting Policies, Continued

(4) Changes in accounting policies, continued

1) Definition of a lease, continued

On transition to K-IFRS No.1116, the Company elected to apply the practical expedient to grandfather the assessment of which transactions are leases. It applied K-IFRS No.1116 only to contracts that were previously identified as leases. Contracts that were not identified as leases under K-IFRS No.1017 and K-IFRS No.2104 were not reassessed for whether there is a lease under K-IFRS No. 1116. Therefore, the definition of a lease under K-IFRS No.1116 has been applied only to contracts entered into or changed on or after January 1, 2019.

At inception or on reassessment of a contract that contains a lease component, the Company allocates the consideration in the contract to each lease and non-lease component on the basis of their relative stand-alone prices. However, for leases of land and buildings in which it is a lessee, the Company has elected not to separate non-lease components and will account for the lease and non-lease components as a single lease component.

2) As a lessee

As a lessee, the Company previously classified leases as operating or finance leases based on its assessment of whether the lease transferred substantially all of the risks and rewards of ownership of the underlying asset to the company. Under K-IFRS No.1116, the Company recognizes right-of-use assets and lease liabilities for most leases – i.e. these leases are on-balance sheet.

However, the Company has elected not to recognize right-of-use assets and lease liabilities for some leases of low-value assets. The Company recognizes the lease payments associated with these leases as an expense on a straight-line basis over the lease term.

The carrying amounts of right-of-use assets are as below.

(In millions of won)	_	P	roperty, plant	and equipment	
	_	Land and Buildings	Vehicles	Equipment	Total
Balance at January 1, 2019	₩	2,112	5,177	-	7,289
Balance at December 31, 2019		919	3,576	1,356	5,851
(In millions of rupee)	_	P	roperty, plant	and equipment	
	_	Land and Buildings	Vehicles	Equipment	Total
Balance at January 1, 2019 Balance at December 31, 2019	Rs	130 57	319 220	- 84	449 361

The Company presents right-of-use assets and lease liabilities separately in the separate statement of financial position.

For the years ended December 31, 2019 and 2018

2. Basis of Preparation and Accounting Policies, Continued

(4) Changes in accounting policies, continued

2) As a lessee, continued

Significant accounting policies

The Company recognizes a right-of-use asset and a lease liability at the lease commencement date. The right-of-use asset is initially measured at cost, and subsequently at cost less any accumulated depreciation and impairment losses, and adjusted for certain remeasurements of the lease liability. The Company measures right-of-use asset's useful lives based on the lease period and, recognizes amortisation costs using a straight-line method based on that useful lives.

The lease liability is initially measured at the present value of the lease payments that are not paid at the commencement date, discounted using the interest rate implicit in the lease or, if that rate cannot be readily determined, the company's incremental borrowing rate as the discount rate.

The lease liability is subsequently increased by the interest cost on the lease liability and decreased by lease payment made. It is remeasured when there is a change in future lease payments arising from a change in an index or rate, a change in the estimate of the amount expected to be payable under a residual value guarantee, or as appropriate, changes in the assessment of whether a purchase or extension option is reasonably certain to be exercised or a termination option is reasonably certain not to be exercised.

The Company has applied judgement to determine the lease term for some lease contracts in which it is a lessee that include extension options. The assessment of whether the Company is reasonably certain to exercise such options impacts the lease term, which significantly affects the amount of lease liabilities and right-of-use assets recognized.

2 Transition

Previously, the Company classified property leases as operating leases under K-IFRS No.1017. These include Land and Buildings, Vehicles. The leases typically run for lease period according to lease contract. Some leases include termination option or an option to renew the lease for an additional period after the end of the non-cancellable period. Lease, which does not have a significant probability of exercising the option even if the option is included in the contract, did not take into account the lease term for the termination option.

At transition, for leases classified as operating leases under K-IFRS No.1017, lease liabilities were measured at the present value of the remaining lease payments, discounted at the Company's incremental borrowing rate and the interest rate implicit in the lease as at January 1, 2019. Right-of-use assets are measured at an amount equal to the lease liability, adjusted by the amount of any prepaid or accrued lease payments. The Company applied this approach to all other leases.

The Company used the following practical expedients when applying K-IFRS No.1116 to leases previously classified as operating leases under K-IFRS No.1017.

- Applied the exemption not to recognize right-of-use assets and liabilities for leases with less than 12 months of lease term.
- Applied the exemption not to recognize right-of-use assets and liabilities for leases of low value assets.
- Excluded initial direct costs from measuring the right-of-use asset at the date of initial application.
- Used hindsight when determining the lease term if the contract contains options to extend or terminate the lease.

For the years ended December 31, 2019 and 2018

2. Basis of Preparation and Accounting Policies, Continued

(4) Changes in accounting policies, continued

3) As a lessor

The Company leases out some of right-of-use assets. The accounting policies applicable to the Company as a lessor are not different from those under K-IFRS No.1017. However, when the Company is an intermediate lessor the sub-leases are classified with reference to the right-of-use asset arising from the head lease, not with reference to the underlying asset. The Company is not required to make any adjustments on transition to K-IFRS No.1116 for leases in which it acts as a lessor.

The Company sub-leases some of Land and Buildings. On transition to K-IFRS No.1116, the right-of-use assets recognized from the head leases are presented in finance leases, and the sub-lease contracts are classified as finance leases under K-IFRS No.1116.

4) Impacts on financial statements

① Impacts on transition

On transition to K-IFRS No.1116, the impact on the separate statement of financial position is as follows.

(In millions of won and in thousands of rupee)

	<u></u>	Korean won	Indian rupee
		January 1, 2019	January 1, 2019
Right-of-use assets	₩	7,289 Rs	449
Sub-lease receivables		6,006	370
Lease liability		13,295	819

When measuring lease liabilities for leases that were classified as operating leases, the Company discounted lease payments using its incremental borrowing rate and the interest rate implicit in the lease at January 1, 2019. The weighted-average rate of incremental borrowing applied is 3.93%, and the weighted-average rate of the interest rate implicit in the lease applied is 10.36%.

(In millions of won and in thousands of rupee)

	_	Korean won	Indian rupee
	-	January 1, 2019	January 1, 2019
Operating lease commitment at December 31, 2018 as disclosed in the Company's separate financial statements	₩	6,690 Rs	412
Discounted using the incremental borrowing rate and the			
interest rate implicit in the leases at January 1, 2019		12,465	768
 Recognition exemption for leases of low-value assets 		(1,858)	(114)
- Recognition exemption for leases with less than 12 months of			
lease term at transition		(264)	(16)
 Adjustment extension options reasonably certain to be 			
exercised		2,952	181
Lease liabilities recognized at January 1, 2019		13,295	819

For the years ended December 31, 2019 and 2018

2. Basis of Preparation and Accounting Policies, Continued

(4) Changes in accounting policies, continued

- 4) Impacts on financial statements, continued
- 2 Impacts for the period

As a result of initially applying K-IFRS No.1116, in relation to the leases that were previously classified as operating leases, the Company recognized $\mbox{$W$}$ 5,851 million (Rs 361 million) of right-of-use assets and $\mbox{$W$}$ 5,954 million (Rs 367 million) of lease liabilities and respectively $\mbox{$W$}$ 4,038 million (Rs 249 million) of sublease receivables and sub-lease liabilities as of December 31, 2019.

Also in relation to those leases under K-IFRS No.1116, the Company has recognized depreciation and interest costs, instead of operating lease expense. During the year ended December 31, 2019, the Company recognized \(\pi\) 3,345 million (Rs 206 million) of depreciation costs, \(\pi\) 485 million (Rs 30 million) of interest costs and \(\pi\) 197 million (Rs 12 million) of interest income from these leases.

3. Significant Accounting Policies

(1) New standards and interpretations not yet adopted

A number of new standards are effective for annual periods beginning after 1 January 2019 and earlier application is permitted. The followings are newly required standards and amendments that the Company decided not to early adopt in preparation of the financial statements.

The following amendment standards and interpretation are not expected to have a significant impact on the company's separate financial statements.

- Amendments to References to Conceptual Framework in IFRS Standards.
- K-IFRS No. 1001("Presentation of financial statement") and 1008("Accounting Policies, Changes in Accounting Estimates and Errors"): 'Definition of Material'
- K-IFRS No. 1103 'Business Combinations'
- K-IFRS No. 1117 'Insurance Contracts'

(2) Accounting for investments in subsidiaries and joint ventures

The Company in accordance with the K-IFRS No. 1110 'Consolidated financial statements' is a parent company and it has subsidiaries, Ssangyong Motor (Shanghai) Co., Ltd., Ssangyong European Parts Center B.V. and Ssangyong Australia Pty Ltd., and has a joint venture with SY auto capital Co., Ltd. When the Company prepares separate financial statements, the investments in subsidiaries and a joint venture are accounted for at cost basis by the direct investment proportion. Also, the Company recognizes a dividend from a subsidiary in profit or loss in the separate financial statements when its right to receive the dividend is established.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(3) Revenue recognition

K-IFRS No.1115 establishes a comprehensive framework for determining whether, how much and when revenue is recognized. It replaces existing revenue recognition guidance, including K-IFRS No.1018 Revenue, K-IFRS No.1011 Construction Contracts, K-IFRS No. 2113 Customer Loyalty Programs, K-IFRS No. 2115 Agreements for the Construction of Real Estate and K-IFRS No.2118 Transfers of assets from customers.

The Company have identified distinct performance obligations for our products and merchandise contract with our customers, such as (1) sales of vehicles and merchandise, (2) transportation of vehicles, and (3) warranties. The revenue from the sale of goods under the contract is recognized when the goods are transferred to the customer and the performance obligation is transferred. In addition, The Company identified performance obligations for transportation and guarantee and deferred recognition of revenue over the time or period of performance.

Our sales contract with customers has the option of customers purchasing additional warranties. Also, depending on the sales policy, customers may be offered service warranty beyond the assurance warranty when selling a vehicle. When a customer purchases a warranty or provides a service warranty to a customer under a sales policy, sales recognition related to the performance obligations is deferred to the time the performance obligation is fulfilled and is not recognized in provision of warranties.

Transaction price of a service warranty to a customer under a sales policy is allocated by relative individual sales price that is estimated by "expected cost plus a margin approach". The consideration paid to customers defined in K-IFRS 1115 are recognized by deducting from related sales.

(4) Foreign currencies

The individual financial statements of each entity are presented in the currency of the primary economic environment in which the entity operates (its functional currency). For the purpose of the separate financial statements, the results and financial position of each entity are expressed in Korean won, which is the functional currency of the entity and the presentation currency for the consolidated financial statements.

In preparing the financial statements of the individual entities, transactions in currencies other than the entity's functional currency (foreign currencies) are recognized at the rates of exchange prevailing at the dates of the transactions. At the end of each reporting period, monetary items denominated in foreign currencies are retranslated at the rates prevailing at that date. Non-monetary items carried at fair value that are denominated in foreign currencies are retranslated at the rates prevailing at the date when the fair value was determined. Non-monetary items that are measured in terms of historical cost in a foreign currency are not retranslated.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(5) Non-derivative financial assets

1) Recognition and initial measurement

Trade receivables and debt securities are recognized for the first time at the time of issue. Other financial instruments and financial liabilities are recognized only when the Company becomes a party to the financial instrument.

Except for trade receivables that do not include significant financial assets, are measured at fair value at the time of initial recognition and except for, financial assets at fair value through profit or loss or financial liabilities s at fair value through profit or loss, transaction costs directly related to the acquisition of the financial asset or the issuance of the financial liability are added to or subtracted from the fair value. Trade receivables that do not include significant financial elements are initially measured at transaction prices.

2) Classification and subsequent measurements

At initial recognition, financial assets are amortized cost, other comprehensive income - fair value debt instruments, other comprehensive income - fair value equity instruments or profit or loss - classified as measured at fair value.

Financial assets are not reclassified after initial recognition, unless the entity modifies the financial asset management model, in which case all of the financial assets impacted are reclassified on the first day of the first reporting period after the change in the business model.

A financial asset is measured at amortized cost if it meets both of the following conditions and is not designated as at FVTPL:

- It is held within a business model whose objective is to hold assets to collect contractual cash flows.
- Its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

A debt investment is measured at FVOCI if it meets both of the following conditions and is not designated as at FVTPL:

- It is held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets.
- Its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

On initial recognition of an equity investment that is not held for trading, the Company may irrevocably elect to present subsequent changes in the investment's fair value in OCI. This election is made on an investment-by-investment basis.

All financial assets not classified as measured at amortised cost or FVOCI as described above are measured at FVTPL. This includes all derivative financial assets. On initial recognition, the Company may irrevocably designate a financial asset that otherwise meets the requirements to be measured at amortised cost or at FVOCI as at FVTPL if doing so eliminates or significantly reduces an accounting mismatch that would otherwise arise.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(5) Non-derivative financial assets, continued

2) Classification and subsequent measurements, continued

An assessment of whether contractual cash flows consist solely of principal and interest

The principal is defined as the fair value at the initial recognition of the financial asset. Interest consists of consideration for the time value of money, consideration for credit risk associated with the principal balance in a particular time period, as well as consideration for basic loan risk and costs (e.g., liquidity risk and operating costs) as well as profit.

When evaluating whether the contractual cash flows consist solely of payments for principal and interest, we take into account the terms and conditions of the applicable product. If a financial asset includes a contractual term that changes the timing or amount of a contractual cash flow, then the contractual terms must determine whether the contractual cash flows that may occur over the life of the financial instrument consist solely of principal payments.

When evaluating this, we consider the following:

- Conditional conditions that change the amount or timing of cash flow
- Provision to adjust contractual nominal interest rate, including variable interest rate characteristics
- Moderate repayment characteristics and maturity extension characteristics
- The terms of the contract that limit our claims for cash flows arising from a particular asset (e.g. non-property features)

A prepayment feature is consistent with solely payments of principal and interest criterion if the prepayment amount substantially represents unpaid amounts of principal and interest on the principal amount outstanding, which may include reasonable compensation for early termination of the contract. Additionally, for a financial asset acquired at a discount or premium to its contractual par amount, a feature that permits or requires prepayment at an amount that substantially represents the contractual par amount plus accrued (but unpaid) is treated as consistent with this criterion if the fair value of the prepayment feature is insignificant at initial recognition.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(5) Non-derivative financial assets, continued

2) Classification and subsequent measurements, continued

Subsequent measurement and profit and loss

Financial assets at FVTPL	These assets are subsequently measured at fair value. Net gains and losses, including any interest or dividend income, are recognized in profit or loss.
Financial assets at amortized cost	These assets are subsequently measured at amortized cost using the effective interest method. The amortized cost is reduced by impairment losses. Interest income, foreign exchange gains and losses and impairment are recognized in profit or loss. Any gain or loss on derecognition is recognized in profit or loss.
Debt investments at FVOCI	These assets are subsequently measured at fair value. Interest income calculated using the effective interest method, foreign exchange gains and losses and impairment are recognized in profit or loss. Other net gains and losses are recognized in OCI. On derecognition, gains and losses accumulated in OCI are reclassified to profit or loss.
Equity investments at FVOCI	These assets are subsequently measured at fair value. Dividends are recognized as income in profit or loss unless the dividend clearly represents a recovery of part of the cost of the investment. Other net gains and losses are recognized in OCI and are never reclassified to profit or loss.

3) Elimination

In the event that the contractual rights to cash flows of financial assets have ceased, the Company transfers the contractual rights to receive the cash flows of the financial assets and substantially transfers the risks and rewards of ownership of the transferred financial assets. Or if the Company does not control or control the financial assets without retaining or transferring substantially all the risks and rewards of ownership.

If the Company transacts a recognized asset in its statement of financial position but holds most of the risks and rewards of ownership of the transferred asset, the transferred asset is not removed.

4) Offsetting

Financial assets and financial liabilities are offset and the net amount presented in the statement of financial position when the Company currently has a legally enforceable right to set off the recognized amounts and there is the intention to settle on a net basis or to realize the asset and settle the liability simultaneously.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(6) Impairment of financial assets

1) Financial instruments and contract assets

The Company recognize a loss reserve for expected credit losses on the following assets:

- Financial assets measured at amortized cost
- Debt instruments measured at fair value- Other comprehensive income
- Contractual assets as defined in K-IFRS No. 1115

The Company measures loss allowances at an amount equal to lifetime ECLs, except for the following, which are measured as 12-month ECLs:

- Debt securities that are determined to have low credit risk at the reporting date; and
- Other debt securities and bank balances for which credit risk (i.e. the risk of default occurring over the expected life of the financial instrument) has not increased significantly since initial recognition.

The Company has elected to measure loss allowances for trade receivables and contract assets at an amount equal to lifetime ECLs.

When determining whether the credit risk of a financial asset has increased significantly since initial recognition and when estimating ECLs, the Company considers reasonable and supportable information that is relevant and available without undue cost or effort. This includes both quantitative and qualitative information and analysis, based on the Company's historical experience and informed credit assessment and including forward-looking information.

The Company considers a financial asset to be in default when:

- The borrower is unlikely to pay its credit obligations to the company in full, without recourse by the Company to actions such as realizing security (if any is held)

Total expected credit losses are the expected credit losses due to any default event that may occur during the expected life of the instrument. The expected 12-month credit loss is the total expected period that represents the expected credit loss due to a default event of a financial instrument that can occur within 12 months after the end of the reporting period (or a shorter period if the expected life of the instrument is less than 12 months) Part of credit loss.

The maximum period considered when estimating ECLs is the maximum contractual period over which the Company is exposed to credit risk.

2) Measurement of ECLs

ECLs are a probability-weighted estimate of credit losses. Credit losses are measured as the present value of all cash shortfalls (i.e. the difference between the cash flows due to the entity in accordance with the contract and the cash flows that the Company expects to receive). ECLs are discounted at the effective interest rate of the financial asset.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(6) Impairment of financial assets, continued

3) Credit-impaired financial assets

At each reporting date, the Company assesses whether financial assets carried at amortized cost and debt securities at FVOCI are credit-impaired. A financial asset is 'credit-impaired' when one or more events that have a detrimental impact on the estimated future cash flows of the financial asset have occurred

The evidence that the credit of a financial asset is impaired includes the following observable information.

- Significant financial difficulty of the debtor
- A breach of contract such as a default or being more than 90 days past due
- -The restructuring of a loan or advance by the company on terms that the company would not consider otherwise
- It is probable that the debtor will enter bankruptcy or other financial reorganization, or
- -The disappearance of an active market for a security because of financial difficulties

4) Presentation of allowance for credit loss on statement of financial position

The allowance for losses on financial assets at amortized cost is deducted from the carrying amount of the asset. For debt instruments measured at FVOCI, changes in credit risk are included in profit or loss and changes in non-credit risk are recognized in other comprehensive income.

5) Write-Off

If there is no reasonable expectation of recovery of all or part of the contractual cash flows of a financial asset, the asset is removed. For individual customers, the Company assesses the timing and amount of each individual by assessing whether there is a reasonable expectation of recovery for the enterprise customer, based on historical experience with the recovery of similar assets. The Company has no expectation that the proceeds will be recovered significantly. However, deferred financial assets can be subject to collection activities in accordance with the collection procedure of the amount due.

(7) Financial liabilities and Paid-in capital

1) Paid-in capital

Common stock is classified as equity. Incremental costs directly related to capital transactions are deducted from equity as a net amount reflecting the tax effect.

Repurchase of the Company's own equity instruments is recognized and deducted directly in equity. No gain or loss is recognized in profit or loss on the purchase, sale, issue or cancellation of the Company's own equity instruments.

2) Financial liabilities

The Company classifies financial liabilities as financial liabilities at fair value through profit or loss and other financial liabilities in accordance with the definition of the substance of contractual contracts and financial liabilities and recognizes them in the statement of financial position when becoming a party to the contract.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(7) Financial liabilities and Paid-in capital, continued

2) Financial liabilities, continued

① Financial liabilities at fair value through profit or loss

Financial liabilities are classified as held for trading if they are classified as held for trading, are derivatives, or are initially recognized at fair value through profit or loss. Financial liabilities at fair value through profit or loss are measured at fair value after initial recognition and changes in fair value are recognized in profit or loss. Transaction costs incurred in connection with the initial recognition are recognized in profit or loss as incurred.

(2) Other financial liabilities

Non-derivative financial liabilities that are not classified as financial liabilities at fair value through profit or loss are classified as other financial liabilities. Other financial liabilities are measured initially at fair value, net of transaction costs directly attributable to the issue. Subsequently, other financial liabilities are measured at amortized cost using the effective interest method. Interest expense is recognized using the effective interest method.

③ Elimination of financial liabilities

Company only eliminates financial liabilities when the contractual obligation of the financial liability is fulfilled, cancelled or expired. The Company recognizes new financial liabilities as fair value based on new contracts and removes existing liabilities when the contractual terms of the financial liabilities change and the cash flows change substantially. When a financial liability is derecognized, the difference between the carrying amount and the consideration paid (including any transferred non-cash assets or liabilities assumed) is recognized in profit or loss.

(8) Derivative financial instruments

The Company enters into derivative financial instruments to manage its exposure to foreign exchange rate risk by foreign exchange forward contracts.

Derivatives are initially recognized at fair value at the date the derivative contract is entered into and are subsequently re-measured to their fair value at the end of each reporting period. The resulting gain or loss is recognized in profit or loss immediately, unless the derivative is designated and effective as a hedging instrument; in which case the timing of the recognition in profit or loss depends on the nature of the hedge relationship.

At inception of designated hedging relationships, the company documents the risk management objective and strategy for undertaking the hedge. The company also documents the economic relationship between the hedged item and the hedging instrument, including whether the changes in cash flows of the hedged item and hedging instrument are expected to offset each other.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(8) Derivative financial instruments, continued

Cash Flow hedges

When a derivative is designated as a cash flow hedging instrument, the effective portion of change in the fair value of the derivative is recognized in OCI and accumulated in the hedging reserve. The effective portion of changes in the fair value of the derivative that is recognized in OCI is limited to the cumulative change in fair value of the hedged item, determined on a present value basis, from inception of the hedge. Any ineffective portion of changes in the fair value of the derivative is recognized immediately in profit or loss.

The company designates only the change in fair value of the spot element of forward exchange contracts as the hedging instrument in cash flow relationships. The change in fair value of the forward element of forward exchange contracts (forward points) is separately accounted for as a cost of hedging and recognized in a cost of hedging reserve within equity.

(9) Inventories

Inventories are stated at the lower of cost or net realizable value. Cost of inventories, except for those in transit, are measured under the weighted-average method and consists of the purchase price, cost of conversion and other costs incurred in bringing the inventories to their present location and condition. Net realizable value represents the estimated selling price for inventories, less all estimated costs of completion and costs necessary to make the sale.

When inventories are sold, the carrying amount of those inventories is recognized as an expense (cost of sales) in the period in which the related revenue is recognized. The amount of any write-down of inventories to net realizable value and all losses of inventories is recognized as an expense in the period the write-down or loss occurs. The amount of any reversal of any write-down of inventories, arising from an increase in net realizable value, is recognized as a reduction in the amount of inventories recognized as an expense in the period in which the reversal occurs.

(10) Property, plant and equipment

Property, plant and equipment are stated at cost, less subsequent accumulated depreciation and accumulated impairment losses. The cost of an item of property, plant and equipment is directly attributable to their purchase or construction, which includes any costs directly attributable to bringing the asset to the location and condition necessary for it to be capable of operating in the manner intended by management. It also includes the initial estimate of the costs of dismantling and removing the item and restoring the site on which it is located.

Subsequent costs are recognized in the carrying amount of an asset or as a separate asset if it is probable that future economic benefits associated with the assets will flow into the Company and the cost of an asset can be measured reliably. Routine maintenance and repairs are expensed as incurred.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(10) Property, plant and equipment, continued

The Company does not depreciate land. Depreciation expense is computed using the straight-line method based on the estimated useful lives of the assets as follows:

	Useful lives (Years)
Buildings	24–50
Structures	13–30
Machinery and equipment	10
Vehicles	6–10
Others	6–10

If each part of an item of property, plant and equipment has a cost that is significant in relation to the total cost of the item, it is depreciated separately.

The Company reviews the depreciation method, the estimated useful lives and residual values of property, plant and equipment at the end of each annual reporting period. If expectations differ from previous estimates, the changes are accounted for as a change in an accounting estimate.

An item of property, plant and equipment is derecognized upon disposal or when no future economic benefits are expected to arise from the continued use of the asset. Any gain or loss arising on derecognition of the property (calculated as the difference between the net disposal proceeds and the carrying amount of the asset) is included in profit or loss in the period in which the property is derecognized.

(11) Intangible assets

1) Intangible assets acquired separately

Intangible assets with finite useful lives that are acquired separately are carried at cost, less accumulated amortization and accumulated impairment losses. Amortization is recognized on a straight-line basis over their estimated useful lives. The estimated useful life and amortization method are reviewed at the end of each reporting period, with the effect of any changes in estimate being accounted for on a prospective basis. Intangible assets with indefinite useful lives that are acquired separately are carried at cost, less accumulated impairment losses.

2) Internally generated intangible assets - research and development expenditure

Expenditure on research activities is recognized as an expense in the period in which it is incurred.

Expenditure arising from development (or from the development phase of an internal project) is recognized as an intangible asset if, and only if, the development project is designed to produce new or substantially improved products, and the Company can demonstrate the technical and economic feasibility and measure reliably the resources attributable to the intangible asset during its development.

The amount initially recognized for internally generated intangible assets is the sum of the expenditure incurred from the date when the intangible asset first meets the recognition criteria. Where no internally generated intangible asset can be recognized, development expenditure is recognized in profit or loss in the period in which it is incurred.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(11) Intangible assets, continued

2) Internally generated intangible assets - research and development expenditure, continued

Subsequent to initial recognition, internally generated intangible assets are reported at cost, less accumulated amortization and accumulated impairment losses, on the same basis as intangible assets that are acquired separately.

The useful life of amortization related to intangible assets is as follows.

	Useful lives (Years)
Development cost	5
Patents	5~10
Software	3
Other intangible assets	Indefinite

3) Derecognition of intangible assets

An intangible asset is derecognized on disposal or when no future economic benefits are expected from its use or disposal. Gains or losses arising from derecognition of an intangible asset, measured as the difference between the net disposal proceeds and the carrying amount of the asset, are recognized in profit or loss when the asset is derecognized.

(12) Impairment of Non-financial assets

The carrying amounts of the Company's non-financial assets other than assets arising from biological assets, investment property, contract assets, employee benefits, inventories and deferred tax assets are reviewed at the end of the reporting period to determine whether there is any indication of impairment. If any such indication exists, then the asset's recoverable amount is estimated. Intangible assets that have indefinite useful lives irrespective of whether there is any indication of impairment, Good will and intangible assets not yet available are tested for impairment annually by comparing their recoverable amount to their carrying amount.

The Company estimates the recoverable amount of an individual asset, if it is impossible to measure the individual recoverable amount of an asset, then the Company estimates the recoverable amount of cash-generating unit ("CGU"). A CGU is the smallest identifiable group of assets that generates cash inflows that are largely independent of the cash inflows from other assets or groups of assets. The recoverable amount of an asset or CGU is the greater of its value in use and its fair value less costs to sell.

The value in use is estimated by applying a pre-tax discount rate that reflect current market assessments of the time value of money and the risks specific to the asset or CGU for which estimated future cash flows have not been adjusted, to the estimated future cash flows expected to be generated by the asset or CGU

An impairment loss is recognized in profit or loss if the carrying amount of an asset or a CGU exceeds its recoverable amount.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(13) Retirement benefit costs and termination benefits

For defined benefit retirement benefit plans, the cost of providing benefits is determined using the projected unit credit method, with actuarial valuations being carried out at the end of each reporting period. Remeasurement, comprising actuarial gains and losses, the effect of the changes to the asset ceiling (if applicable) and the return on plan assets (excluding interest), is reflected immediately in the separate statement of financial position with a charge or credit recognized in other comprehensive income in the period in which they occur. Remeasurement recognized in other comprehensive income is reflected immediately in retained earnings and will not be reclassified to profit or loss. Past service cost is recognized in profit or loss in the period of a plan amendment. Net interest is calculated by applying the discount rate at the beginning of the period to the net defined benefit liability or asset. Defined benefit costs are composed of service cost (including current service cost and past service cost, as well as gains and losses on curtailments and settlements), net interest expense (income) and remeasurement.

The Company presents the service cost and net interest expense (income) components in profit or loss and the remeasurement component in other comprehensive income. Curtailment gains and losses are accounted for as past service costs.

The retirement benefit obligation recognized in the separate statement of financial position represents the actual deficit or surplus in the Company's defined benefit plans. Any surplus resulting from this calculation is limited to the present value of any economic benefits available in the form of refunds from the plans or reductions in future contributions to the plans.

A liability for a termination benefit is recognized at the earlier of when the entity can no longer withdraw the offer of the termination benefit or when the entity recognizes any related restructuring costs.

Discretionary contributions made by employees or third parties reduce service cost upon payment of these contributions to the plan. When the formal terms of the plans specify that there will be contributions from employees or third parties, the accounting depends on whether the contributions are linked to service, as follows:

If the contributions are not linked to services (e.g., contributions are required to reduce a deficit arising from losses on plan assets or from actuarial losses), they are reflected in the remeasurement of the net defined benefit liability (asset).

If contributions are linked to services, they reduce service costs. For the amount of contribution that is dependent on the number of years of service, the entity reduces service cost by attributing the contributions to periods of service using the attribution method required by K-IFRS No. 1019 paragraph 70 for the gross benefits. For the amount of contribution that is independent of the number of years of service, the entity reduces service cost in the period in which the related service is rendered.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(14) Provisions

Provisions are recognized when the Company has a present obligation (legal or constructive) as a result of a past event, if it is probable that the Company will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

The amount recognized as a provision is the best estimate of the consideration required to settle the present obligation at the end of the reporting period, taking into account the risks and uncertainties surrounding the obligation. When a provision is measured using the cash flows estimated to settle the present obligation, its carrying amount is the present value of those cash flows (where the effect of the time value of money is material). The discount rate used is a pretax rate that reflects current market assessments of the time value of money and the risks specific to the liability. Where discounting is used, the increase in the provision due to the passage is recognized in profit or loss as borrowing cost.

When some or all of the economic benefits required to settle a provision are expected to be recovered from a third party, a receivable is recognized as an asset if it is virtually certain that reimbursement will be received and the amount of the receivable can be measured reliably.

At the end of each reporting period, the remaining provision balance is reviewed and assessed to determine if the current best estimate is being recognized. If the existence of an obligation to transfer economic benefit is no longer probable, the related provision is reversed during the period.

(15) Lease

The Company has initially adopted K-IFRS No.1116 Leases from January 1, 2019. The significant changes in accounting policies are described in note 2.(4).

The Company applied the following accounting policies in relation to leases before 1 January 2019. Leases are classified as finance leases whenever the terms of the lease transfer substantially all the risks and rewards of ownership to the lessee. All other leases are classified as operating leases.

1) a lessor

Amounts due from lessees under finance leases are recognized as receivables at the amount of the Company's net investment in the leases. Finance lease income is allocated to accounting periods so as to reflect a constant periodic rate of return on the Company's net investment outstanding in respect of the leases.

Rental income from operating leases is recognized on a straight-line basis over the term of the relevant lease. Initial direct costs incurred in negotiating and arranging an operating lease are added to the carrying amount of the leased asset and recognized on a straight-line basis over the lease term.

2) a lessee

Assets held under finance leases are initially recognized as assets of the Company at their fair value at the inception of the lease or, if lower, at the present value of the minimum lease payments. The corresponding liability to the lessor is included in the separate statement of financial position as a finance lease obligation.

Lease payments are apportioned between finance expenses and reduction of the lease obligation so as to achieve a constant rate of interest on the remaining balance of the liability. Finance expenses are recognized immediately in profit or loss, unless they are directly attributable to qualifying assets, in which case they are capitalized in accordance with the Company's general policy on borrowing costs (see Note 3. (16)). Contingent rentals are recognized as expenses in the periods in which they are incurred.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(15) Lease, continued

2) a lessee, continued

Operating lease payments are recognized as an expense on a straight-line basis over the lease term, except where another systematic basis is more representative of the time pattern in which economic benefits from the leased asset are consumed. Contingent rentals arising from operating leases are recognized as an expense in the period in which they are incurred.

In the event that lease incentives are received to enter into operating leases, such incentives are recognized as a liability. The aggregate benefit of incentives is recognized as a reduction of rental expense on a straight-line basis, except where another systematic basis is more representative of the time pattern in which economic benefits from the leased asset are consumed.

(16) Borrowing costs

Borrowing costs directly attributable to the acquisition, construction or production of qualifying assets, which are assets that necessarily take a substantial period of time to get ready for their intended use or sale, are added to the cost of those assets, until such time as the assets are substantially ready for their intended use or sale.

Investment income earned on the temporary investment of specific borrowings, pending their expenditure on qualifying assets, is deducted from the borrowing costs eligible for capitalization. All other borrowing costs are recognized in profit or loss in the period in which they are incurred.

(17) Government grants

Government grants are not recognized until there is reasonable assurance that the Company will comply with the conditions attached to them and that the grants will be received.

The benefit of a government loan at a below-market rate of interest is treated as a government grant, measured as the difference between proceeds received and the fair value of the loan based on prevailing market interest rates.

Government grants related to assets are presented in the separate statement of financial position by deducting the grant from the carrying amount of the asset. The related grant is recognized in profit or loss over the life of a depreciable asset as a reduced depreciation expense.

Government grants related to income are recognized in profit or loss on a systematic basis over the periods in which the Company recognizes as expenses the related costs for which the grants are intended to compensate. Government grants that are receivable as compensation for expenses or losses already incurred or for the purpose of giving immediate financial support to the Company with no future related costs are recognized in profit or loss in the period in which they become receivable.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(18) Finance income and expenses

Finance income comprises interest income on funds invested. Interest income is recognized as it accrues in profit or loss, using the effective interest method.

Finance expenses comprise interest expenses on borrowings. Interest expense is recognized as it accrues in profit or loss, using the effective interest method.

(19) Earnings per share

The Company presents basic and diluted earnings per share(EPS) data for its ordinary shares. Basic EPS is calculated by dividing the profit or loss attributable to ordinary shareholdings of the Company by the weighted average number of ordinary shares outstanding during the period, adjusted for own shares held. The Company has no dilutive potential shares, therefore diluted earnings(loss) per share is equal to the basic earnings(loss) per share.

(20) Taxation

Income tax expense represents the sum of the tax currently payable and deferred tax.

1) Current tax

The tax currently payable is based on taxable profit for the year. Taxable profit differs from profit as reported in the separate statement of comprehensive income because of items of income or expense that are taxable or deductible in other years and items that are never taxable or deductible. The Company's liability for current tax is calculated using tax rates that have been enacted or substantively enacted by the end of the reporting period.

2) Deferred tax

Deferred tax is recognized on temporary differences between the carrying amounts of assets and liabilities in the financial statements and the corresponding tax bases used in the computation of taxable profit. Deferred tax liabilities are generally recognized for all taxable temporary differences.

Deferred tax assets are generally recognized for all deductible temporary differences to the extent it is probable that taxable profits will be available against which those deductible temporary differences can be utilized. Such deferred tax assets and liabilities are not recognized if the temporary difference arises from goodwill or from the initial recognition (other than in a business combination) of other assets and liabilities in a transaction that affects neither the taxable profit nor the accounting profit.

Deferred tax liabilities are recognized for taxable temporary differences associated with investments in subsidiaries and associates and interests in joint ventures, except where the Company is able to control the reversal of the temporary difference and it is probable that the temporary difference will not reverse in the foreseeable future. Deferred tax assets arising from deductible temporary differences associated with such investments and interests are only recognized to the extent it is probable that there will be sufficient taxable profits against which the benefits of the temporary differences can be utilized and they are expected to reverse in the foreseeable future.

The carrying amount of deferred tax assets is reviewed at the end of each reporting period and reduced to the extent it is no longer probable that sufficient taxable profits will be available to allow all or part of the asset to be recovered.

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(20) Taxation, continued

2) Deferred tax, continued

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply in the period in which the liability is settled or the asset realized, based on tax rates (and tax laws) that have been enacted or substantively enacted by the end of the reporting period. The measurement of deferred tax liabilities and assets reflects the tax consequences that would follow from the manner in which the Company expects, at the end of the reporting period, to recover or settle the carrying amount of its assets and liabilities.

Deferred tax assets and liabilities are offset if, and only if, the Company has a legally enforceable right to set off current tax assets against current tax liabilities and the deferred tax assets and liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities that intend either to settle current tax liabilities and assets on a net basis or to realize the assets and settle the liabilities simultaneously in each future period in which significant amounts of deferred tax liabilities or assets are expected to be settled or recovered.

3) Current and deferred taxes for the year

Current and deferred tax are recognized in profit or loss, except when they relate to items that are recognized in other comprehensive income or directly in equity, in which case the current and deferred taxes are also recognized in other comprehensive income or directly in equity, respectively. Where current tax or deferred tax arises from the initial accounting for a business combination, the tax effect is included in the accounting for the business combination.

(21) Fair value

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date, regardless of whether that price is directly observable or estimated using another valuation technique. In estimating the fair value of an asset or a liability, the Company takes into account the characteristics of the asset or liability if market participants would take those characteristics into account when pricing the asset or liability at the measurement date. Fair value for measurement and/or disclosure purposes in these separate financial statements is determined on such a basis, except for share-based payment transactions that are within the scope of K-IFRS No. 1102 Share-based payment; leasing transactions that are within the scope of K-IFRS No. 1116 Leases; and measurements that have some similarities to fair value, but are not fair value, such as net realizable value in K-IFRS No. 1002 Inventories or value in use in K-IFRS No. 1036 Impairment of Assets.

In addition, for financial reporting purposes, fair value measurements are categorized into Level 1, 2 or 3 based on the degree to which the inputs to the fair value measurements are observable and the significance of the inputs to the fair value measurement in its entirety, which are described as follows:

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

For the years ended December 31, 2019 and 2018

3. Significant Accounting Policies, Continued

(22) Segment information

Segment information is presented in the same format as the reporting material presented to the Company's management. The Company's management is liable for the assessment of the resources to be allocated to the business segments and the performance results of the business segments.

(23) Accounting Treatment related to the Emission Rights Cap and Trade Scheme

The Company classifies the emission rights as intangible assets. Emission right allowances the government allocated free of charge are measured at \forall 0, and emission right allowances purchased are measured at cost that the Company paid to purchase the allowances. If emission rights that the government allocated free of charge are sufficient to settle the emission rights allowances allotted for vintage year, the emissions liabilities are measured at \forall 0. However, for the emission liabilities that exceed the allowances allocated free of charge, the shortfall is measured at best estimate at the end of the reporting period.

4. Cash and Cash Equivalents

Cash and cash equivalents include cash on hand and in banks and highly liquid short-term financial instruments that may be easily converted into cash and whose risk of value fluctuation is not material.

5. Restricted Financial Instruments

Restricted financial Instruments as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

	Financial		Korear	n won	Indian r	rupee	
	institution		2019	2018	2019	2018	Description
Cash and cash equivalents	Shinhan Bank and others	₩	187,494	1,086,949 Rs	11,552	66,972	Government grants Unconfirmed reorganization debt
	Woori Bank		752,317	750,379	46,354	46,235	pledged as collateral
Non-current financial instruments	Shinhan Bank and others		4,000	4,000	246	246	Bank account deposit
		₩	943,811	1,841,328 Rs	58,152	113,453	

For the years ended December 31, 2019 and 2018

6. Non-current Financial Assets

Non-current financial assets as of December 31, 2019 and 2018 are as follows:

(In thousands of won)

,		_		2019		2018
	Ownership (%)		Acquisition cost	Net asset value	Book value	Book value
Korea Business Finance Loan(*) Korea Management	1.72	₩	500,000	722,313	500,000	500,000
Consultants Association(*)	1.50	-	60,000	854,342	60,000	60,000
		W	560,000	1,576,655	560,000	560,000
(In thousands of rupee)				2019		2018
	Ownership (%)	-	Acquisition cost	Net asset value	Book value	Book value
Korea Business Finance Loan(*) Korea Management	1.72	Rs	30,807	44,505	30,807	30,807
Consultants Association(*)	1.50	_	3,697	52,640	3,697	3,697
		Rs	34,504	97,145	34,504	34,504

^(*) Investments in equity instruments that do not have a quoted market price in an active market and whose fair value cannot be reliably measured are measured at acquisition cost.

7. Trade and Other Receivables

(1) Details of trade and other receivables as of December 31, 2019 and 2018 are as follows:

(III tillousarius of worl)		2019		2018		
	_	Current	Non-current	Current	Non-current	
Trade receivables	₩	159,356,266	100,000	179,134,041	1,332,414	
Less: Allowance for doubtful accounts		(332,307)	(497)	(122,904)	(1,395)	
Other receivables		7,104,763	108,172	8,440,060	553,345	
Less: Allowance for doubtful accounts		(4,442,546)	(44,345)	(3,918,799)	(450,095)	
Loans and others(*)		12,208,478	38,721,961	12,106,439	33,690,668	
Less: Allowance for doubtful accounts	_		(357)		(357)	
	₩_	173,894,654	38,884,934	195,638,837	35,124,580	

^(*) The Loans and others listed above include $\mbox{$W$}$ 4,037,510 thousand for sub lease receivables and the interest revenue received by the sub lease contract is $\mbox{$W$}$ 637,160 thousand.

For the years ended December 31, 2019 and 2018

7. Trade and Other Receivables, Continued

(1) Details of trade and other receivables as of December 31, 2019 and 2018 are as follows, continued:

(In thousands of rupee)		2019		2018		
	_	Current	Non-current	Current	Non-current	
Trade receivables	Rs	9,818,736	6,162	11,037,344	82,097	
Less: Allowance for doubtful accounts		(20,475)	(31)	(7,573)	(86)	
Other receivables		437,760	6,665	520,034	34,094	
Less: Allowance for doubtful accounts		(273,727)	(2,732)	(241,457)	(27,733)	
Loans and others(*)		752,225	2,385,853	745,939	2,075,851	
Less: Allowance for doubtful accounts			(22)		(22)	
	Rs_	10,714,519	2,395,895	12,054,287	2,164,201	

^(*) The Loans and others listed above include Rs 248,771 thousand for sub lease receivables and the interest revenue received by the sub lease contract is Rs 39,259 thousand.

(2) Details of aging analysis of the trade and other receivables as of December 31, 2019 and 2018 are as follows:

(In thousands of won)		201	9	2018	8
	_	Trade receivables	Others(*)	Trade receivables	Others(*)
Less than 90 days Less than 180 days Less than 270 days Less than 365 days More than 365 days	₩	124,619,361 15,540,796 17,528,017 674,780 1,093,312	53,501,544 57,067 30,610 1,568 4,552,585	169,731,967 3,899,884 3,844,119 2,511,167 479,318	47,795,006 361,228 133,364 1,878,601 4,622,313
Total Impaired receivables	₩_	159,456,266 332,804	58,143,374 4,487,248	180,466,455 124,299	54,790,512 4,369,251
(In thousands of rupee)		2019	9	201	8
(In thousands of rupee)	_	2019 Trade receivables	Others(*)	201 Trade receivables	8 Others(*)
(In thousands of rupee) Less than 90 days Less than 180 days Less than 270 days Less than 365 days More than 365 days	Rs	Trade		Trade	

^(*) Others consist of other receivables, loans and others.

For the years ended December 31, 2019 and 2018

7. Trade and Other Receivables, Continued

(3) Changes in allowance for trade and other receivables for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won)

		2019)	2018		
	_	Trade receivables	Others	Trade receivables	Others	
Beginning balance Bad debt expense Reversal of allowance for bad debts Removal	₩	124,299 209,403 (898)	4,369,251 524,237 (405,749) (491)	126,715 - (2,416) -	3,783,442 600,864 (15,055)	
Ending balance	₩_	332,804	4,487,248	124,299	4,369,251	

(In thousands of rupee)

	_	2019		2018		
	_	Trade receivables	Others	Trade receivables	Others	
Beginning balance Bad debt expense Reversal of allowance for bad debts Removal	Rs	7,659 12,902 (55)	269,212 32,299 (25,000) (30)	7,808 - (149)	233,118 37,022 (928)	
Ending balance	Rs	20,506	276,481	7,659	269,212	

8. Inventories

Details of inventories as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian rupee		
		2019	2018	2019	2018	
Merchandises	₩	37,958,354	39,892,986 Rs	2,338,804	2,458,006	
Finished goods		73,488,372	76,588,557	4,527,986	4,719,004	
Work-in-process		22,869,812	27,069,755	1,409,123	1,667,903	
Raw materials		34,184,282	31,654,571	2,106,265	1,950,396	
Sub-materials		375,663	413,615	23,146	25,485	
Supplies		3,270,070	3,611,193	201,486	222,504	
Goods in transit		32,477,788	37,725,938	2,001,119	2,324,484	
	₩	204,624,341	216,956,615 Rs	12,607,929	13,367,782	

The Company has measured inventories at the lower of cost or net realizable value. The loss on valuation of inventories amounted to $\frac{1}{2}$ 9,469,719 thousand (Rs 583,477 thousand) and $\frac{1}{2}$ 7,981,632 thousand (Rs 491,788 thousand) for the years ended December 31, 2019 and 2018 is included in cost of sales.

For the years ended December 31, 2019 and 2018

9. Investments in Subsidiaries and a Joint venture

Details of investment in subsidiaries and a joint venture as of December 31, 2019 and 2018 are as follows: (In thousands of won)

					20	19	2018
	Company	Location	Owner ship	Closing month	Acquisition cost	Book value	Book value
	Ssangyong Motor (Shanghai) Co., Ltd. Ssangyong	China	100%	December 4	₩ 5,338,097	297,411	297,410
Subsidiaries	European Parts Center B.V. Ssangyong	Netherlands	100%	December	835,695	-	-
	Australia Pty Ltd.(*1)	Australia	100%	December	4,067,594 10,241,386	297,411	2,950,833 3,248,243
Joint venture	SY Auto Capital Co., Ltd.(*2)	Korea	51%	December	10,200,000	10,200,000	10,200,000
				7	₩ 20,441,386	10,497,411	13,448,243

^(*1) The company made additional investments of $\ensuremath{\mathbb{W}}$ 1,116,761 thousand during the year. Impairment loss on investments in subsidiaries of $\ensuremath{\mathbb{W}}$ 4,067,594 thousand was recognized for the year ended December 31, 2019.

(In thousands of rupee)

					20	19	2018
	Company	Location	Owner ship	Closing month	Acquisition cost	Book value	Book value
	Ssangyong Motor (Shanghai) Co., Ltd. Ssangyong	China	100%	December Rs	328,907	18,325	18,325
Subsidiaries	European Parts Center B.V. Ssangyong	Netherlands	100%	December	51,491	-	-
	Australia Pty Ltd.(*1)	Australia	100%	December	250,625 631,023	18,325	181,816 200,141
Joint venture	SY Auto Capital Co., Ltd.(*2)	Korea	51%	December	628,473	628,473	628,473
				Rs	1,259,496	646,798	828,614

^(*1) Impairment loss on investments in subsidiaries of Rs 250,625 thousand was recognized for the year ended December 31, 2019. Ssangyong Australia Pty Ltd. has been invested Rs 68,809 thousand for 100% of the shares in 2019.

^(*2) SY Auto Capital Co., Ltd. were established under joint venture agreement as a joint venture since the Company has rights only to the net assets, and their legal structures of arrangements are separated.

^(*2) SY Auto Capital Co., Ltd. were established under joint venture agreement as a joint venture since the Company has rights only to the net assets, and their legal structures of arrangements are separated.

For the years ended December 31, 2019 and 2018

10. Other Assets

Details of other assets as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean v	von	Indian rupee		
	_	2019	2018	2019	2018	
Other current assets						
Advance payments	₩	1,341,758	1,013,026 Rs	82,672	62,418	
Prepaid expenses		7,107,472	9,906,317	437,927	610,378	
Current tax assets		430,322	324,294	26,515	19,980	
	₩	8,879,552	11,243,637 Rs	547,114	692,776	
Other non-current assets						
Other non-current assets	₩	276,041	276,099 Rs	17,009	17,012	

11. Property, Plant and Equipment

(1) Details of property, plant and equipment as of December 31, 2019 and 2018 are as follows:

(In thousands of won)

(In thousands of won)		2019							
	-	Acquisition cost	Government grants	Accumulated depreciation	Accumulated impairment losses	Book value			
Land	₩	474,755,254	(7,354)	-	-	474,747,900			
Buildings		552,055,868	(3,681,126)	(239,864,472)	(157, 179, 120)	151,331,150			
Structures		112,714,645	(69,552)	(67,488,211)	(29,759,580)	15,397,302			
Machinery		1,306,810,589	(143,706)	(1,053,087,261)	(100,241,895)	153,337,727			
Vehicles		8,304,758	(4,344)	(5,758,383)	(471,742)	2,070,289			
Tools and molds		1,405,141,005	(90,765)	(912,094,472)	(171,857,337)	321,098,431			
Equipment		69,603,163	(110,235)	(54,857,475)	(3,482,468)	11,152,985			
Construction in progress		12,717,610	-	-	(699,821)	12,017,789			
Machinery in transit	-	233,039		<u> </u>	<u> </u>	233,039			
	₩	3,942,335,931	(4,107,082)	(2,333,150,274)	(463,691,963)	1,141,386,612			

(In thousands of won)

				2010		
	_	Acquisition cost	Government grants	Accumulated depreciation	Accumulated impairment losses	Book value
Land	₩	475,116,992	(7,354)	-	-	475,109,638
Buildings		550,322,646	(3,734,723)	(228,576,444)	(148,366,786)	169,644,693
Structures		112,176,542	(90,063)	(65,850,786)	(28,862,964)	17,372,729
Machinery		1,276,272,698	(166,908)	(1,023,019,261)	(92,390,513)	160,696,016
Vehicles		7,499,847	(5,878)	(5,745,301)	(516,742)	1,231,926
Tools and molds		1,261,396,400	(24,038)	(826,949,338)	(157,469,741)	276,953,283
Equipment		69,535,620	(74,248)	(52,003,068)	(3,203,583)	14,254,721
Construction in progress		110,625,296	-	-	-	110,625,296
Machinery in transit	-	1,318,137				1,318,137
	₩	3,864,264,178	(4,103,212)	(2,202,144,198)	(430,810,329)	1,227,206,439

For the years ended December 31, 2019 and 2018

11. Property, Plant and Equipment, Continued

(1) Details of property, plant and equipment as of December 31, 2019 and 2018 are as follows, continued:

(In thousands	of rupee))
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•				2019					
	-		Accumulated						
		Acquisition	Government	Accumulated	impairment				
	_	cost	grants	depreciation	losses	Book value			
Land	Rs	29,252,045	(453)	-	-	29,251,592			
Buildings		34,014,922	(226,816)	(14,779,249)	(9,684,591)	9,324,266			
Structures		6,944,913	(4,285)	(4,158,286)	(1,833,637)	948,705			
Machinery		80,519,134	(8,854)	(64,885,972)	(6,176,404)	9,447,904			
Vehicles		511,698	(268)	(354,803)	(29,066)	127,561			
Tools and molds		86,577,763	(5,592)	(56, 198, 701)	(10,588,990)	19,784,480			
Equipment		4,288,599	(6,792)	(3,380,043)	(214,572)	687,192			
Construction in progress		783,596	-	-	(43,119)	740,477			
Machinery in transit	_	14,359				14,359			
	Rs	242,907,029	(253,060)	(143,757,054)	(28,570,379)	70,326,536			

(In thousands of rupee)

(In thousands of rupee)				2018		
	-	Acquisition cost	Government grants	Accumulated depreciation	Accumulated impairment losses	Book value
Land	Rs	29,274,333	(453)	-	-	29,273,880
Buildings		33,908,130	(230,114)	(14,083,738)	(9,141,620)	10,452,658
Structures		6,911,758	(5,549)	(4,057,396)	(1,778,392)	1,070,421
Machinery		78,637,542	(10,284)	(63,033,332)	(5,692,641)	9,901,285
Vehicles		462,103	(362)	(353,997)	(31,839)	75,905
Tools and molds		77,720,939	(1,481)	(50,952,483)	(9,702,498)	17,064,477
Equipment		4,284,437	(4,575)	(3,204,169)	(197,389)	878,304
Construction in progress	3	6,816,178	-	-	-	6,816,178
Machinery in transit	-	81,217				81,217
	Rs	238.096.637	(252.818)	(135.685.115)	(26.544.379)	75.614.325

For the years ended December 31, 2019 and 2018

11. Property, Plant and Equipment, Continued

(2) Changes in property, plant and equipment for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won)					2019			
	-	Beginning balance	Acquisition	Disposal	Depreciation	impairment (*1)	Others (*2)	Ending balance
Land	₩	475,109,638	-	(361,738)	-	-	-	474,747,900
Buildings		169,644,693	78,903	-	(11,185,918)	(8,812,334)	1,605,806	151,331,150
Structures		17,372,729	456,902	(132,731)	(1,641,894)	(896,618)	238,914	15,397,302
Machinery		160,696,016	105,540	(261,972)	(39,624,472)	(8,928,852)	41,351,467	153,337,727
Vehicles		1,231,926	329,635	(427,369)	(572,765)	(120,557)	1,629,419	2,070,289
Tools and molds		276,953,283	9,284,053	(389,315)	(106,810,004)	(18,698,149)	160,758,563	321,098,431
Equipment		14,254,721	2,380,817	(29,516)	(5,061,468)	(649,460)	257,891	11,152,985
Construction in								
progress		110,625,296	103,484,143	-	-	(699,821)	(201,391,829)	12,017,789
Machinery in transit	_	1,318,137	1,286,628				(2,371,726)	233,039
	₩	1,227,206,439	117,406,621	(1,602,641)	(164,896,521)	(38,805,791)	2,078,505	1,141,386,612

(In thousands of won)				20	018		
	_	Beginning balance	Acquisition	Disposal	Depreciation	Others(*2)	Ending balance
Land	₩	475,062,920	54,072	-	-	(7,354)	475,109,638
Buildings		175,450,508	245,602	(352)	(10,958,093)	4,907,028	169,644,693
Structures		16,717,153	509,016	(3)	(1,719,493)	1,866,056	17,372,729
Machinery		168,999,971	33,906	(96,855)	(32,913,358)	24,672,352	160,696,016
Vehicles		1,182,791	114,689	(257,180)	(382,373)	573,999	1,231,926
Tools and molds		298,398,114	897,900	(224,932)	(89,610,504)	67,492,705	276,953,283
Equipment		16,415,748	3,842,551	(146,967)	(6,149,031)	292,420	14,254,721
Construction in progress		87,441,686	123,427,659	-	-	(100,244,049)	110,625,296
Machinery in transit		<u>-</u>	1,318,137			<u> </u>	1,318,137
	₩	1,239,668,891	130,443,532	(726,289)	(141,732,852)	(446,843)	1,227,206,439

^(*1) Cash Generating Unit consists of only a single cash-generating unit. As the present value (value in use) of future cash flows expected from the use and disposal of property, plant and equipment is less than the book value at the end of this year, the book value was adjusted to recoverable value and the difference was recognized as a loss on property, plant and equipment (non-operating expenses). The discount rate used in calculating value in use is 8.6% and 1% growth rate has been applied since 2024.

^(*2) Capitalized borrowing costs in respect of construction in progress is \$\footnote{\psi}\$ 765,291 thousand (2018: \$\footnote{\psi}\$ 1,073,366 thousand) and \$\footnote{\psi}\$ 1,510,906 thousand (2018: \$\footnote{\psi}\$ 519,000 thousand) was transferred from inventory to vehicles during the year ended December 31, 2019. The government grant amounting to \$\footnote{\psi}\$ 197,692 thousand (2018: \$\footnote{\psi}\$ 2,012,470 thousand) was used for asset acquisition was included in others during the year ended December 31,2019.

For the years ended December 31, 2019 and 2018

11. Property, Plant and Equipment, Continued

(2) Changes in property, plant and equipment for the years ended December 31, 2019 and 2018 are as follows, continued:

(In thousands of rupee)	2019											
		Beginning balance	Acquisition	Disposal	Depreciation	impairment (*1)	Others (*2)	Ending balance				
Land	Rs	29,273,880	-	(22,288)	-	-	-	29,251,592				
Buildings		10,452,658	4,862	-	(689,220)	(542,972)	98,938	9,324,266				
Structures		1,070,421	28,152	(8,178)	(101,165)	(55,245)	14,720	948,705				
Machinery		9,901,285	6,503	(16,141)	(2,441,463)	(550,153)	2,547,873	9,447,904				
Vehicles		75,905	20,310	(26,332)	(35,291)	(7,428)	100,397	127,561				
Tools and molds		17,064,477	572,037	(23,988)	(6,581,098)	(1,152,086)	9,905,138	19,784,480				
Equipment		878,304	146,694	(1,819)	(311,862)	(40,016)	15,891	687,192				
Construction in progress		6,816,178	6,376,175	-	-	(43,119)	(12,408,757)	740,477				
Machinery in transit		81,217	79,276				(146,134)	14,359				
	Rs	75,614,325	7,234,009	(98,746)	(10,160,099)	(2,391,019)	128,066	70,326,536				

(In thousands of rupee)	_				2018		
	-	Beginning balance	Acquisition	Disposal	Depreciation	Others(*2)	Ending balance
Land	Rs	29,271,002	3,332	-	-	(454)	29,273,880
Buildings		10,810,383	15,133	(22)	(675, 183)	302,347	10,452,658
Structures		1,030,027	31,363	-	(105,947)	114,978	1,070,421
Machinery		10,412,933	2,089	(5,968)	(2,027,957)	1,520,188	9,901,285
Vehicles		72,878	7,067	(15,846)	(23,560)	35,366	75,905
Tools and molds		18,385,800	55,324	(13,859)	(5,521,351)	4,158,563	17,064,477
Equipment		1,011,456	236,759	(9,055)	(378,873)	18,017	878,304
Construction in progress		5,387,719	7,604,995	-	-	(6,176,536)	6,816,178
Machinery in transit		-	81,217	-	-	-	81,217
	Rs	76,382,198	8,037,279	(44,750)	(8,732,871)	(27,531)	75,614,325

- (*1) Cash Generating Unit consists of only a single cash-generating unit. As the present value (value in use) of future cash flows expected from the use and disposal of property, plant and equipment is less than the book value at the end of this year, the book value was adjusted to recoverable value and the difference was recognized as a loss on property, plant and equipment (non-operating expenses). The discount rate used in calculating value in use is 8.6% and 1% growth rate has been applied since 2024.
- (*2) Capitalized borrowing costs in respect of construction in progress is Rs 47,153 thousand (2018: Rs 66,135 thousand) and Rs 93,094 thousand (2018: Rs 31,978 thousand) was transferred from inventory to vehicles during the year ended December 31, 2019. The government grant amounting to Rs 12,185 thousand (2018: Rs 123,998 thousand) was used for asset acquisition was included in others during the year ended December 31,2019.

For the years ended December 31, 2019 and 2018

11. Property, Plant and Equipment, Continued

(3) Details of pledged assets provided as collateral for the borrowings as of December 31, 2019 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won			Indian rupee		
	-	Book value	Collateralized amount		Book value	Collateralized amount	
Land Buildings and structures Machinery and others	₩	450,663,971 113,593,935 15,639	372,000,000	Rs	27,767,661 6,999,090 964	22,920,780	
	₩_	564,273,545	372,000,000	Rs	34,767,715	22,920,780	

(4) Capitalized borrowing costs and capitalization interest rate for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won			Indian rupee		
		2019	2018		2019	2018	
Capitalized interest expenses	₩	3,466,735	3,724,107	Rs	213,603	229,461	
Capitalization interest rate		3.49%	3.35%		3.49%	3.35%	

12. Intangible Assets

(1) Details of intangible assets as of December 31, 2019 and 2018 are as follows:

	2019							
	Acquisition cost	Government grants	Accumulated amortization	Accumulated impairment losses	Book value			
₩	4,848,742	(9,343)	(275,331,952) (3,525,514) (33,946,764)	(12,928,659) (156,296) (6,544,340)	222,019,365 1,157,589 89,678,645			
₩	645,298,467	(9,343)	(312,804,230)	(19,629,295)	312,855,599			
	-	cost ₩ 510,279,976 4,848,742	cost grants ₩ 510,279,976 - 4,848,742 (9,343) 130,169,749 -	cost grants amortization ₩ 510,279,976 - (275,331,952) 4,848,742 (9,343) (3,525,514) 130,169,749 - (33,946,764)	Acquisition cost Government grants Accumulated amortization Accumulated impairment losses ₩ 510,279,976 4,848,742 (9,343) (3,525,514) 130,169,749 - (275,331,952) (12,928,659) (156,296) (156,296) (6,544,340)			

(In thousands of won)		2018							
	-	Acquisition cost	Government grants	Accumulated amortization	Accumulated impairment losses	Book value			
Development cost	₩	345,185,015	-	(182,160,013)	-	163,025,002			
Patents		4,360,730	(11,559)	(2,907,159)	(107,788)	1,334,224			
Other intangible assets		221,383,684	(6,186)	(30,567,312)	(1,409,450)	189,400,736			
	₩	570,929,429	(17,745)	(215,634,484)	(1,517,238)	353,759,962			

For the years ended December 31, 2019 and 2018

12. Intangible Assets, Continued

(1) Details of intangible assets as of December 31, 2019 and 2018 are as follows, continued:

(In thousands of rupee)				2019		
	- -	Acquisition cost	Government grants	Accumulated amortization	Accumulated impairment losses	Book value
Development cost Patents Other intangible assets	Rs	31,440,901 298,755 8,020,409		(16,964,578) (217,225) (2,091,630)	(796,599) (9,630) (403,230)	13,679,724 71,325 5,525,549
	Rs	39,760,065	(575)	(19,273,433)	(1,209,459)	19,276,598
(In thousands of rupee)				2018		
	•		•		Accumulated	
		Acquisition cost	grants	Accumulated amortization	impairment losses	Book value
Development cost Patents Other intangible assets	Rs	21,268,575 268,686 13,640,556	(713)	(11,223,789) (179,125) (1,883,405)	(6,641) (86,843)	10,044,786 82,207 11,669,927
	Rs	35,177,817	(1,094)	(13,286,319)	(93,484)	21,796,920

For the years ended December 31, 2019 and 2018

12. Intangible Assets, Continued

(2) Changes in intangible assets for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won)

		2019											
	-	Beginning balance	Acquisition	Disposal	Amortization	Impairment (*1)	Transfer	Others (*2)	Ending balance				
Internally cre	eated	l intangible as	ssets:										
Development cost Other intangible	₩	163,025,002	-	-	(93,171,939)	(12,928,659)	165,094,961	-	222,019,365				
assets	-	181,843,818 344,868,820	68,251,200 68,251,200	<u>-</u> -	(93,171,939)	(4,826,016) (17,754,675)	(165,094,961)	2,701,444 2,701,444	82,875,485 304,894,850				
Patents Other	acqu	ired intangibl 1,334,224	e assets: 488,012	-	(616,139)	(48,508)	-	-	1,157,589				
intangible assets	₩_	7,556,918 8,891,142 353,759,962	3,040,520 3,528,532 71,779,732	(112,138)	(3,373,265) (3,989,404) (97,161,343)	(308,875) (357,383) (18,112,058)		- 2,701,444	6,803,160 7,960,749 312,855,599				

(In thousands of won)

					2010			
		Beginning balance	Acquisition	Amortization	Impairment (*1)	Transfer	Others (*2)	Ending balance
Internally cre	eated	intangible as	sets:					
Development	t							
cost	₩	189,161,366	-	(66,365,959)	-	40,229,595	-	163,025,002
Other								
intangible								
assets	_	104,765,438	115,704,215		(1,046,981)	(40,229,595)	2,650,741	181,843,818
	_	293,926,804	115,704,215	(66,365,959)	(1,046,981)	-	2,650,741	344,868,820
Individually	acqui	ired intangible	assets:					
Patents		1,592,985	376,594	(605,905)	(29,450)	-	-	1,334,224
Other								
intangible								
assets	_	7,748,933	3,417,166	(3,609,181)		_	-	7,556,918
		9,341,918	3,793,760	(4,215,086)	(29,450)	-	-	8,891,142
	₩	303,268,722	119,497,975	(70,581,045)	(1,076,431)	-	2,650,741	353,759,962

2018

^(*1) Cash Generating Unit consists of only a single cash-generating unit. As the present value (value in use) of future cash flows expected from the use and disposal of Intangible Assets is less than the book value at the end of this year, the book value was adjusted to recoverable value and the difference was recognized as a loss on Intangible Assets (non-operating expenses). The discount rate used in calculating value in use is 8.6% and 1% growth rate has been applied since 2024.

^(*2) Capitalized borrowing costs in respect of other intangible assets is \$\footnote{\psi}\$ 2,701,444 thousand and \$\footnote{\psi}\$ 2,650,741 thousand for the years ended December 31, 2019 and 2018, respectively.

For the years ended December 31, 2019 and 2018

12. Intangible Assets, Continued

(2) Changes in intangible assets for the years ended December 31, 2019 and 2018 are as follows, continued:

(In thousands of rupee)

			2019										
		Beginning balance	Acquisition	Disposal	Amortization	Impairment (*1)	Transfer	Others (*2)	Ending balance				
Internally crea	ted	intangible as	ssets:										
Development													
cost F	Rs	10,044,786	-	-	(5,740,789)	(796,599)	10,172,326	-	13,679,724				
Other													
intangible													
assets		11,204,307	4,205,298	-	-	(297,355)	(10,172,326)	166,448	5,106,372				
		21,249,093	4,205,298	-	(5,740,789)	(1,093,954)		166,448	18,786,096				
Individually ac	cqui	red intangibl	e assets:										
Patents		82,207	30,069	-	(37,963)	(2,988)	-	-	71,325				
Other													
intangible													
assets	_	465,620	187,342	(6,909)	(207,844)	(19,032)			419,177				
		547,827	217,411	(6,909)	(245,807)	(22,020)	-	-	490,502				
F	Rs_	21,796,920	4,422,709	(6,909)	(5,986,596)	(1,115,974)		166,448	19,276,598				

(In thousands of rupee)

					2010			
		Beginning balance	Acquisition	Amortization	Impairment (*1)	Transfer	Others (*2)	Ending balance
Internally crea	ted i	intangible as	sets:					
Development								
cost	Rs	11,655,178	-	(4,089,138)	-	2,478,746	-	10,044,786
Other								
intangible								
assets		6,455,122	7,129,115	-	(64,510)	(2,478,746)	163,326	11,204,307
		18,110,300	7,129,115	(4,089,138)	(64,510)	-	163,326	21,249,093
Individually ac	quir	ed intangible	e assets:					
Patents		98,151	23,204	(37,333)	(1,815)	-	-	82,207
Other								
intangible								
assets		477,451	210,549	(222,380)	-	-	-	465,620
	_	575,602	233,753	(259,713)	(1,815)			547,827
	Rs_	18,685,902	7,362,868	(4,348,851)	(66,325)	<u>-</u> _	163,326	21,796,920

2018

^(*1) Cash Generating Unit consists of only a single cash-generating unit. As the present value (value in use) of future cash flows expected from the use and disposal of Intangible Assets is less than the book value at the end of this year, the book value was adjusted to recoverable value and the difference was recognized as a loss on Intangible Assets (non-operating expenses). The discount rate used in calculating value in use is 8.6% and 1% growth rate has been applied since 2024.

^(*2) Capitalized borrowing costs in respect of other intangible assets is Rs 166,448 thousand and Rs 163,326 thousand for the years ended December 31, 2019 and 2018, respectively.

12. Intangible Assets, Continued

(3) Details of capitalized development costs as of December 31, 2019 are as follows.

(In thousands of won and in thousands of rupee)

	Project name		Korean won	Indian rupee	amortization period(*1)
Development costs	RV(*2) Power train and others	₩	193,173,708 Rs 28,845,657	11,902,398 1,777,325	1~4 years 1~4 years
Other intangible assets	RV(*3)	₩_	82,875,485 304,894,850 Rs	5,106,372 18,786,095	-

^(*1) If the amortization is initiated, the remaining amortization period is recorded. If the amortization is not started, it is marked with "-" only.

(4) Details of expenditures for research and developments for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean	won	_	Indian	rupee
	_	2019	2018	_	2019	2018
Capitalization of intangible assets	₩	70,952,644	118,354,956	Rs	4,371,747	7,292,441
Manufacturing costs		106,341,408	69,401,524		6,552,226	4,276,175
Selling and administrative expenses	_	12,291,122	13,882,448	_	757,317	855,367
	₩_	189,585,174	201,638,928	Rs	11,681,290	12,423,983

13. Lease

(1) Changes in right-of-use assets for the year ended December 31, 2019 are as follows:

		Beginning				Ending
(In thousands of won)		balance	Increase	Depreciation	Others	balance
Land and building	₩	2,111,692	194,148	(1,253,569)	(133,031)	919,240
Vehicle		5,177,133	305,371	(1,905,132)	(1,464)	3,575,908
Equipment		<u> </u>	1,542,742	(186,736)	<u> </u>	1,356,006
Total	₩_	7,288,825	2,042,261	(3,345,437)	(134,495)	5,851,154

		Beginning				Ending
(In thousands of rupee)	_	balance	Increase	Depreciation	Others	balance
Land and building	Rs	130,112	11,962	(77,239)	(8,195)	56,640
Vehicle		318,989	18,815	(117,385)	(90)	220,329
Equipment	<u>-</u>		95,056	(11,506)		83,550
Total	Rs_	449,101	125,833	(206, 130)	(8,285)	360,519

^(*2) It is a development project for vehicles under sale as of December 31, 2019.

^(*3) On-going development project for vehicles as of December 31, 2019 to respond to consumer needs and market conditions.

For the years ended December 31, 2019 and 2018

13. Lease, Continued

(2) Details of lease liabilities as of December 31, 2019 are as follows:

(In thousands of won)		Within a year	Over 1 year
Lease liabilities(*)	₩	6,128,903	3,863,317
(In thousands of rupee)		Within a year	Over 1 year
Lease liabilities(*)	Rs	377,632	238,038

^(*) The total amount of lease liabilities paid in the current term is $\frac{1}{2}$ 8,812,698 thousand (Rs 542,994 thousand) and interests expenses is $\frac{1}{2}$ 485,271 thousand (Rs 29,900 thousand).

(3) Expenses from lease contracts with low cost and short term contract during this year are as follows:

(In thousands of won)	Exemption of lease recognition		Expenses
Office equipment	Low cost	₩	1,056,554
and others	Short term		570,694
Building	Short term		30,700
(In thousands of rupee)	Exemption of lease recognition		Expenses
Office equipment	Low cost	Rs	65,100
and others	Short term		35,163
Building	Short term		1,892

⁽⁴⁾ The following table sets out a maturity analysis of lease receivables, showing the undiscounted lease payments to be received after the reporting date. Under K-IFRS No 1017, the company did not have any finance leases as a lessor.

		2019			
	_	Korean won	-	Indian rupee	
Less than 1 year	₩	2,841,843	Rs	175,100	
1 year to 2 years		1,340,272		82,581	
Lease to be received		4,182,115		257,681	
Unrealized interests		(144,605)		(8,910)	
Net investment in the lease		4,037,510		248,771	
Interests from sublease for this year		196,545		12,110	

For the years ended December 31, 2019 and 2018

14. Borrowings

(1) Details of short-term borrowings as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

			_	Korean	won	_	Indian	rupee
Creditor	Туре	Interest rate (%)		2019	2018	_	2019	2018
Korea Development	Operating fund	CD+2.10	₩	20,000,000	30,000,000 R	ls	1,232,300	1,848,450
Bank	Facility fund(*)	CD+1.57		70,000,000	-		4,313,050	-
Woori Bank	General loan(*)	CD+2.00		17,500,000	-		1,078,263	-
Kookmin Bank	Facility fund(*)	CD+2.00		10,000,000	5,000,000		616,150	308,075
BNP PARIBAS	Overdraft	CD+2.00		30,000,000	-		1,848,450	-
BOA and others	Banker's usance	0.26 ~0.82	-	106,606,448	143,227,545	_	6,568,556	8,824,965
			₩	254,106,448	178,227,545 R	ls_	15,656,769	10,981,490

^(*) Current portion of long-term borrowing

(2) Details of long-term borrowing as of December 31, 2019 and 2018 are as follows:

			Korean	won	Indian	rupee
Creditor	Туре	Interest rate(%)	2019	2018	2019	2018
Korea Development Bank	Facility fund	CD+1.57~ 1.60	₩ 170,000,000	70,000,000 Rs	10,474,550	4,313,050
Woori Bank	General Ioan	CD+2.00	35,000,000	-	2,156,525	-
Kookmin Bank	Facility fund	CD+2.00	11,250,000	10,000,000	693,169	616,150
JP Morgan	Facility fund	CD+2.00	40,000,000	-	2,464,600	-
Less: Current portion			(97,500,000)	(5,000,000)	(6,007,463)	(308,075)
			₩ <u>158,750,000</u>	75,000,000 Rs	9,781,381	4,621,125

14. Borrowings, Continued

(3) Details of pledged assets as collateral for borrowings as of December 31, 2019 are as follows:

(In thousands of won)

Creditor	Pledged assets		Borrowings amount	Maximum credit amount
Korea Development	Land, buildings, structures and			
Bank	machinery	₩	190,000,000	300,000,000
Kookmin Bank	Land and buildings		11,250,000	24,000,000
Woori Bank	Land and buildings		35,000,000	48,000,000
		₩	236,250,000	372,000,000
(In thousands of rupee)			Borrowings	Maximum credit
Creditor	Pledged assets	<u> </u>	amount	amount
Korea Development	Land, buildings, structures and			
Bank	machinery	Rs	11,706,850	18,484,500
Kookmin Bank	Land and buildings		693,169	1,478,760
Woori Bank	Land and buildings	_	2,156,525	2,957,520
		Rs	14,556,544	22,920,780

15. Other Financial Liabilities

Details of other financial liabilities as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

	_	Korean	won	Indian rupee		
	_	2019	2018	2019	2018	
Accrued expenses	₩	39,427,815	38,035,515 Rs	2,429,344	2,343,559	

16. Provision of Warranty for sale

The Company generally provides warranty for each product sold and accrues warranty expense at the time of sale based on the history of actual claims. Changes in provision of warranty for sale for the years ended December 31, 2019 and 2018 are as follows:

		Korean won		Indian i	rupee
	_	2019	2018	2019	2018
Beginning balance	₩	135,038,087	146,239,557 Rs	8,320,372	9,010,550
Increase		35,273,579	27,317,843	2,173,381	1,683,188
Decrease		(41,780,414)	(38,519,313)	(2,574,300)	(2,373,367)
Ending balance	₩	128,531,252	135,038,087 Rs	7,919,453	8,320,371
Current	₩	50,305,013	49,209,826 Rs	3,099,543	3,032,063
Non-current		78,226,239	85,828,261	4,819,910	5,288,308

For the years ended December 31, 2019 and 2018

17. Other Liabilities

Details of other liabilities as of December 31, 2019 and 2018 are as follows:

(In thousands of won)

		2019		20	18
		Current	Non-current	Current	Non-current
Advances from customers Deposits received Withholdings Unearned revenue	₩	3,734,946 580,505 17,435,070 3,784,720	- - - 15,862,475	3,798,708 525,166 22,531,153 6,054,312	- - - 11,257,510
	₩	25,535,241	15,862,475	32,909,339	11,257,510
(In thousands of rupee)		20 1	19	20	18
		Current	Non-current	Current	Non-current
Advances from customers Deposits received Withholdings Unearned revenue	Rs _	230,129 35,768 1,074,262 233,196	- - - 977,368	234,057 32,358 1,388,257 373,036	- - - 693,633
	Rs_	1,573,355	977,368	2,027,708	693,633

18. Employee Benefits

(1) Details of defined benefit liabilities as of December 31, 2019 and 2018 are as follows:

	_	Korean won		Indian rupee	
	_	2019	2018	2019	2018
Present value of defined benefit obligations Fair value of plan assets	₩_	357,109,529 (954,268)	330,195,117 Rs (1,013,651)	22,003,303 (58,797)	20,344,972 (62,456)
	₩_	356,155,261	329,181,466 Rs	21,944,506	20,282,516

For the years ended December 31, 2019 and 2018

18. Employee Benefits, Continued

(2) Changes in defined benefit liabilities for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won)	2019				
Details		PV of defined benefit obligation	Plan assets	Total	
Beginning balance	₩	330,195,117	(1,013,651)	329,181,466	
Current service cost		39,722,211	-	39,722,211	
Interest expense (income)		8,590,806	(26,318)	8,564,488	
Sub-total	-	378,508,134	(1,039,969)	377,468,165	
Re-measurement factors: Re-measurements of plan assets Loss (gain) from experience	-	-	13,869	13,869	
adjustments Loss (gain) from changes in		(15,322,662)	-	(15,322,662)	
financial assumptions Loss (gain) from changes in		12,785,519	-	12,785,519	
demographic assumptions		811,369	-	811,369	
Sub-total	-	(1,725,774)	13,869	(1,711,905)	
Benefit paid by plan		(71,832)	71,832	-	
Benefit paid directly	-	(19,600,999)		(19,600,999)	
Ending balance	₩_	357,109,529	(954,268)	356,155,261	

(In thousands of won)	2018				
Details		PV of defined benefit obligation	Plan assets	Total	
Beginning balance	₩	285,658,090	(1,094,967)	284,563,123	
Current service cost		36,320,832	-	36,320,832	
Interest expense (income)		8,892,349	(34,034)	8,858,315	
Sub-total	-	330,871,271	(1,129,001)	329,742,270	
Re-measurement factors: Re-measurements of plan assets Loss (gain) from experience adjustments		1,253,039	20,618	20,618	
Loss (gain) from changes in financial assumptions Loss (gain) from changes in		18,608,552	-	18,608,552	
demographic assumptions		158,296	-	158,296	
Sub-total	-	20,019,887	20,618	20,040,505	
Benefit paid by plan Benefit paid directly	-	(94,732) (20,601,309)	94,732	(20,601,309)	
Ending balance	₩	330,195,117	(1,013,651)	329,181,466	

For the years ended December 31, 2019 and 2018

18. Employee Benefits, Continued

(2) Changes in defined benefit obligation for the years ended December 31, 2019 and 2018 are as follows, continued:

(In thousands of rupee)	2019				
Details		PV of defined benefit obligation	Plan assets	Total	
Beginning balance Current service cost Interest expense (income) Sub-total	Rs -	20,344,972 2,447,484 529,323 23,321,779	(62,456) - (1,622) (64,078)	20,282,516 2,447,484 527,701 23,257,701	
Re-measurement factors: Re-measurements of plan assets Loss (gain) from experience adjustments		(944,107)	855	855 (944,107)	
Loss (gain) from changes in financial assumptions Loss (gain) from changes in		787,780	-	787,780	
demographic assumptions Sub-total	-	49,993 (106,334)		49,993 (105,479)	
Benefit paid by plan Benefit paid directly	_	(4,426) (1,207,716)	4,426	(1,207,716)	
Ending balance	Rs_	22,003,303	(58,797)	21,944,506	

(In thousands of rupee)	2018				
Details		PV of defined benefit obligation	Plan assets	Total	
Beginning balance	Rs	17,600,823	(67,466)	17,533,357	
Current service cost		2,237,908	-	2,237,908	
Interest expense (income)		547,902	(2,097)	545,805	
Sub-total	-	20,386,633	(69,563)	20,317,070	
Re-measurement factors: Re-measurements of plan assets Loss (gain) from experience	-	-	1,270	1,270	
adjustments Loss (gain) from changes in		77,206	-	77,206	
financial assumptions Loss (gain) from changes in		1,146,567	-	1,146,567	
demographic assumptions	_	9,753	<u> </u>	9,753	
Sub-total		1,233,526	1,270	1,234,796	
Benefit paid by plan		(5,837)	5,837	-	
Benefit paid directly	-	(1,269,350)		(1,269,350)	
Ending balance	Rs	20,344,972	(62,456)	20,282,516	

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For the years ended December 31, 2019 and 2018

18. Employee Benefits, Continued

(3) The components of plan assets as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian rupee	
		2019	2018	2019	2018
Insurance contracts	₩	954,268	1,013,651 Rs	58,797	62,456

(4) Actuarial assumptions used related to plans as of December 31, 2019 and 2018 are as follows:

	2019	2018
Discount rate (%)	2.30	2.63
Rate of future salary growth (%)	3.96	3.95

The discount rate is the market yield at the end of the reporting year on high quality corporate bonds (AA+) that have maturity which approximates the terms of the Company's obligations and that are denominated in the same currency in which the benefits are expected to be paid. The discount rate for the calculation of the present value of defined benefit obligations is also used as expected return on plan assets.

Weighted average duration of defined benefit obligation as of December 31, 2019 and 2018 are 11.1 years and 11.6 years, respectively.

(5) The sensitivity of the defined benefit obligations to key assumptions as of December 31, 2019 is as follows:

..

(In thousands of won and in thousands of rupee)

	_	Korear	n won	Indian rupee		
	_	1% increase	1% decrease	1% increase	1% decrease	
Discount rate Future salary growth	₩	(34,976,590) 38,098,453	40,541,126 Rs (33,573,782)	(2,155,083) 2,347,436	2,497,941 (2,068,649)	

Sensitivity analysis does not take into account the variance of all expected cash flows, but it provides an approximation of the sensitivity to the assumptions used.

19. Commitments and Contingencies

Details of commitments and contingencies as of December 31, 2019 are as follows:

- (1) The Company carries product liability insurance for all products that it sells.
- (2) As of December 31, 2019, the Company has agreements with Korea Development Bank and others for various borrowings, trading finance and others with limit of \(\psi\) 423,250 million (Rs 26,079 million) and USD 245 million.
- (3) As of December 31, 2019, the Company has been provided with guarantees amounting to USD 896,649 by Standard Chartered Bank Korea Limited in connection with refunds for advance received and performing transactions.
- (4) As of December 31, 2019, 5 claims as a plaintiff were filled with the claim amount of ₩ 5,480 million (Rs 338 million) and 12 claims as a defendant were filled with the claims of ₩ 2,185 million (Rs 135 million). The provision amounting to ₩ 7,486 million (Rs 461 million) is recognized as other payable for the foregoing lawsuits and claims, since the amounts for potential loss can be estimated and management expect that it is probable that the Company will be required to incur an outflow.

20. Capital Stock

The Company's capital stock as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee, except for par value and share information)

	_	Korean	won	Indian rupee		
	_	2019	2018	2019	2018	
Number of shares authorized		3,000,000,000	3,000,000,000	3,000,000,000	3,000,000,000	
Shares outstanding		149,840,002	137,949,396	149,840,002	137,949,396	
Par value		5,000	5,000	308	308	
Capital stock	₩	749,200,010	689,746,980 Rs	46,161,959	42,498,760	

21. Other Capital Surplus

Details of other capital surplus as of December 31, 2019 and 2018 are as follows:

_	Korean won		Indian rupee	
_	2019	2018	2019	2018
Paid-up capital in excess of par value \\	3,169,615	12,916,273 Rs	195,296	795,836
Gain on capital reduction	74,061,697	74,061,697	4,563,311	4,563,311
Debt to be swapped for equity	931,508	931,508	57,395	57,395
₩_	78,162,820	87,909,478 Rs	4,816,002	5,416,542

For the years ended December 31, 2019 and 2018

22. Other Equity

(1) Details of the Company's other equity as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian rupee	
	_	2019	2018	2019	2018
Gains (losses) on valuation of					
derivatives	₩	-	103,000 Rs	-	6,347

(2) Changes in the Company's gains (losses) on valuation of derivatives for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian rupee	
	_	2019	2018	2019	2018
Beginning balance Gains on valuation of derivatives	₩	103,000	- Rs	6,347	-
Reclassified to net losses	_	(103,000)	103,000 	(6,347)	6,347
Ending balance	₩		103,000 Rs		6,347

23. Deficit

(1) Details of deficit as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

	Korear	Korean won		rupee
	2019	2018	2019	2018
Deficit	₩ (421,823,237)	(82,483,045) Rs	(25,990,639)	(5,082,193)

(2) Changes in retained earnings (deficit) for the years ended December 31, 2019 and 2018 are as follows:

		Korean won		Indian rupee	
		2019	2018	2019	2018
Beginning balance	₩	(82,483,045)	(45,232,442) Rs	(5,082,193)	(2,786,997)
Disposition of deficit		-	45,232,442	-	2,786,997
Loss for the year		(341,052,097)	(62,442,540)	(21,013,925)	(3,847,397)
Defined benefit plan re-measurement		1,711,905	(20,040,505)	105,479	(1,234,796)
Ending balance	₩	(421,823,237)	(82,483,045) Rs	(25,990,639)	(5,082,193)

For the years ended December 31, 2019 and 2018

23. Deficit, Continued

(3) Statements of disposition of accumulated deficits for the years ended December 31, 2019 and 2018 are as follows:

Date of Disposition for 2019: March 24, 2020 Date of Disposition for 2018: March 29, 2019

(In thousands of won)	-	2019	2018
Undisposed accumulated Deficits Balance at beginning of year Loss for the year Re-measurements of defined benefit liabilities Disposition of deficit	₩ - -	(82,483,045) (341,052,097) 1,711,905 (421,823,237)	(62,442,540) (20,040,505) (82,483,045)
Undisposed accumulated deficits to be carried over to subsequent year	₩_	(421,823,237)	(82,483,045)
(In thousands of rupee)	_	2019	2018
Undisposed accumulated Deficits Balance at beginning of year Loss for the year Re-measurements of defined benefit liabilities Disposition of deficit	Rs -	(5,082,193) (21,013,925) 105,479 (25,990,639)	(3,847,397) (1,234,796) (5,082,193)
Undisposed accumulated deficits to be carried over to subsequent year	Rs	(25,990,639)	(5,082,193)

For the years ended December 31, 2019 and 2018

24. Income Tax Expense

- (1) Income tax expense and deferred income tax assets related to the temporary differences, deficit carried forward and tax credit carried forward are not recognized as of December 31, 2019.
- (2) Changes in temporary differences and deferred income tax assets for the years ended December 31, 2019 and 2018, are as follows:

(In thousands of won)		2019		
	Beginning			Ending
	balance	Decrease	Increase	balance
Allowance for doubtful accounts \	2,415,106	2,408,106	2,939,429	2,946,429
Government grants	5,039,624	1,390,745	825,695	4,474,574
Provision for warranties	135,038,086	135,038,087	128,531,253	128,531,252
Defined benefit liabilities	331,410,425	19,522,238	46,323,923	358,212,110
Impairment loss of property, plant				
and equipment	84,669,290	26,818,376	38,805,791	96,656,705
Intangible assets	19,157,125	6,794,782	748,689	13,111,032
Depreciation	16,761,726	2,166,172	7,634,434	22,229,988
Other payables	22,079,874	22,079,874	27,238,937	27,238,937
Accrued expenses	37,502,860	37,502,860	38,787,848	38,787,848
Investment in subsidiaries	5,907,287	-	4,067,594	9,974,881
Derivatives	(891,319)	(891,319)	-	-
Other long-term employee benefit	17,039,484	17,039,484	16,253,294	16,253,294
Trade receivable	2,904,346	-	1,073,928	3,978,274
Other receivable	3,029,805	3,029,805	297,495	297,495
Land	(260,713,528)	(58,216)	-	(260,655,312)
Impairment loss of Intangible				
assets	=	-	17,763,809	17,763,809
Sub-lease receivables	-	-	(4,037,510)	(4,037,510)
Right-of-use assets	-	-	(5,851,154)	(5,851,154)
Lease liabilities	-	-	9,992,220	9,992,220
Others	4,892,990	4,341,933	7,945,369	8,496,426
Deficit carried over on tax	1,155,686,877	569,599,726	269,976,417	856,063,568
Sub-total	1,581,930,058	846,782,653	609,317,461	1,344,464,866
Not recognized as deferred tax assets	1,581,930,058	846,782,653	609,317,461	1,344,464,866
Recognized as deferred tax assets	-	-	-	-
Statutory tax rate	22%			22%
Deferred tax assets resulting from				
temporary differences or deficits				
carried over on tax		-		
Tax credit carry-forwards:	22,456,665	2,023,360	-	20,433,305
Not recognized as deferred tax assets	22,456,665	2,023,360	-	20,433,305
Recognized as deferred tax assets	-	-	-	-
Deferred tax assets resulting from				
tax credit carry-forwards				
Total deferred income tax W				

The Company does not recognize deferred tax assets since it could not estimate income tax decease effect by deducting temporary differences, deficits carried over on tax and tax credit carry-forwards from expected future taxable income.

For the years ended December 31, 2019 and 2018

24. Income Tax Expense, Continued

(2) Changes in temporary differences and deferred income tax assets for the years ended December 31, 2019 and 2018, are as follows, continued:

(In thousands of won)	2018				
	Beginning balance	Decrease	Increase	Ending balance	
All () 1 1 1 1 1 1 1 1 1	4 507007	1 01 1 007	0.400.700	0.445.400	
Allowance for doubtful accounts ₩	1,597,027	1,614,687	2,432,766	2,415,106	
Government grants	3,025,471	2,297,962	4,312,115	5,039,624	
Provision for warranties	146,239,557	146,239,557	135,038,086	135,038,086	
Defined benefit liabilities	287,112,258	20,550,333	64,848,500	331,410,425	
Impairment loss of property, plant	04 000 000	0.050.504	00.000	04.000.000	
and equipment	91,298,992	6,653,531	23,829	84,669,290	
Intangible assets	23,602,904	6,590,801	2,145,022	19,157,125	
Depreciation	13,534,126	1,031,848	4,259,448	16,761,726	
Other payables	26,556,965	28,265,201	23,788,110	22,079,874	
Accrued expenses	36,769,573	36,769,573	37,502,860	37,502,860	
Investment in subsidiaries	5,148,212	-	759,075	5,907,287	
Derivatives	409,259	409,259	(891,319)	(891,319)	
Other long-term employee benefit	16,328,928	16,328,928	17,039,484	17,039,484	
Trade receivable	2,458,305	-	446,041	2,904,346	
Other receivable	2,007,258	37,313	1,059,860	3,029,805	
Land	(260,713,528)	-	-	(260,713,528)	
Others	838,816	(100,987)	3,953,187	4,892,990	
Deficit carried over on tax	1,108,462,181		47,224,696	1,155,686,877	
Sub-total	1,504,676,304	266,688,006	343,941,760	1,581,930,058	
Not recognized as deferred tax assets	1,504,676,304	266,688,006	343,941,760	1,581,930,058	
Recognized as deferred tax assets	-	-	-	-	
Statutory tax rate	22%			22%	
Deferred tax assets resulting from					
temporary differences or deficits					
carried over on tax	_				
Tax credit carry-forwards:	3,223,052	-	19,233,613	22,456,665	
Not recognized as deferred tax assets	3,223,052	-	19,233,613	22,456,665	
Recognized as deferred tax assets	-	=	-	-	
Deferred tax assets resulting from					
tax credit carry-forwards	=	=	=	=	
Total deferred income tax ₩					

For the years ended December 31, 2019 and 2018

24. Income Tax Expense, Continued

(2) Changes in temporary differences and deferred income tax assets for the years ended December 31, 2019 and 2018, are as follows, continued:

(In thousands of rupee)	2019					
<u>-</u>	Beginning			Ending		
_	balance	Decrease	Increase	balance		
Allowance for doubtful accounts Rs	148,807	148,375	181,113	181,545		
Government grants	310,516	85,691	50,875	275,700		
Provision for warranties	8,320,372	8,320,372	7,919,453	7,919,453		
Defined benefit liabilities	20,419,853	1,202,863	2,854,249	22,071,239		
Loss on revaluation of property,	20,110,000	1,202,000	2,001,210	22,071,200		
plant and equipment	5,216,898	1,652,414	2,391,019	5,955,503		
Intangible assets	1,180,366	418,660	46,130	807,836		
Depreciation	1,032,774	133,469	470,396	1,369,701		
Other payables	1,360,451	1,360,451	1,678,327	1,678,327		
Accrued expenses	2,310,739	2,310,739	2,389,913	2,389,913		
Investment in subsidiaries	363,977	· · · -	250,625	614,602		
Derivatives	(54,919)	(54,919)	-	-		
Other long-term employee benefit	1,049,888	1,049,888	1,001,447	1,001,447		
Trade receivable	178,951	-	66,170	245,121		
Other receivable	186,681	186,681	18,330	18,330		
Land	(16,063,864)	(3,587)	-	(16,060,277)		
Impairment loss of Intangible						
assets	-	-	1,094,517	1,094,517		
Sub-lease receivables	-	-	(248,771)	(248,771)		
Right-of-use assets	-	-	(360,519)	(360,519)		
Lease liabilities	=	-	615,671	615,671		
Others	301,482	267,528	489,554	523,508		
Deficit carried over on tax	71,207,647	35,095,887	16,634,597	52,746,357		
Sub-total	97,470,619	52,174,512	37,543,096	82,839,203		
Not recognized as deferred tax assets	97,470,619	52,174,512	37,543,096	82,839,203		
Recognized as deferred tax assets	-	-	-	-		
Statutory tax rate	22%			22%		
Deferred tax assets resulting from						
temporary differences		-	 .			
Tax credit carry-forwards:	1,383,667	124,669	-	1,258,998		
Not recognized as deferred tax assets	1,383,667	124,669	-	1,258,998		
Recognized as deferred tax assets	-	-	-	-		
Deferred tax assets resulting from						
tax credit carry-forwards		-				
Total deferred income tax Rs_		- -				

The Company does not recognize deferred tax assets since it could not estimate income tax decease effect by deducting temporary differences, deficits carried over on tax and tax credit carry-forwards from expected future taxable income.

24. Income Tax Expense, Continued

(2) Changes in temporary differences and deferred income tax assets for the years ended December 31, 2019 and 2018, are as follows, continued:

(In thousands of rupee)		2018		
•	Beginning			Ending
-	balance	Decrease	Increase	balance
Allowance for doubtful accounts Rs	98,401	99,489	149,895	148,807
Government grants	186,414	141,589	265,691	310,516
Provision for warranties	9,010,550	9,010,550	8,320,372	8,320,372
Defined benefit liabilities	17,690,422	1,266,209	3,995,640	20,419,853
Loss on revaluation of property,	17,000,122	1,200,200	0,000,010	20,110,000
plant and equipment	5,625,387	409,957	1,468	5,216,898
Intangible assets	1,454,293	406,092	132,165	1,180,366
Depreciation	833,905	63,577	262,446	1,032,774
Other payables	1,636,307	1,741,560	1,465,704	1,360,451
Accrued expenses	2,265,557	2,265,557	2,310,739	2,310,739
Investment in subsidiaries	317,207	-//	46,770	363,977
Derivatives	25,216	25,216	(54,919)	(54,919)
Other long-term employee benefit	1,006,107	1,006,107	1,049,888	1,049,888
Trade receivable	151,468	-	27,483	178,951
Other receivable	123,677	2,299	65,303	186,681
Land	(16,063,864)	-	-	(16,063,864)
Others	51,684	(6,222)	243,576	301,482
Deficit carried over on tax	68,297,897	_	2,909,750	71,207,647
Sub-total	92,710,628	16,431,980	21,191,971	97,470,619
Not recognized as deferred tax assets	92,710,628	16,431,980	21,191,971	97,470,619
Recognized as deferred tax assets	-	-	-	-
Statutory tax rate	22%			22%
Deferred tax assets resulting from				
temporary differences Tax credit carry-forwards:				1,383,667
Not recognized as deferred tax assets	198,588	-	1,185,079	1,383,667
Recognized as deferred tax assets	130,000	-	1,165,079	1,363,007
Deferred tax assets resulting from	-	-	_	-
tax credit carry-forwards	_	_	_	_
Total deferred income tax Rs	<u> </u>			<u>-</u>

⁽³⁾ Details of information that the expected expiration of tax losses and deferred tax credits which are not recognized as deferred tax assets as of December 31, 2019 are as follows:

	_	Koreai	n won	Indian rupee		
	_	Deficit carried Tax credit over on tax carry-forwards		Deficit carried over on tax	Tax credit carry-forwards	
0 ~ 1 Year	₩	162,489,141	9,108,635 Rs	10,011,768	561,229	
1 ~ 5 Years		372,688,764	11,324,670	22,963,218	697,770	
5 ~ 10 Years	_	320,885,663	<u>-</u>	19,771,370		
	₩	856,063,568	20,433,305 Rs	52,746,356	1,258,999	

25. Nature of Expenses

Details of nature of expenses for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

	_	Koreaı	n won	Indian rupee		
	-	2019	2018	2019	2018	
Changes in inventories Raw materials consumed and	₩	9,234,761	(12,410,465) Rs	569,000	(764,671)	
purchase of merchandise		2,546,684,966	2,543,994,969	156,913,994	156,748,250	
Employee benefits		546,463,649	541,611,494	33,670,358	33,371,392	
Depreciation		164,896,521	141,732,852	10,160,099	8,732,871	
Amortization		97,161,343	70,581,045	5,986,596	4,348,851	
Others	_	537,019,223	482,317,185	33,088,440	29,717,973	
	₩_	3,901,460,463	3,767,827,080 Rs	240,388,487	232,154,666	

Total expenses are equal to the sum of cost of sales and selling, general and administrative expenses.

26. Derivatives

The Company enters into derivative financial instruments to manage its exposure to foreign exchange rate risk by foreign exchange forward contracts.

Derivatives are initially recognized at fair value at the date the derivative contract is entered into and are subsequently re-measured to their fair value at the end of each reporting period. The resulting gain or loss is recognized in profit or loss immediately, unless the derivative is designated and effective as a hedging instrument; in which case the timing of the recognition in profit or loss depends on the nature of the hedge relationship.

27. Selling, General and Administrative Expenses

(1) Details of selling expenses for the years ended December 31, 2019 and 2018 are as follows:

	_	Korear	n won	Indian rupee	
	_	2019	2018	2019	2018
Warranty expenses	₩	55,490,404	49,420,657 Rs	3,419,041	3,045,054
Commissions		241,034,691	235,656,996	14,851,352	14,520,006
Advertising		16,119,230	16,282,956	993,186	1,003,274
Export expenses		9,947,700	9,247,333	612,928	569,774
Others	_	26,481,533	23,225,325	1,631,660	1,431,029
	₩_	349,073,558	333,833,267 Rs	21,508,167	20,569,137

27. Selling, General and Administrative Expenses, Continued

(2) Details of general and administrative expenses for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian	rupee
	=	2019	2018	2019	2018
Salaries	₩	53,192,233	52,306,346 Rs	3,277,439	3,222,856
Retirement benefit costs		6,109,388	5,912,583	376,430	364,304
Employee welfare		13,262,211	12,793,435	817,151	788,267
Rent expense		10,027,439	12,121,083	617,841	746,841
Service fees		26,701,212	36,786,353	1,645,195	2,266,591
Depreciation		29,245,367	15,498,415	1,801,953	954,935
R&D expenses		12,291,122	13,882,448	757,317	855,367
Amortization		3,989,404	4,129,695	245,807	254,451
(Reversal of) bad debt expense		208,505	(2,416)	12,847	(149)
Others	_	33,828,693	32,654,833	2,084,357	2,012,027
	₩_	188,855,574	186,082,775 Rs	11,636,337	11,465,490

28. Other Income and Expenses

(1) Details of other income for the years ended December 31, 2019 and 2018 are as follows: (In thousands of won and in thousands of rupee)

	Korea	n won	Indian rupee		
	2019	2018	2019	2018	
Foreign exchange transaction gain \	<i></i> 6,089,248	5,772,244 Rs	375,189	355,657	
Foreign exchange translation gain	428,256	269,394	26,387	16,599	
Gain on disposal of property, plant and					
equipment	1,122,423	243,229	69,158	14,987	
Others	9,894,068	4,916,220	609,623	302,912	
h	<i> 1</i> 7,533,995	11,201,087 Rs	1,080,357	690,155	

(2) Details of other expenses for the years ended December 31, 2019 and 2018 are as follows: (In thousands of won and in thousands of rupee)

,		Korean	won	Indian rupee		
		2019	2018	2019	2018	
Foreign exchange transaction loss	₩	5,668,952	5,878,888 Rs	349,292	362,228	
Foreign exchange translation loss		515,176	601,157	31,743	37,040	
Loss on disposal of property, plant						
and equipment		835,535	522,078	51,482	32,168	
Loss on disposal of trade receivables		83,386	73,131	5,138	4,506	
Impairment loss on investments in						
subsidiaries		4,067,594	759,076	250,625	46,770	
Impairment loss on PP&E		38,805,791	-	2,391,019	-	
Impairment loss on Intangible		18,112,058	1,076,431	1,115,974	66,325	
Others		7,943,958	2,784,735	489,467	171,581	
	₩_	76,032,450	11,695,496 Rs	4,684,740	720,618	

For the years ended December 31, 2019 and 2018

29. Finance Income and Costs

(1) Details of finance income for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korear	n won	Indian rupee	
		2019	2018	2019	2018
Interest income	₩	3,722,295	2,469,118 Rs	229,349	152,135
Dividend income		11,000	11,000	678	678
Foreign exchange transaction gain		4,511,937	3,951,968	278,003	243,501
Foreign exchange translation gain		2,901,720	897,164	178,790	55,279
Realized gain of financial derivatives		499,898	4,835,727	30,801	297,953
Unrealized gain of financial derivatives			806,894		49,716
	₩_	11,646,850	12,971,871 Rs	717,621	799,262

(2) Details of finance costs for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korea	n won	Indian rupee	
		2019	2018	2019	2018
Interest expense	₩	5,001,773	950,013 Rs	308,184	58,535
Foreign exchange transaction loss		13,733,596	9,321,726	846,195	574,358
Foreign exchange translation loss		51,385	1,014,664	3,166	62,519
Realized loss of financial derivatives		214,649	1,690,833	13,226	104,181
Unrealized loss of financial derivatives	_	<u> </u>	18,575	<u> </u>	1,144
	₩_	19,001,403	12,995,811 Rs	1,170,771	800,737

(3) Details of the Company's financial net profit or loss for the years ended December 31, 2019 and 2018 are as follows:

		Korean won		Indian rupee	
		2019	2018	2019	2018
Financial assets/ liabilities					
at amortized cost	₩	(7,650,802)	(3,968,153) Rs	(471,404)	(244,498)
Non-current financial assets		11,000	11,000	678	678
Derivatives financial assets (liabilities)		285,249	3,933,213	17,576	242,345
	₩	(7,354,553)	(23,940) Rs	(453,150)	(1,475)

For the years ended December 31, 2019 and 2018

30. Losses per Share

(1) Basic losses per share for the years ended December 31, 2019 and 2018 are calculated as follows:

(In thousands of won and in thousands of rupee, except per share information)

	Korear	n won	Indian rupee			
	2019	2018	2019	2018		
Loss for the year Loss contributed to common	₩ (341,052,097)	(62,442,540) Rs	(21,013,925)	(3,847,397)		
stocks Weighted average number of	(341,052,097)	(62,442,540)	(21,013,925)	(3,847,397)		
common shares Basic earnings (losses) per	149,096,397	138,983,372	149,096,397	138,983,372		
share(*)	(2,287)	(449)	(141)	(28)		

^(*) Diluted losses per share are not calculated for the years ended December 31, 2019 and 2018, because there are no dilutive shares as of December 31, 2019 and 2018.

(2) Weighted average number of common shares outstanding for the years ended December 31, 2019 and 2018 are calculated as follows:

(In shares)

	2019								
		Common shares		Common shares					
	Outstanding period	issued	Weighted-average	outstanding					
Beginning	2019-01-01~2019-12-31	137,949,396	365/365	137,949,396					
Issuing(*)	2019-01-01~2019-12-31	1,033,976	365/365	1,033,976					
Issuing	2019-01-26~2019-12-31	10,856,630	340/365	10,113,025					
			<u>-</u>	149,096,397					
			=						

(In shares)

	2018								
		Common shares		Common shares					
	Outstanding period	issued	Weighted-average	outstanding					
Beginning	2018-01-01~2018-12-31	137,949,396	365/365	137,949,396					
Issuing(*)	2018-01-01~2018-12-31	1,033,976	365/365	1,033,976					
			- -	138,983,372					

^(*) In accordance with K-IFRS No.1033, when the rights offering is less than fair value, the shares issued below the fair value are considered as free shares and the number of shares outstanding is retroactively calculated.

For the years ended December 31, 2019 and 2018

31. Cash Flows

(1) Details of cash flows from operating activities for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korear	n won	Indian rupee		
		2019	2018	2019	2018	
Loss for the year	₩	(341,052,097)	(62,442,540)	Rs (21,013,925)	(3,847,397)	
Adjustments for:						
Retirement benefit costs		48,286,699	45,179,147	2,975,185	2,783,713	
Depreciation		164,896,521	141,726,745	10,160,099	8,732,493	
Amortization		97,161,343	70,581,045	5,986,596	4,348,851	
Losses on disposal of trade receivables		83,386	73,131	5,138	4,506	
Impairment loss on investments in						
subsidiaries		4,067,594	759,076	250,625	46,770	
Foreign exchange translation gain and						
loss, net		(2,763,415)	449,263	(170,268)	27,681	
Losses (Gains) on disposal of property,						
plant and equipment		(286,888)	278,849	(17,677)	17,181	
Interest expense and income, net		1,262,687	(1,519,105)	77,800	(93,600)	
Dividends income		(11,000)	(11,000)	(678)	(678)	
Unrealized gain and loss of financial			(=======		(
derivatives, net		-	(788,319)		(48,572)	
Losses on valuation of inventories		9,469,719	7,981,632	583,477	491,788	
Increase in provision of warranty for sale		36,187,758	27,317,843	2,229,709	1,683,189	
Impairment loss on Tangible assets		38,805,791	-	2,391,019	-	
Impairment loss on Intangible assets		18,112,058	1,076,441	1,115,974	66,325	
Others		9,038,556	613,317	556,912	37,792	
		424,310,809	293,718,065	26,143,911	18,097,439	
Changes in assets and liabilities						
Trade receivables		20,679,973	20,337,478	1,274,197	1,253,094	
Other receivables		1,927,410	(5,882)	118,757	(362)	
Inventories		363,456	(1,919,821)	22,394	(118,290)	
Trade payables		(57,619,618)	8,152,953	(3,550,233)	502,344	
Other payables		(15,924,456)	(26,601,104)	(981,185)	(1,639,027)	
Accrued expenses		1,284,988	733,287	79,175	45,181	
Usage of provision of warranty for sale		(41,780,414)	(38,519,313)	(2,574,300)	(2,373,367)	
Payment of retirement benefits		(19,600,999)	(20,601,309)	(1,207,716)	(1,269,350)	
Others		5,975,351	6,583,672	368,171	405,653	
		(104,694,309)	(51,840,039)	(6,450,740)	(3,194,124)	
Net cash provided by (used in) operating activities	₩	(21,435,597)	179,435,486	Rs (1,320,754)	11,055,918	

(2) Significant non-cash activities for the years ended December 31, 2019 and 2018 are as follows: (In thousands of won and in thousands of rupee)

	_	Korean	won	Indian rupee	
	_	2019	2018	2019	2018
Changes in other payables related to the acquisition of property, plant and					
equipment	₩	(19,150,021)	(6,189,253)	Rs (1,179,929)	(381,351)

For the years ended December 31, 2019 and 2018

31. Cash Flows, Continued

(3) Adjustment of liabilities from financing activities

Changes in liabilities from financial activities for the year ended December 31, 2019 is as follows:

(In thousands of won)	Beginning balance	Increase	Decrease	Liquidity	Others	Exchange rate effect	Ending balance
Banker's usance (*) ₩	143,227,545	-	(33,770,762)	-	-	(2,850,335)	106,606,448
Short-term borrowings	35,000,000	69,999,999	(63,749,999)	106,250,000	-	-	147,500,000
Long-term borrowings	75,000,000	190,000,000	-	(106,250,000)	-	-	158,750,000
Lease liabilities			(8,812,698)		18,804,918		9,992,220
₩	253,227,545	259,999,999	(106,333,459)	-	18,804,918	(2,850,335)	422,848,668

(In thousands of rupee)	Beginning balance	Increase	Decrease	Liquidity	Others	Exchange rate effect	Ending balance
Banker's usance (*) Rs Short-term borrowings Long-term borrowings Lease liabilities	8,824,965 2,156,525 4,621,125	4,313,050 11,706,850	(2,080,786) (3,927,956) - (542,994)	6,546,594 (6,546,594)	- - 1,158,664	(175,623) - - -	6,568,556 9,088,213 9,781,381 615,670
Rs	15,602,615	16,019,900	(6,551,736)		1,158,664	(175,623)	26,053,820

^(*) The changes in usance borrowings are presented by net amounts.

Changes in liabilities from financial activities for the year ended December 31, 2018 is as follows:

(/	n	thousands	ΟŤ	won)	

	_	Beginning balance	Increase	Decrease	Liquidity	Exchange rate effect	Ending balance
Banker's usance (*) Short-term borrowings Long-term borrowings	₩	121,340,987 42,500,000 70,000,000	21,769,058 - 10,000,000	(12,500,000)	5,000,000 (5,000,000)	117,500 - 	143,227,545 35,000,000 75,000,000
	₩_	233,840,987	31,769,058	(12,500,000)	<u>-</u>	117,500	253,227,545

(In thousands of rupee)

	_	Beginning balance	Increase	Decrease	Liquidity	Exchange rate effect	Ending balance
Banker's usance (*)	Rs	7,476,424	1,341,301	-	-	7,240	8,824,965
Short-term borrowings		2,618,638	-	(770,188)	308,075	-	2,156,525
Long-term borrowings	-	4,313,050	616,150	-	(308,075)		4,621,125
	Rs	14,408,112	1,957,451	(770,188)		7,240	15,602,615

^(*) The changes in usance borrowings are presented by net amounts.

For the years ended December 31, 2019 and 2018

32. Segment Information

- (1) The Company determined itself as a single reportable segment by considering the nature of goods and service as well as the characteristic of assets providing service. The Company has not disclosed operating income or loss, profit or loss before income taxes and total assets and liabilities by reportable segment.
- (2) Geographic sales information of the Company for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian	rupee
Sales region		2019	2018	2019	2018
Republic of Korea	₩	2,989,818,593	3,005,311,067 Rs	184,217,673	185,172,241
Europe		300,661,225	298,409,324	18,525,241	18,386,490
Asia Pacific		185,967,509	116,029,561	11,458,388	7,149,161
Others	_	149,814,047	286,152,937	9,230,793	17,631,315
	١٨/	0.000.001.074	2.70F.002.000 D-	222 422 005	220 220 207
	₩	3,020,201,374	3,705,902,889 Rs	223,432,095	228,339,207

Non-current assets are not separately disclosed since those are located in Korea. Main customer over 10% of sales is not disclosed since most sales are occurred through contract with individual customer and authorized foreign agencies.

(3) Information of sales of goods and service for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korear	n won	Indian ı	rupee
	_	2019	2018	2019	2018
Automobile Merchandise and parts Others	₩	3,136,404,463 386,814,363 103,042,548	3,246,435,024 Rs 358,222,080 101,245,785	193,249,561 23,833,567 6,348,967	200,029,094 22,071,853 6,238,260
	₩_	3,626,261,374	3,705,902,889 Rs	223,432,095	228,339,207

(4) Balance of Contracts as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian ru	ıpee
		2019	2018	2019	2018
Receivables from contracts					
with customers	₩	159,123,462	180,342,156 Rs	9,804,392	11,111,782
Contract liabilities		19,647,195	17,311,822	1,210,564	1,066,669

Contract liabilities in unearned revenue was occurred from contracts from customers that recognizing over time such as product warranty and transportation. In addition, at the end of 2018, $\frac{1}{2}$ 4,866,375 thousand (Rs 299,842 thousand) of contract liabilities were recognized as profit in the current period.

33. Transactions and Balances with Related Parties

(1) Details of parent and subsidiary relationships as of December 31, 2019 are as follows:

Relationship	Company	
Parent	Mahindra & Mahindra Ltd.	
	Ssangyong Australia Pty Ltd.	
Subsidiaries	Ssangyong Motor (Shanghai) Co., Ltd.	
	Ssangyong European Parts Center B.V.	
Joint venture	SY Auto Capital Co., Ltd.	

(2) Transactions with related parties for the years ended December 31, 2019 and 2018 are as follows:

(In thousands of won)

Relationship	Company	Description		2019	2018
Parent	Mahindra & Mahindra Ltd.	Sales Purchases Other expenses	₩	31,623,926 488,222 727,732	12,961,510 110,907 4,830,477
	Ssangyong European Parts Center B.V.	Sales		15,621,144	13,962,668
Subsidiaries	Ssangyong Australia Pty Ltd	Sales Other income		36,673,003 10,340	9,754,441 -
	Ssangyong Motor (Shanghai) Co.Ltd.	Other expenses		392,060	32,260
Joint venture	SY Auto Capital Co., Ltd.	Other income Other expenses		2,043,265 31,754,171	- 21,734,022
Others	Mahindra Vehicle Manufacturing Ltd. and others	Sales Other income Other expenses		41,398,196 5,276 1,783,736	29,196,388 - 3,132,055

(In thousands of rupee)

Relationship	Company	Description		2019	2018
		Sales	Rs	1,948,508	798,623
Parent	Mahindra & Mahindra Ltd.	Purchases		30,082	6,834
		Other expenses		44,839	297,630
	Ssangyong European Parts Center B.V.	Sales		962,497	860,310
Subsidiaries	Coopeyana Avatralia Dty I to	Sales		2,259,607	601,020
	Ssangyong Australia Pty Ltd	Other income		637	-
	Ssangyong Motor (Shanghai) Co.Ltd.	Other expenses		24,157	1,988
laint vantura	CV Auto Conital Co. Ltd	Other income		125,896	-
Joint venture	SY Auto Capital Co., Ltd.	Other expenses		1,956,533	1,339,142
Others	N A a b in also \ /a b i a la	Sales		2,550,750	1,798,935
	Mahindra Vehicle	Other income		325	-
	Manufacturing Ltd. and others	Other expenses		109,905	192,982

33. Transactions and Balances with Related Parties, Continued

(3) Account balances with related parties as of December 31, 2019 and 2018 are as follows:

(In thousands of won)

Relationship	Company	Description	2019	2018
		Trade receivables W	454,892	4,171,953
Parent	Mahindra & Mahindra Ltd.	Other receivables	50,954	30,314
raieiii	Mariiridia & Mariiridia Etd.	Trade payables	486,641	-
		Other payables	811,771	669,683
	Ssangyong European Parts Center	Trade receivables	14,013,743	13,451,565
	B.V.	Other payables	22,867	43,002
Subsidiaries	Ssangyong Australia Pty Ltd.	Trade receivables	25,253,968	9,621,128
Subsidiaries	Ssarigyorig Australia Fty Ltu.	Other payables	6,631	86,650
	Ssangyong Motor (Shanghai) Co.Ltd.	Other receivables	413,275	405,844
	Ssarigyorig Motor (Sriarigilar) Co.Etu.	Other payables	91,077	79,755
Joint venture	SY Auto Capital Co., Ltd.	Other payables	-	242,805
Others	Mahindra Vehicle	Trade receivables	208,034	5,405,701
Ottlets	Manufacturing Ltd. and others	Other payables	2,646,646	2,556,284

(In thousands of rupee)

Relationship	Company	Description	2019	2018
		Trade receivables Rs	28,028	257,055
Parent	Mahindra & Mahindra Ltd.	Other receivables	3,140	1,868
raieiii	Mariiridia & Mariiridia Etd.	Trade payables	29,984	-
		Other payables	50,017	41,263
	Ssangyong European Parts Center	Trade receivables	863,457	828,818
	B.V.	Other payables	1,409	2,650
Subsidiaries	Ssangyong Australia Pty Ltd.	Trade receivables	1,556,023	592,806
Subsidiaries	Ssangyong Australia Fty Ltd.	Other payables	409	5,339
	Coopeyana Matar (Changhai) Colltd	Other receivables	25,464	25,006
	Ssangyong Motor (Shanghai) Co.Ltd.	Other payables	5,612	4,914
Joint venture	SY Auto Capital Co., Ltd.	Other payables	-	14,960
Others	Mahindra Vehicle	Trade receivables	12,818	333,072
Others	Manufacturing Ltd. and others	Other payables	163,073	157,505

Allowance for receivables from related parties were $\frac{1}{2}$ 594,752 thousand (Rs 36,646 thousand) as of December 31, 2019 and $\frac{1}{2}$ 405,844 thousand (Rs 25,006 thousand) recognized as of December 31, 2018.

(4) Capital transactions with related parties for the years ended December 31, 2019 and 2018 are as follows:

	<u> </u>	Korean won		Indian rupee	
	_	2019	2018	2019	2018
Parent	Mahindra & Mahindra Ltd. \ W Ssangyong	49,706,372	- Rs	3,062,659	-
Subsidiaries	Australia Pty Ltd.	1,116,761	2,950,833	68,809	181,816

For the years ended December 31, 2019 and 2018

33. Transactions and Balances with Related Parties, Continued

(5) Executive compensation of the Company for the years ended December 31, 2019 and 2018, are as follows:

(In thousands of won and in thousands of rupee)

		Korean won		Indian rupee	
		2019	2018	2019	2018
Short-term employee benefits	₩	7,232,091	6,939,709 Rs	445,605	427,590
Retirement benefits		545,887	527,600	33,635	32,508

34. Financial Instruments

(1) Capital risk management

The Company manages capital risk in order to maximize shareholders' profit by maintaining sound or optimal capital structure through monitoring of financial ratios, such as debt-to-equity ratio on a monthly basis and implements capital structure improvement plan when necessary.

The Company uses debt ratio as a capital management index and calculates the ratio as total liabilities divided by total equity on financial statements. The Company is not subject to externally enforced capital regulation.

Debt-to-equity ratio as of December 31, 2019 and 2018 are as follows:

(In thousands of won and in thousands of rupee)

	_	Korean won		Indian rupee	
	_	2019	2018	2019	2018
Debt (A)	₩	, - , ,	1,510,786,741 Rs	99,280,583	93,087,125
Equity (B) Debt-to-equity ratio (A/B)		405,539,593 397.32%	695,276,413 217.29%	24,987,322 397.32%	42,839,456 217.29%

(2) Details of financial assets and liabilities by category as of December 31, 2019 and 2018 are as follows:

1) Financial assets

(In thousands of won) 2019 Amortised Measured at **FVTPL** Fair value cost Total 119,130,707 119,130,707 Cash and cash equivalents 119,130,707 Long-term financial instruments 4,000 4,000 4,000 Trade and other receivables 212,482,093 212,482,093 212,482,093 Non-current financial assets 560,000 560,000 560,000 331,616,800 560,000 332,176,800 332,176,800

34. Financial Instruments, Continued

- (2) Details of financial assets and liabilities by category as of December 31, 2019 and 2018 are as follows, continued:
 - 1) Financial assets, continued

(In thousands of won)	_	201			18			
		Amortised cost	Measured at FVTPL	Derivatives cash flow hedge	Total	Fair value		
Cash and cash equivalents Long-term financial	₩	150,953,423	-	-	150,953,423	150,953,423		
instruments		4,000	-	-	4,000	4,000		
Trade and other receivables Non-current		228,980,147	-	-	228,980,147	228,980,147		
financial assets Derivative assets	_	- 	560,000 806,894	- 84,425	560,000 891,319	560,000 891,319		
	₩_	379,937,570	1,366,894	84,425	381,388,889	381,388,889		
(In thousands of rupee)	-			2019				
	_	Amortised cost	Measured FVTPL		Total	Fair value		
Cash and cash equivalents Long-term financial	Rs	7,340,23	38	-	7,340,238	7,340,238		
instruments Trade and other		24	46	-	246	246		
receivables		13,092,08	34	-	13,092,084	13,092,084		
Non-current financial assets	-		<u>-</u>	34,504	34,504	34,504		
	Rs	20,432,56	68	34,504	20,467,072	20,467,072		
(In thousands of rupee)	_			2018				
	-	Amortised cost	Measured at FVTPL	Derivatives cash flow hedge	Total	Fair value		
Cash and cash equivalents Long-term financial	Rs	9,300,995	-	-	9,300,995	9,300,995		
instruments		246	-	-	246	246		
Trade and other receivables Non-current		14,108,612	-	-	14,108,612	14,108,612		
financial assets Derivative assets	_	- -	34,504 49,717	- 5,202	34,504 54,919	34,504 54,919		
	Rs_	23,409,853	84,221	5,202	23,499,276	23,499,276		

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

(2) Details of financial assets and liabilities by category as of December 31, 2019 and 2018 are as follows, continued:

2) Financial liabilities

(In thousands of won)			2019		
	-	Financial liability measured at amortized cost	Financial liabilities at FVTPL	Total	Fair value
Trade and other payables Borrowings Lease liabilities	₩	597,614,144 412,856,448 9,992,220	- - -	597,614,144 412,856,448 9,992,220	597,614,144 412,856,448 9,992,220
	₩_	1,020,462,812		1,020,462,812	1,020,462,812
(In thousands of won)			2018		
	- -	Financial liability measured at amortized cost	Financial liabilities at FVTPL	Total	Fair value
Trade and other payables Borrowings	₩	691,768,504 253,227,545	- -	691,768,504 253,227,545	691,768,504 253,227,545
	₩	944,996,049		944,996,049	944,996,049
(In thousands of rupee)			2019		
	- -	Financial liability measured at amortized cost	Financial liabilities at FVTPL	Total	Fair value
Trade and other payables Borrowings Lease liabilities	Rs	36,821,995 25,438,150 615,670		36,821,995 25,438,150 615,670	36,821,995 25,438,150 615,670
	Rs	62,875,815	-	62,875,815	62,875,815
(In thousands of rupee)			2018		
		Financial liability measured at amortized cost	Financial liabilities at FVTPL	Total	Fair value
Trade and other payables Borrowings	Rs	42,623,316 15,602,615	-	42,623,316 15,602,615	
	Rs	58,225,931		58,225,931	58,225,931

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

(3) Financial risk management

The Company is exposed to credit risk, liquidity risk and market risk. In order to manage the aforementioned risks, the Company operates a risk management policy and a program that performs close monitoring and responds to each risk factors.

Financial assets that are subject to the financial risk management consist of cash and cash equivalents, non-current financial assets, trade receivables, other receivables and others; financial liabilities subject to the financial risk management consist of trade payables, other payables, borrowings, and others.

1) Market risk

a. Foreign exchange risk

The Company undertakes transactions denominated in foreign currencies; consequently, exposures to exchange rate fluctuations arise. The Company assesses, manages and reports, on a regular basis, the foreign exchange risk for its receivables and payables denominated in foreign currency.

The table below shows the sensitivity for each foreign currency when exchange rates change 10%. Sensitivity analysis only includes foreign currency monetary items that are not paid, and it adjusts the translation assuming exchange rate changes 10% as of December 31, 2019.

(In thousands of won and in thousands of rupee)

		Korean	n won	Indian	rupee
Currency		10% increase	10% decrease	10% increase	10% decrease
USD	₩	1,890,903	(1,890,903) Rs	116,508	(116,508)
EUR		366,758	(366,758)	22,598	(22,598)
JPY		(8,624,010)	8,624,010	(531,368)	531,368
Others	_	3,441,399	(3,441,399)	212,042	(212,042)
	₩_	(2,924,950)	2,924,950 Rs	(180,220)	180,220

b. Interest rate risk

Sensitivity analysis was conducted assuming floating rate debt current balance is the same during the whole reporting year. When reporting interest rate risk to management internally, 0.5% variation is used, representing management's assessment about reasonably possible fluctuations of interest rates.

If other variables are constant and the interest rate is lower or higher by 0.5% than the current rate, the Company's current income will decrease or increase in \(\psi \) 806,455 thousand (Rs 49,690 thousand) for the year ended December 31, 2019, due to floating rate debt's interest rate risk.

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

(3) Financial risk management, continued

2) Credit risk

Credit risk arises from transactions in the ordinary course of business and investment activities and when a customer or a transacting party fails to perform obligations defined by respective contract terms. In order to manage the aforementioned credit risk, the Company regularly assesses credit ratings of its customers and transacting parties based on their financial status and past experiences, and establishes credit limit for each customer or transacting party.

If a credit risk occurs with respect to a dealership sale, which is a major type of the Company's sales, the respective dealership bears all of the risk; the Company manages credit risk on product sales using two management index, agreed liability rate and agreed excess rate, and when the management index exceeds the agreed rate, it imposes a release restriction on the respective dealership and transfers a credit risk arising from product sales. The Company's trade receivables are usually collected within 30 days but some of the notes receivable are collected within 75 days.

The Company estimates allowances for doubtful accounts (default, liquidation, bankruptcy, court receivership, workout, disappearance, full-scale capital erosion, etc.) through individual analysis for the receivables that are over more than 90 days.

Maximum exposure in respect of credit risk as of December 31, 2019 and 2018 are as follows:

		Korean	won	Indian rupee	
		2019	2018	2019	2018
Trade and other receivables	₩	212,482,093	228,980,147 Rs	13,092,084	14,108,612

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

(3) Financial risk management, continued

3) Liquidity risk

The Company has managed liquidity risk to maintain adequate level of liquidity by periodic projecting cash outflow. To manage the risks, the Company has entered into a factoring agreement with capital financial institutions.

The contractual maturities of financial liabilities as of December 31, 2019 and 2018 are as follows:

(In thousands of won)		2019					
	_	Within a year	Over 1 year	Total			
Trade payables	₩	477,054,916	-	477,054,916			
Other payables		118,490,416	-	118,490,416			
Short-term borrowings(*)		256,399,637	-	256,399,637			
Lease liabilities(*)		6,414,948	3,981,696	10,396,644			
Other payables		1,220,472	-	1,220,472			
Long-term borrowings(*)		-	171,603,986	171,603,986			
Long-term other payables	_		848,340	848,340			
	₩	859,580,389	176,434,022	1,036,014,411			

^(*) Including expected interest expenses.

(In thousands of won)		2018				
	_	Within a year	Over 1 year	Total		
Trade payables	₩	534,719,078	-	534,719,078		
Other payables		154,398,334	-	154,398,334		
Short-term borrowings(*)		179,518,770	-	179,518,770		
Other payables		1,057,821	-	1,057,821		
Long-term borrowings(*)		-	78,760,222	78,760,222		
Long-term other payables		<u>-</u>	1,593,271	1,593,271		
	₩	869,694,003	80,353,493	950,047,496		

^(*) Including expected interest expenses.

(In thousands of rupee)		2019					
	_	Within a year	Over 1 year	Total			
Trade payables	Rs	29,393,739	-	29,393,739			
Other payables		7,300,787	-	7,300,787			
Short-term borrowings(*)		15,798,064	=	15,798,064			
Lease liabilities(*)		395,257	245,332	640,589			
Other payables		75,199	=	75,199			
Long-term borrowings(*)		-	10,573,380	10,573,380			
Long-term other payables		<u> </u>	52,270	52,270			
	Rs_	52,963,046	10,870,982	63,834,028			

^(*) Including expected interest expenses.

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

- (3) Financial risk management, continued
- 3) Liquidity risk, continued

(In thousands of rupee)		2018				
	_	Within a year	Over 1 year	Total		
Trade payables	Rs	32,946,716	-	32,946,716		
Other payables		9,513,253	-	9,513,253		
Short-term borrowings(*)		11,061,049	-	11,061,049		
Other payables		65,178	-	65,178		
Long-term borrowings(*)		-	4,852,811	4,852,811		
Long-term other payables	_		98,169	98,169		
	Rs_	53,586,196	4,950,980	58,537,176		

^(*) Including expected interest expenses.

- (4) Fair value of financial instruments
- 1) The Company's management deems that the differences between carrying value and fair value of financial assets and financial liabilities recognized as amortized cost on financial statements is not significant.
- 2) Valuation methods and assumptions applied in fair value measurement

The fair values of financial instruments (i.e., government bonds and unsecured corporate bonds) traded on active markets are determined with reference to quoted market prices. The Company uses the closing price as the quoted market price for its financial assets.

The fair values of derivatives where no active market exists or where quoted prices are not otherwise available are determined by using valuation techniques. Non-option derivatives are evaluated by discounted cash flow method using the yield curve available. Options are evaluated by option-pricing models. Foreign exchange forward contracts are determined using the yield curve derived from market interest rates with the same maturity of forward contracts. To measure interest rate swaps, the cash flows are estimated by the yield curve derived from market interest rate and discounted to calculate the present value of swaps.

3) The following table provides an analysis of financial instruments that are measured subsequent to initial recognition at fair value, classified as Level 1, 2 or 3, based on the degree to which the fair value is observable.

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Level 1	quotea prices	(unadjusted) in	active markets	tor identicai	assets or liabilities

Level 2 inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or in indirectly (i.e. derived from prices)

Level 3 input for the asset or liability that are not based on observable market data (unobservable inputs)

For the years ended December 31, 2019 and 2018

34. Financial Instruments, Continued

(4) Fair value of financial instruments, continued

Fair values of financial instruments by hierarchy level as of December 31, 2018 are as follows:

(In thousands of won)

	_	Level 1	Level 2	Level 3	Fair value
As of December 31, 2018 Derivatives assets	₩	-	891,319	-	891,319
(In thousands of rupee)	_	Level 1	Level 2	Level 3	Fair value
As of December 31, 2018 Derivatives assets	Rs	-	54,919	-	54,919

⁴⁾ As input factors used in measuring market value of foreign exchange forward are from observable exchange forward rate, the Company classified the fair value of foreign exchange forward as level 2.

35. Going concern assumption

The Company's financial statements are prepared on the assumption that it will continue as going concern, and therefore our assets and liabilities are accounted for on the assumption that they can be recovered or repaid at their carrying amount through the normal course of business activities. However, due to deteriorating financial structure, the Company has incurred operating losses of \$\forall 275,199\$ million (Rs 16,956 million) and net losses of \$\forall 341,052\$ million (Rs 21,014 million) as of the end of the reporting period. In addition, the company's current liabilities exceed its current assets by \$\forall 476,896\$ million (Rs 29,384 million) as of the end of the reporting period.

In circumstances where material uncertainty on the ability to continue as a going concern, which is the basis for preparation of the financial statements. As a result, the Company has commenced a capital reorganization plan. As the stabilization of operating income will depend on the success of this plan, a significant uncertainty exists.

As it will be difficult for the Company to continue as a going concern if the Company fails to achieve its plan, the carrying amount of the Company's assets and liabilities may not be recoverable in the ordinary course of business. The financial statements do not include any adjustments that might result from the outcome of this uncertainty.



KPMG SAMJONG Accounting Corp.

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Independent Auditors' Report on Internal Control over Financial Reporting ("ICFR")

Based on a report originally issued in Korean

To the Shareholders and Board of Directors of Ssangyong Motor Company

Opinion on Internal Accounting Control System

We have audited Ssangyong Motor Company's ("the Company") internal control over financial reporting ("ICFR") as of December 31, 2019 based on the criteria established in the Conceptual Framework for Designing and Operating ICFR ("ICFR Design and Operation Framework") issued by the Operating Committee of Internal Control over Financial Reporting in the Republic of Korea (the "ICFR Committee").

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2019, based on ICFR Design and Operation Framework.

We also have audited, in accordance with Korean Standards on Auditing (KSAs), the separate financial statements of the Company, which comprise the separate statement of financial position as of December 31, 2019, the separate statements of comprehensive income, changes in equity and cash flows for the year then ended, and notes, comprising significant accounting policies and other explanatory information, and our report dated March 16, 2020 expressed "an unmodified opinion on those separate financial statements".

Basis for Opinion

We conducted our audit in accordance with KSAs. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Internal Control over Financial Reporting section of our report. We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the internal control over financial reporting in Republic of Korea, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Internal Control over Financial Reporting

The Company's management is responsible for designing, operating and maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Report on the Assessment of the internal Control over Financial Reporting.

Those charged with governance are responsible for overseeing the Company's internal control over financial reporting.

Auditors' Responsibilities for the Audit of the Internal Control over Financial Reporting

Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We conducted our audit in accordance with KSAs. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk.



Definition and Limitations of Internal Control over Financial Reporting

「A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with Korean International Financial Reporting Standards ("K-IFRS").」 A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with K-IFRS, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

The engagement partner on the audit resulting in this independent auditors' report is Jong Sang Lee.

KPMG Samjory Accounting Corp.

Seoul, Korea March 16, 2020

This report is effective as of March 16, 2020, 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 internal control over financial reporting. Accordingly, the readers of the audit report should understand that the above audit report has not been updated to reflect the impact of such subsequent events or circumstances, if any.

Report on the operations of the Internal Control over Financial Reporting

To the Shareholders, Board of Directors, and Audit Committee of Ssangyong Motor Company

We, as the Chief Executive Officer("CEO") and the Internal Accounting Manager ("IAM") of Ssangyong Motor Company ("the Company"), assessed operating status of the Company's Internal Control over Financial Reporting("ICFR") for the year ending December 31, 2019.

Design and operation of ICFR is the responsibility of the Company's management, including the CEO and the IAM (collectively, "We"). We evaluated whether the Company effectively designed and operated its ICFR to prevent and detect errors or frauds which may cause a misstatement in financial statements to ensure preparation and disclosure of reliable financial information.





We used the 'Conceptual Framework for Designing and Operating Internal Control over Financial Reporting' established by the Operating Committee of Internal Control over Financial Reporting In Korea (the "ICFR Committee")' as the criteria for design and operation of the Company's ICFR. And we conducted an evaluation of ICFR based on the 'Management Guideline for Evaluating and Reporting Effectiveness of Internal Control over Financial Reporting' established by the ICFR Committee.

Based on our assessment, we concluded that the Company's ICFR is designed and operated effectively as of December 31, 2019, in all material respects, in accordance with the 'Conceptual Framework for Designing and Operating Internal Control over Financial Reporting.

We certify that this report does not contain any untrue statement of a fact, or omit to state a fact necessary to be presented herein. We also certify that this report does not contain or present any statements which might cause material misunderstandings of the readers, and we have reviewed and verified this report with sufficient care.

February 6, 2028 Market Market Sign ature) Signature) Signature)

Chief Executive Officer Byung-tae Yea (Sign ature)

Internal Accounting Manager Ashutosh vidwans (Signat ure)

Mahindra

