

GERDAU S.A.  
Form 20-F  
March 15, 2017  
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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**FORM 20-F**

**o REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) OR  
(g) OF THE SECURITIES EXCHANGE ACT OF 1934**

**OR**

**x ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
For the Fiscal Year Ended December 31, 2016**

**OR**

**o TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF  
THE SECURITIES EXCHANGE ACT OF 1934**

**OR**

**o SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR  
15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

Commission file number 1-14878

**GERDAU S.A.**

(Exact name of Registrant as specified in its charter)

**N/A**

(Translation of Registrant's name into English)

**Federative Republic of Brazil**

(Jurisdiction of incorporation or organization)

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**Av. Farrapos 1811**  
**Porto Alegre, Rio Grande do Sul - Brazil CEP 90220-005**  
(Address of principal executive offices) (Zip code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange in which registered
Preferred Shares, no par value per share, each represented by American Depositary Shares	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: **None**

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Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: **None**

The total number of issued shares of each class of stock of GERDAU S.A. as of December 31, 2016 was:

573,627,483 Common Shares, no par value per share  
1,146,031,245 Preferred Shares, no par value per share

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

☒ Yes ☐ No

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

☐ Yes ☒ No

Note Checking the box above will not relieve any registrant required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 from their obligations under those Sections.

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

☒ Yes ☐ No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

☐ Yes ☒ No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of accelerated filer and large accelerated filer in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer ☒

Accelerated filer ☐

Non-accelerated filer ☐

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Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP ☐

International Financial Reporting Standards as issued  
by the International Accounting Standards Board ☒

Other ☐

If ☐ Other has been checked in response to the previous question, indicate by check mark which financial statement item the registrant has elected to follow.

☐ Item 17 ☐ Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

☐ Yes ☒ No

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**INTRODUCTION**

Unless otherwise indicated, all references herein to:

(i) the Company, Gerdau, we or us are references to Gerdau S.A., a corporation organized under the laws of the Federative Republic of Brazil ( Brazil ) and its consolidated subsidiaries;

(ii) Açominas is a reference to Aço Minas Gerais S.A. Açominas prior to November 2003 whose business was to operate the Ouro Branco steel mill. In November 2003 the company underwent a corporate reorganization, receiving all of Gerdau's Brazilian operating assets and liabilities and being renamed Gerdau Açominas S.A.;

(iii) Gerdau Açominas is a reference to Gerdau Açominas S.A. after November 2003 and to Açominas before such date. In July 2005, certain assets and liabilities of Gerdau Açominas were spun-off to four other newly created entities: Gerdau Aços Longos, Gerdau Aços Especiais and Gerdau América do Sul Participações. As a result of such spin-off, as from July 2005, the activities of Gerdau Açominas only comprise the operation of the Açominas steel mill;

(iv) Preferred Shares and Common Shares refer to the Company's authorized and outstanding preferred stock and common stock, designated as *ações preferenciais* and *ações ordinárias*, respectively, all without par value. All references herein to the *real*, *reais* or *R\$* are to the Brazilian *real*, the official currency of Brazil. All references to (i) U.S. dollars, dollars, U.S.\$ or \$ are to the official currency of the United States, (ii) Euro or the official currency of members of the European Union, (iii) billions are to thousands of millions, (iv) km are to kilometers, and (vi) tonnes are to metric tonnes;

(v) Installed capacity means the annual projected capacity for a particular facility (excluding the portion that is not attributable to our participation in a facility owned by a jointly controlled entity), calculated based upon operations for 24 hours each day of a year and deducting scheduled downtime for regular maintenance;

(vi) Tonne means a metric tonne, which is equal to 1,000 kilograms or 2,204.62 pounds;

(vii) Consolidated shipments means the combined volumes shipped from all our operations in Brazil, South America, North America and Europe/Asia, excluding our jointly controlled entity and associate companies;

(viii) Worldsteel means World Steel Association, IABr means Brazilian Steel Institute (Instituto Aço Brasil) and AISI means American Iron and Steel Institute;

(ix) CPI means consumer price index, CDI means Interbanking Deposit Rates (Certificados de Depósito Interfinanceiro), IGP-M means Consumer Prices Index (Índice Geral de Preços do Mercado), measured by FGV (Fundação Getulio Vargas), LIBOR means London Interbank Offered Rate, GDP means Gross Domestic Product;

(x) Brazil BD means Brazil Business Division, North America BD means North America Business Division, South America BD means South America Business Division and Special Steel BD means Special Steel Business Division.

(xi) proven or probable mineral reserves has the meaning defined by SEC in Industry Guide 7.

The Company has prepared the consolidated financial statements included herein in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB). The following investments are accounted following the equity method: Bradley Steel Processor and MRM Guide Rail, all in North America, of which Gerdau Ameristeel holds 50% of the total capital, the investment in the holding company Gerdau Metaldom Corp., in which the Company holds a 45% stake, in the Dominican Republic, the investment in the holding company Corsa Controladora, S.A. de C.V., in which the Company holds a 49% stake, which in turn holds the capital stock of Aceros Corsa S.A. de C.V., in Mexico, the investment in Gerdau Corsa S.A.P.I. de C.V., in Mexico, in which the Company holds a 50% stake and the investment in Dona Francisca Energética S.A, in Brazil, in which the Company holds a 51.82% stake.

Unless otherwise indicated, all information in this Annual Report is stated as of December 31, 2016. Subsequent developments are discussed in Item 8.B - Financial Information - Significant Changes.

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**CAUTIONARY STATEMENT WITH RESPECT TO FORWARD-LOOKING STATEMENTS**

This Annual Report contains forward-looking statements within the meaning of the Private Securities Litigation Act of 1995. These statements relate to our future prospects, developments and business strategies.

Statements that are predictive in nature, that depend upon or refer to future events or conditions or that include words such as expects, anticipates, intends, plans, believes, estimates and similar expressions are forward-looking statements. Although we believe that these forward-looking statements are based upon reasonable assumptions, these statements are subject to several risks and uncertainties and are made in light of information currently available to us.

It is possible that our future performance may differ materially from our current assessments due to a number of factors, including the following:

- general economic, political and business conditions in our markets, both in Brazil and abroad, including demand and prices for steel products;
- interest rate fluctuations, inflation and exchange rate movements of the *real* in relation to the U.S. dollar and other currencies in which we sell a significant portion of our products or in which our assets and liabilities are denominated;
- our ability to obtain financing on satisfactory terms;
- prices and availability of raw materials;
- changes in international trade;
- changes in laws and regulations;
- electric energy shortages and government responses to them;



- the performance of the Brazilian and the global steel industries and markets;
- global, national and regional competition in the steel market;
- protectionist measures imposed by steel-importing countries; and
- other factors identified or discussed under Risk Factors.

Our forward-looking statements are not guarantees of future performance, and actual results or developments may differ materially from the expectations expressed in the forward-looking statements. As for the forward-looking statements that relate to future financial results and other projections, actual results will be different due to the inherent uncertainty of estimates, forecasts and projections. Because of these uncertainties, potential investors should not rely on these forward-looking statements.

We undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future events or otherwise.

Table of Contents**PART I****ITEM 1. IDENTITY OF DIRECTORS, SENIOR MANAGEMENT AND ADVISERS**

Not applicable, as the Company is filing this Form 20-F as an annual report.

**ITEM 2. OFFER STATISTICS AND EXPECTED TIMETABLE**

Not applicable, as the Company is filing this Form 20-F as an annual report.

**ITEM 3. KEY INFORMATION****A. SELECTED FINANCIAL DATA**

The selected financial information for the Company included in the following tables should be read in conjunction with the IFRS financial statements of the Company, appearing elsewhere in this Annual Report, and section Operating and Financial Review and Prospects. The consolidated financial data of the Company as of and for each of the years ended on December 31, 2016, 2015, 2014, 2013 and 2012 are derived from the financial statements prepared in accordance with IFRS and presented in Brazilian Reais.

## IFRS Summary Financial and Operating Data

	(Expressed in thousands of Brazilian Reais- R\$ except quantity of shares and amounts per share)				
	2016	2015	2014	2013	2012
<b>NET SALES</b>	37,651,667	43,581,241	42,546,339	39,863,037	37,981,668
Cost of sales	(34,187,941)	(39,290,526)	(37,406,328)	(34,728,460)	(33,234,102)
<b>GROSS PROFIT</b>	3,463,726	4,290,715	5,140,011	5,134,577	4,747,566
Selling expenses	(710,766)	(785,002)	(691,021)	(658,862)	(587,369)
General and administrative expenses	(1,528,262)	(1,797,483)	(2,036,926)	(1,953,014)	(1,884,306)
Impairment of assets	(2,917,911)	(4,996,240)	(339,374)		
Results in operations with subsidiaries, associate and jointly controlled entity	(58,223)		636,528		
Other operating income	242,077	213,431	238,435	318,256	244,414

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Other operating expenses	(114,230)	(116,431)	(150,542)	(140,535)	(180,453)
Equity in earnings (losses) of unconsolidated companies	(12,771)	(24,502)	101,875	54,001	8,353
<b>INCOME (LOSS) BEFORE FINANCIAL INCOME (EXPENSES) AND TAXES</b>					
	(1,636,360)	(3,215,512)	2,898,986	2,754,423	2,348,205
Financial income	252,045	378,402	276,249	292,910	316,611
Financial expenses	(2,010,005)	(1,780,366)	(1,397,375)	(1,053,385)	(952,679)
Exchange variations, net	851,635	(1,564,017)	(476,367)	(544,156)	(134,128)
Gains and losses on financial instruments, net	(38,930)	87,085	36,491	(2,854)	(18,547)
<b>INCOME (LOSS) BEFORE TAXES</b>	(2,581,615)	(6,094,408)	1,337,984	1,452,646	1,559,462
Current	(110,511)	(158,450)	(571,926)	(318,422)	(316,271)
Deferred	(193,803)	1,656,872	722,315	559,478	253,049
Income and social contribution taxes	(304,314)	1,498,422	150,389	241,056	(63,222)
<b>NET INCOME (LOSS)</b>	(2,885,929)	(4,595,986)	1,488,373	1,693,702	1,496,240
<b>ATRIBUTABLE TO:</b>					
Owners of the parent	(2,890,811)	(4,551,438)	1,402,873	1,583,731	1,425,633
Non-controlling interests	4,882	(44,548)	85,500	109,971	70,607
	(2,885,929)	(4,595,986)	1,488,373	1,693,702	1,496,240

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	(Expressed in thousands of Brazilian Reais-R\$ except quantity of shares and amounts per share)				
	2016	2015	2014	2013	2012
Basic earnings (loss) per share in R\$					
Common	(1.70)	(2.69)	0.82	0.93	0.84
Preferred	(1.70)	(2.69)	0.82	0.93	0.84
Diluted earnings (loss) per share in R\$					
Common	(1.70)	(2.69)	0.82	0.93	0.84
Preferred	(1.70)	(2.69)	0.82	0.93	0.84
Cash dividends declared per share in R\$					
Common	0.05	0.15	0.25	0.28	0.24
Preferred	0.05	0.15	0.25	0.28	0.24
Weighted average Common Shares outstanding during the year (1)	571,929,945	571,929,945	571,929,945	571,929,945	571,929,945
Weighted average Preferred Shares outstanding during the year (1)	1,132,626,373	1,117,034,926	1,132,483,383	1,129,184,775	1,130,398,618
Number of Common Shares outstanding at year end (2)	571,929,945	571,929,945	571,929,945	571,929,945	571,929,945
Number of Preferred Shares outstanding at year end (2)	1,137,018,570	1,114,744,538	1,132,613,562	1,132,285,402	1,128,534,345

(1) The information on the numbers of shares presented above corresponds to the weighted average quantity during each year.

(2) The information on the numbers of shares presented above corresponds to the shares at the end of the year.

	2016	2015	On December 31, 2014	2013	2012
	(Expressed in thousands of Brazilian Reais - R\$)				
<b>Balance sheet selected information</b>					
Cash and cash equivalents	5,063,383	5,648,080	3,049,971	2,099,224	1,437,235
Short-term investments (1)	1,024,411	1,270,760	2,798,834	2,123,168	1,059,605
Current assets	17,796,740	22,177,498	20,682,739	18,177,222	16,410,397
Current liabilities	8,621,509	7,863,031	7,772,796	7,236,630	7,823,182
Net working capital (2)	9,175,231	14,314,467	12,909,943	10,940,592	8,587,215
Property, plant and equipment, net	19,351,891	22,784,326	22,131,789	21,419,074	19,690,181
Net assets (3)	24,274,653	31,970,383	33,254,534	32,020,757	28,797,917
Total assets	54,635,141	70,094,709	63,042,330	58,215,040	53,093,158
Short-term debt (including Current Portion of Long-Term Debt )	4,458,220	2,387,237	2,037,869	1,810,783	2,324,374
Long-term debt, less current portion	15,959,590	23,826,758	17,148,580	14,481,497	11,725,868
Debentures - short term				27,584	257,979
Debentures - long term	165,423	246,862	335,036	386,911	360,334
Equity	24,274,653	31,970,383	33,254,534	32,020,757	28,797,917
Capital	19,249,181	19,249,181	19,249,181	19,249,181	19,249,181

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- (1) Includes held for trading.
  - (2) Total current assets less total current liabilities.
  - (3) Total assets less total current liabilities and less total non-current liabilities.

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The following table presents the exchange rates, according to the Brazilian Central Bank, for the periods indicated between the United States dollar and the Brazilian *real* which is the currency in which we prepare our financial statements included in this Annual Report on Form 20-F.

**Exchange rates from U.S. dollars to Brazilian reais**

<b>Period</b>	<b>Period-end</b>	<b>Average</b>	<b>High</b>	<b>Low</b>
March-2017 (through March 13)	3.1541	3.1350	3.1735	3.0976
February-2017	3.0993	3.1042	3.1479	3.0510
January-2017	3.1270	3.1966	3.2729	3.1270
December-2016	3.2591	3.3523	3.4650	3.2591
November-2016	3.3967	3.3420	3.4446	3.2024
October - 2016	3.1811	3.1858	3.2359	3.1193
September - 2016	3.2462	3.2564	3.3326	3.1934
2016	3.2591	3.4833	4.1558	3.1193
2015	3.9048	3.3399	4.1949	2.5754
2014	2.6562	2.3547	2.7403	2.1974
2013	2.3426	2.1601	2.4457	1.9528
2012	2.0435	1.9550	2.1121	1.7024

Dividends

The Company's total authorized capital stock is composed of common and preferred shares. As of December 31, 2016, the Company had 571,929,945 common shares and 1,137,018,570 non-voting preferred shares outstanding (excluding treasury stock).

The following table details dividends and interest on equity paid to holders of common and preferred stock since 2012. The figures are expressed in Brazilian reais and U.S. dollars. The exchange rate used for conversion to U.S. dollars was based on the date of the resolution approving the dividend.

Dividends per share information has been computed by dividing dividends and interest on equity by the number of shares outstanding, which excludes treasury stock. The table below presents the quarterly dividends paid per share, except where stated otherwise:

<b>Period</b>	<b>Date of Resolution</b>	<b>R\$ per Share Common or Preferred Stock</b>	<b>\$ per Share Common or Preferred Stock</b>
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1st Quarter 2012	05/02/2012	0.0600	0.0313
2nd Quarter 2012	08/02/2012	0.0900	0.0440
3rd Quarter 2012	11/01/2012	0.0700	0.0345
4th Quarter 2012	02/21/2013	0.0200	0.0101
1st Quarter 2013	05/07/2013	0.0200	0.0099
2nd Quarter 2013 (1)	08/01/2013	0.0700	0.0305
3rd Quarter 2013 (1)	10/31/2013	0.1200	0.0545
4th Quarter 2013	02/21/2014	0.0700	0.0296
1st Quarter 2014 (1)	05/07/2014	0.0700	0.0312
2nd Quarter 2014	07/30/2014	0.0600	0.0265
3rd Quarter 2014 (1)	11/05/2014	0.0500	0.0199
4th Quarter 2014	03/04/2015	0.0700	0.0235
1st Quarter 2015 (1)	06/05/2015	0.0600	0.0197
2nd Quarter 2015 (1)	08/12/2015	0.0500	0.0144
3rd Quarter 2015	10/29/2015	0.0400	0.0102
2nd Quarter 2016	08/10/2016	0.0300	0.0096
3rd Quarter 2016	11/04/2016	0.0200	0.0062

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(1) Payment of interest on equity.

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Brazilian Law 9,249 of December 1995 provides that a company may, at its sole discretion, pay interest on equity in addition to or instead of dividends (See Item 8 Financial Information - Interest on Equity ). A Brazilian corporation is entitled to pay its shareholders interest on equity up to the limit based on the application of the TJLP rate (Long-Term Interest Rate) to its shareholders' equity or 50% of the net income in the fiscal year, whichever is higher. This payment is considered part of the mandatory dividend required by Brazilian Corporation Law for each fiscal year. The payment of interest on equity described herein is subject to a 15% withholding tax. See Item 10. Additional Information Taxation .

Gerdau has a Dividend Reinvestment Plan (DRIP), a program that allows the holders of Gerdau ADRs to reinvest dividends to purchase additional ADRs in the Company, with no issuance of new shares. Gerdau also provides its shareholders with a similar program in Brazil that allows the reinvestment of dividends in additional shares, with no issuance of new shares.

**B. CAPITALIZATION AND INDEBTEDNESS**

Not required, as the Company is filing this Form 20-F as an annual report.

**C. REASONS FOR THE OFFER AND USE OF PROCEEDS**

Not required, as the Company is filing this Form 20-F as an annual report.

**D. RISK FACTORS**

*Any downgrade in the Company's credit ratings could adversely affect the availability of new financing and increase its cost of capital.*

In 2007, the international rating agencies, Fitch Ratings and Standard & Poor's, classified the Company's credit risk as investment grade, enabling the Company to access more attractive borrowing rates. In December 2011, Moody's assigned the investment grade rating Baa3 for all of Gerdau's ratings. With the deterioration of the Brazilian economy, S&P, Fitch and Moody's downgraded Brazil's sovereign rating. Despite the loss of Brazil's investment grade in 2015, the Company maintained its investment grade by the rating agencies Fitch and Standard & Poor's. However, on February 5, 2016, Moody's downgraded Gerdau's credit rating to Ba3, with a negative outlook.

The loss of any additional of Gerdau's investment grade ratings could increase its cost of capital, impair its ability to obtain capital and adversely affect its financial condition and results of operations.



*The Company's level of indebtedness could adversely affect its ability to raise additional capital to fund operations, limit the ability to react to changes in the economy or the industry and prevent it from meeting its obligations under its debt agreements.*

The Company's degree of leverage, together with the change in rating by the credit rating agencies, could have important consequences, including the following:

- It may limit the ability to obtain additional financing for working capital, additions to fixed assets, product development, debt service requirements, acquisitions and general corporate or other purposes;
- It may limit the ability to declare dividends on its shares;
- A portion of the cash flows from operations must be dedicated to the payment of interest on existing indebtedness and is not available for other purposes, including operations, additions to fixed assets and future business opportunities;
- It may limit the ability to adjust to changing market conditions and place the Company at a competitive disadvantage compared to its competitors that have less debt;
- The Company may be vulnerable in a downturn in general economic conditions;
- The Company may be required to adjust the level of funds available for additions to fixed assets; and
- Furthermore, R\$16.5 billion of the total indebtedness of the Company and its subsidiaries, as of December 31, 2016, was subject to cross-default provisions, which could result in the early maturity of obligations, at thresholds varying from

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US\$30.7 million to US\$100.0 million, depending on the agreement. Thus, there is a risk that an event of default in one single debt agreement can potentially trigger events of default in other debt agreements.

As a result, the Company's financial condition and results of operations may be adversely affected.

In September 2015, the Company concluded the process of eliminating the financial covenants in all contracts. Since October, 2015, only financial transactions with BNDES include indebtedness ratios of the Company, but with distinct characteristics in relation to those contained in the contracts with commercial banks. In the event of a failure to satisfy the annual tests, the Company would have a grace period and a subsequent renegotiation of the security for the financing, and an event of default would not occur.

***Unfavorable outcomes in judicial, administrative and regulatory litigation may negatively affect our results of operations, cash flows and financial condition.***

We are involved in numerous tax, civil and labor disputes involving significant monetary claims.

The principal litigations are described more fully in Legal Proceedings. Among the material matters for which no reserve has been established are the following:

- The Company and its subsidiaries, Gerdau Aços Longos S.A. and Gerdau Aço Minas S.A. are parties in legal proceedings related to Tax on Circulation of Goods and Services ( Imposto sobre a circulação de Mercadorias e Serviços - ICMS) state VAT proceedings, which essentially relate to tax credit and rate differences, and amount in aggregate to R\$ 1,832 million as of December 31, 2016.
- The Company and its subsidiaries, Gerdau Aço Minas S.A.; Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A., are parties to proceedings related to other taxes for which no reserve for contingency was established, as the probability of loss is less likely than not. The total amount involved is R\$ 691 million as of December 31, 2016.
- Subsidiary Gerdau Aços Longos S.A. is party to an administrative proceeding relating to Withholding Income Tax, in the amount of R\$117 million, assessed on the remittance abroad of interest charged on export financings under Export Prepayment or Export Advance Agreements. The Company submitted an administrative claim challenging the tax assessment on January 13, 2017, the judgment of which is currently pending before the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

- Subsidiaries Gerdau Internacional Empreendimentos Ltda. and Gerdau Aços Especiais S.A., are parties to an administrative and judicial proceedings relating to IRPJ Corporate Income Tax and CSLL Social Contribution Tax, in the current amount of R\$ 1,410 million. Said proceedings relate to profits generated abroad, of which (i) R\$ 1,248 million correspond to two proceedings involving Gerdau Internacional Empreendimentos Ltda., of which (i.a.) R\$ 348 million relate to a voluntary appeal which was partially granted in the lower tribunal of the Brazilian Board of Tax Appeals (Conselho Administrativo de Recursos Fiscais CARF, administrative body of the Ministry of Finance of Brazil), and is subject to special appeals currently pending in CARF's superior tribunal, and (i.b) R\$ 900 million relate to a proceeding that is no longer subject to appeal in CARF and was referred for judicial collection, which collection is being challenged in the competent judicial lower court; and (ii) R\$ 162 million correspond to a proceeding involving Gerdau Aços Especiais S.A., whose voluntary appeal in CARF's lower tribunal was dismissed, and currently awaits the publication of judgment for the lodging of an appeal.

- Subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., are parties to administrative proceedings relating to the disallowance of the deductibility of goodwill generated in accordance with Article 7 and 8 of Law 9,532/97 as a result of a corporate restructuring carried out in 2004/2005 from the tax base of the Corporate Income tax - IRPJ and Social Contribution on Net Income - CSLL. The total updated amount of the proceedings is R\$ 5,089 million, of which (i) R\$ 3,913 million correspond to four proceedings involving subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., for which administrative discussions already ended and are currently in the administrative collection stage; and in connection with Gerdau Aços Longos S.A., the Company obtained injunctive relief to permit it to offer a judicial guarantee using a liability insurance policy in the amount of R\$ 2,806 million; (ii) R\$ 505 million correspond to two proceedings involving Gerdau Aços Longos S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; (iii) R\$ 115 million correspond to a proceeding involving the subsidiary Gerdau Aços Especiais S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; and (iv) R\$ 556 million correspond to one proceeding involving the subsidiary Gerdau Aços Longos S.A., the challenge to which was filed by the Company on January 13, 2017 and is currently pending judgment by the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

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Some of the decisions obtained at the CARF related to those proceedings along with other matters involving the Company included in the scope of the so-called Operation Zelotes ( " Operation " ) are being investigated by Brazilian federal authorities including the Judiciary Branch, with the purpose of verifying the occurrence or not of alleged illegal acts.

Considering the involvement of Gerdau 's name in press reports concerning the Operation, the Board of Directors decided to engage an external legal counsel, which would report to a Special Committee of the Board, to conduct an investigation to determine, among other things:

(i) whether, in light of existent practices, proper protocol was followed in the Company 's relationship with governmental authorities, including CARF, and in the hiring of firms representing the Company in cases before CARF; (ii) whether these firms have remained within the scope of the contracted work; (iii) whether the engagement terms for such firms included clauses intended to prevent activity that violates ethical codes or laws currently in force; (iv) whether the engagement terms for such firms included the establishment of sanctions for any violations (whether contractual breaches or otherwise); and (v) if there is any evidence of fraud, deceit, bad faith, or any expression of an intent to commit an illegal act from part of directors and/or officers of the Company in its relationship with governmental authorities, including CARF, in the negotiation, signing or carrying out of the aforementioned contracts ( " Internal Investigation " ).

The Internal Investigation is ongoing, and the Company as of the date of the approval of these Financial Statements believes it is not possible to predict either the duration or the outcome of the Operation or of the Internal Investigation. Additionally, the Company believes that currently there is not enough information to determine whether a provision for losses is required or to disclose any contingency.

The Company 's legal tax advisors have confirmed that the procedures adopted by the Company with respect to the tax treatment of profits abroad and the deductibility of goodwill, which generated the above mentioned proceedings, were strictly legal, and, therefore, the likelihood of loss with respect to said proceedings is possible (but not likely).

***Unexpected equipment failures may lead to production curtailments or shutdowns.***

Unexpected interruptions in the production capabilities at Gerdau 's principal sites and installations would increase production costs, reducing shipments and earnings for the affected period. These interruptions result from: (i) unpredictable/periodic equipment failures, which are essential to the development of the production processes of Gerdau, such as steelmaking equipment, such as its electric arc furnaces, continuous casters, gas-fired reheat furnaces, rolling mills and electrical equipment, including high-output transformers; and/or (ii) unanticipated events such as fires, explosions or violent weather conditions. As a result, Gerdau has experienced and may in the future experience material plant shutdowns or periods of reduced production. Unexpected interruptions in production capabilities would adversely affect Gerdau 's productivity and results of operations. Moreover, any interruption in production capability may require Gerdau to make additions to fixed assets to remedy the problem, which would reduce the amount of cash available for operations. Gerdau 's insurance may not cover the losses. In addition, long-term business disruption could harm the Company 's reputation and result in a loss of customers, which could adversely affect the business, results of operations, cash flows and financial condition.

***The Company has no proven or probable reserves, and the Company 's decision to commence industrial production, in order to supply its steelmaking works as well as sell any surplus volume, is not based on a study demonstrating economical recovery of any mineral reserves and is therefore inherently risky. Any funds spent by the Company on exploration or development could be lost.***

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The Company has not established any proven or probable mineral reserves at any of its properties. All exploration activities are supported based on mineral resources classified as mineralized materials, as they are not compliant with the definitions established by the SEC of proven or probable reserves. The Company is conducting a comprehensive exploration study to establish, in accordance with SEC definitions, the amount of mineralized material that could be transformed to proven or probable reserves. Thus, part of the volume of mineralized materials informed discussed herein may never reach the development or production stage.

In order to demonstrate the existence of proven or probable reserves, it would be necessary for Company to perform additional exploration to demonstrate the existence of sufficient mineralized material with satisfactory continuity and obtain a positive feasibility study which demonstrates with reasonable certainty that the deposit can be economically and legally extracted and produced. The absence of proven or probable reserves makes it more likely that Company's properties may cease to be profitable and that the money spent on exploration and development may never be recovered, which could adversely affect the financial condition and results of operations of the Company.

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*The Company's projects are subject to risks that may result in increased costs or delay or prevent their successful implementation.*

The Company invested to further increase mining production capacity. See Item 4D. Property, Plant and Equipment. These projects are subject to a number of risks that may adversely affect the Company's growth prospects and profitability, including the following:

- the Company may encounter delays, availability problems or higher than expected costs in obtaining the necessary equipment, services and materials to build and operate a project;
- the Company's efforts to develop projects according to schedule may be hampered by a lack of infrastructure, including availability of overburden and waste disposal areas as well as reliable power and water supplies;
- the Company may fail to obtain, lose, or experience delays or higher than expected costs in obtaining or renewing the required permits, authorizations, licenses, concessions and/or regulatory approvals to build or continue a project; and
- changes in market conditions, laws or regulations may make a project less profitable than expected or economically or otherwise unfeasible.

Any one or a combination of the factors described above may materially and adversely affect the Company's financial condition and results of operations.

*Our mineral resource estimates are based in interpretations and premises and may materially differ from mineral quantities that we may be able to actually extract.*

Our mining resources are estimated quantities of ore and minerals. There are numerous uncertainties inherent in estimating quantities of resources, including many factors beyond our control. Reserve engineering involves estimating deposits of minerals that cannot be measured in an exact manner, and the accuracy of any reserve estimate is a function of the quality of available data, engineering and geological interpretation and judgment. In addition, estimates of different engineers may vary. As a result, no assurance can be given that the amount of mining resources will be extracted or that they can be extracted at commercially viable rates, which could adversely affect the financial situation of the Company.

Moreover, when making determinations about whether to advance any projects to development, Gerdau relies upon estimated calculations as to the mineralized material on its properties. Since Gerdau has not conducted a feasibility study demonstrating proven or probable reserves,

estimates of mineralized material presented are less certain than would be the case if the estimates were made in accordance with the SEC-recognized definition of proven and probable reserves. Furthermore, until ore is actually mined and processed, any mineral reserves and grades of mineralization must be considered as estimates only. These estimates are imprecise and depend on geological interpretation and statistical inferences drawn from drilling and sampling analysis, which may prove to be unreliable. We cannot assure that these mineralized material estimates will be accurate or that this mineralized material can be mined or processed profitably and any decision to move forward with development is inherently risky. Further, there can be no assurance that any minerals recovered in small scale tests will be duplicated in large scale tests under on-site conditions or production scale. Any material changes in estimates of mineralized material will affect the economic viability of placing a property into production and such property's return on capital. As a result, the Company's financial condition and results of operations may be adversely affected.

*Drilling and production risks could adversely affect the mining process.*

Once mineral deposits are discovered, it can take a number of years from the initial phases of drilling until production is possible, during which time the economic feasibility of production may change. Substantial time and expenditures are required to:

- establish mineral reserves through drilling;
- determine appropriate mining and metallurgical processes for optimizing the recovery of metal contained in ore;
- obtain environmental and other licenses;
- construct mining, processing facilities and infrastructure required for greenfield properties; and
- obtain the ore or extract the minerals from the ore.

If a mining project proves not to be economically feasible by the time we are able to profit from it, the Company may incur substantial losses and be obliged to take write-offs. In addition, potential changes or complications involving metallurgical and other

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technological processes arising during the life of a project may result in delays and cost overruns that may render the project not economically feasible and could adversely affect the financial condition and results of operations of the Company.

***The Company has two mining tailing dams and any accident or defect affecting the structural integrity of either of them could affect its image, results of operations, cash flows and financial condition.***

Gerdau has two mining tailing dams in the state of Minas Gerais. The Bocaina Dam has been inactive since 2011 and is practically dry, which is a factor that minimizes the risk. It is periodically monitored and its instrumentation data are within the safety limits. Meanwhile, the Alemães Dam is currently operating at its maximum capacity and is regularly monitored. The instrumentation data are within the safety limits.

Both dams are classified as Class C (low risk) in accordance with the National Mining Dam Registry available on the website of the National Department of Mineral Production (DNPM).

Gerdau adopts rigorous standards of engineering control and environmental supervision and conducts an annual Geotechnical Stability Audit to ensure the stability of the two dams. Gerdau has a Mining Dam Emergency Action Plan for each of the dams and both documents are filed at the regulatory agencies, as required by governing law.

An accident involving a dam could result in serious adverse consequences, including:

- Temporary/permanent shutdown of mining activities and consequently the need to buy iron ore to supply mills;
- Large expenditures on contingencies and on recovering the regions and people affected;
- High investments to resume operations;
- Payment of fines and damages;
- Potential environmental impacts.



Any one or more of these consequences could have a material adverse impact on our results of operations, cash flow and financial condition.

*The interests of the controlling shareholder may conflict with the interests of the non-controlling shareholders.*

Subject to the provisions of the Company's By-Laws, the controlling shareholder has powers to:

- elect a majority of the directors and nominate executive officers, establish the administrative policy and exercise full control of the Company's management;
- sell or otherwise transfer the Company's shares; and
- approve any action requiring the approval of shareholders representing a majority of the outstanding capital stock, including corporate reorganization, acquisition and sale of assets, and payment of any future dividends.

By having such power, the controlling shareholder can make decisions that may conflict with the interest of the Company and other shareholders, which could adversely affect the financial condition and the results of operations of the Company.

*Non-controlling shareholders may have their stake diluted in an eventual capital increase.*

The Company may, in the future, raise funds through a public or private issuance of shares and or debt securities convertible or not into shares. The raising of additional funds through the issuance of shares and or debt securities could result in the dilution of the interest of the non-controlling shareholder in the current composition of the Company's capital, since, pursuant to the Corporations Law, the raising of funds may be done with the exclusion of the preemptive right of the Company's shareholders and, if the investor does not participate in a potential priority offer to the current shareholders of the Company in the proportion of its interest in the Company's capital stock its current shareholding interest will be diluted.

*Higher steel scrap prices or a reduction in supply could adversely affect production costs and operating margins.*

The main metal input for the Company's mini-mills, which mills accounted for 78.0% of total crude steel output as of December 31, 2016, is steel scrap. Although international steel scrap prices are determined essentially by scrap prices in the U.S. local market, because the United States is the main scrap exporter, scrap prices in the Brazilian market are set by domestic supply and



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demand. The price of steel scrap in Brazil varies from region to region and reflects demand and transportation costs. Should scrap prices increase significantly without a corresponding increase in finished steel selling prices, the Company's profits and margins could be adversely affected. An increase in steel scrap prices or a shortage in the supply of scrap to its units would affect production costs and potentially reduce operating margins and revenues. As a result, the Company's financial condition and results of operations may be adversely affected.

***Increases in iron ore and coal prices, or reductions in market supply, could adversely affect the Company's operations.***

When the prices of raw materials, particularly iron ore and coking coal, increase, and the Company needs to produce steel in its integrated facilities, the production costs in its integrated facilities also increase. The Company uses iron ore to produce liquid pig iron at its mills Ouro Branco, Barão de Cocais and Divinópolis in the state of Minas Gerais.

The Ouro Branco mill is the Company's largest mill in Brazil, and its main metal input for the production of steel is iron ore. This unit represented 49.5% of the total crude steel output (in volume) of the Brazil Business Division. A shortage of iron ore in the domestic market may adversely affect the steel producing capacity of the Brazilian units, and an increase in iron ore prices could reduce profit margins.

The Company has iron ore mines in the Brazilian state of Minas Gerais. To mitigate its exposure to the volatility in iron ore prices, the Company invested in expanding the production capacity of these mines, which, commencing in 2012, met 100% of iron ore demand from the Ouro Branco Mill.

All of the Company's coking coal requirements for its Brazilian units are imported due to the low quality of Brazilian coal. Coking coal is the main energy input at the Ouro Branco mill and is used at the coking facility. Although this mill is not dependent on coke supplies, a contraction in the supply of coking coal could adversely affect the integrated operations at this site. The coking coal used in this mill is imported from Canada, the United States, Australia, Mozambique, Peru, Russia and Colombia. Although the market for the supply of coking coal is relatively balanced at the moment, and we have entered into long-term contracts with negotiable prices periodically to minimize the risks of shortages, a shortage of coking coal in the international market would adversely affect the steel producing capacity of the Ouro Branco mill. In addition, an increase in prices could reduce profit margins. Another related risk is the currency depreciation to which the Ouro Branco Mill is exposed, since all coking coal consumed by the operation is imported.

As a result, the Company's financial condition and results of operations may be adversely affected.

***The Company's operations are energy-intensive, and energy shortages or higher energy prices could have an adverse effect.***

Crude steel production is an energy-intensive process, especially in melt shops with electric arc furnaces. Electricity represents an important production component at these units, as also does natural gas, although to a lesser extent. Electricity cannot be replaced at Gerdau's mills and power rationing or shortages could adversely affect production at those units. As a result, the Company's financial condition and results of operations may be adversely affected.

*The failure to pay by our clients or the non-receipt, by the Company, of the credits held before financial institutions and originated from financial investments could adversely affect the Company's revenues.*

Gerdaul may suffer losses from the default of our clients. Gerdaul has a broad base of active clients and, in the case of default of a group of clients, Gerdaul may suffer an adverse effect on its business, financial condition, results of operations and cash flows.

This risk arises from the possibility of the Company not receiving the amounts due to it from sales transactions or credits payable by financial institutions, which originated from our financial investments, which could also have an adverse effect on the business, financial condition, results of operations and cash flows of Gerdaul.

*Global crises and subsequent economic slowdowns may adversely affect global steel demand. As a result, the Company's financial condition and results of operations may be adversely affected.*

Historically, the steel industry has been highly cyclical and deeply impacted by economic conditions in general, such as world production capacity and fluctuations in steel imports/exports and the respective import duties. After a steady period of growth between 2004 and 2008, the marked drop in demand resulting from the global economic crisis of 2008-2009 once again demonstrated the vulnerability of the steel market to volatility of international steel prices and raw materials. That crisis was caused by the dramatic increase of high risk real estate financing defaults and foreclosures in the United States, with serious consequences for bank and financial markets throughout the world. Developed markets, such as North America and Europe, experienced a strong recession due to

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the collapse of real estate financings and the shortage of global credit. As a result, the demand for steel products suffered a decline in 2009, but since 2010 has been experiencing a gradual recovery, principally in the developing economies. The steel sector is experiencing challenges mainly due to excess global steel capacity, the Chinese economic slowdown, and the entry of imported steel into countries with more open economies.

The economic downturn and turbulence in the global economy can negatively impact the consuming markets, affecting the business environment with respect to the following:

- Decrease in international steel prices;
- Slump in international steel trading volumes;
- Crisis in automotive industry and infrastructure sectors; and
- Lack of liquidity in the international market.

If Company is not able to remain competitive in these shifting markets, our profitability, margins and income may be negatively affected. A decline in this trend could result in a decrease in Company shipments and revenues. As a result, the Company's financial condition and results of operations may be adversely affected.

***Brazil's political and economic conditions and the Brazilian government's economic and other policies may negatively affect demand for the Company's products as well as its net sales and overall financial performance.***

The Brazilian economy has been characterized by frequent and occasionally extensive intervention by the Brazilian government. The Brazilian government has often changed monetary, taxation, credit, tariff and other policies to influence the course of the country's economy. The Brazilian government's actions to control inflation and implement other policies have involved hikes in interest rates, wage and price controls, devaluation of the currency, freezing of bank accounts, capital controls and restrictions on imports.

The Company's results of operations and financial condition may be adversely affected by the following factors and the government responses to them:

- exchange rate controls and fluctuations;
- interest rates;
- inflation;
- tax policies;
- energy shortages;
- liquidity of domestic and foreign capital and lending markets; and
- other political, diplomatic, social and economic developments in or affecting Brazil.

Uncertainty over whether the Brazilian government will change policies or regulations affecting these or other factors may contribute to economic uncertainty in Brazil and to heightened volatility in Brazilian securities markets and securities issued abroad by Brazilian issuers. In 2015, Brazil was downgraded below investment grade by Moody's, Standard & Poor's and Fitch Ratings. These and other developments in Brazil's economy and government policies may adversely affect the Company and its business.

In addition, and as a consequence of the above, Brazil has been experiencing an economic slowdown. The GDP growth rates were -3.6% in 2016, -3.8% in 2015 and 0.1% in 2014.

*Political instability may adversely affect our business and results of operations and the price of our shares.*

Brazil's political environment has historically influenced, and continues to influence, the performance of the country's economy. Political crises have affected and continue to affect investor confidence and of the general public, which resulted in economic deceleration and heightened volatility in the securities issued by Brazilian companies.

Currently, Brazilian markets are experiencing heightened volatility due to the uncertainties derived from the ongoing Lava Jato investigation, being conducted by the Office of the Brazilian Federal Prosecutor, and its impact on the Brazilian economy and political environment. Members of the Brazilian federal government and of the legislative branch, as well as senior officers of large state-owned companies have faced allegations of political corruption, since they have allegedly accepted bribes by means of kickbacks



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on contracts granted by the government to several infrastructure, oil and gas and construction companies. The profits of these kickbacks allegedly financed the political campaigns of political parties of the current federal government coalition that were unaccounted for or not publicly disclosed, as well as served to personal enrichment of the recipients of the bribery scheme.

The potential outcome of these investigations is uncertain, but they have already had an adverse impact on the image and reputation of the implicated companies, and on the general market perception of the Brazilian economy. We cannot predict whether such allegations will lead to further political and economic instability or whether new allegations against government officials will arise in the future. In addition, we cannot predict the outcome of any such allegations nor their effect on the Brazilian economy.

The development of such cases could adversely affect our business, financial condition and results of operations.

***Inflation and government actions to combat inflation may contribute significantly to economic uncertainty in Brazil and could adversely affect the Company's business.***

If Brazil experiences high levels of inflation once again, the country's rate of economic growth could slow, which would lead to lower demand for the Company's products in Brazil. Inflation is also likely to increase some costs and expenses which the Company may not be able to pass on to its customers and, as a result, may reduce its profit margins and net income. In addition, high inflation generally leads to higher domestic interest rates, which could lead the cost of servicing the Company's debt denominated in Brazilian *reais* to increase. Inflation may also hinder its access to capital markets, which could adversely affect its ability to refinance debt. Inflationary pressures may also lead to the imposition of additional government policies to combat inflation that could adversely affect our business. As a result, the Company's financial condition and results of operations may be adversely affected.

***Variations in the foreign exchange rates between the U.S. dollar and the currencies of countries in which the Company operates may increase the cost of servicing its debt denominated in foreign currency and adversely affect its overall financial performance.***

The Company's results of operations are affected by fluctuations in the foreign exchange rates between the Brazilian *real*, the currency in which the Company prepares its financial statements, and the currencies of the countries in which it operates.

For example, the North America Business Division reports its results in U.S. dollars. Therefore, fluctuations in the exchange rate between the U.S. dollar and the Brazilian *real* could affect its results of operations. The same occurs with all other businesses located outside Brazil with respect to the exchange rate between the local currency of the respective subsidiary and the Brazilian *real*.

Export revenue and margins are also affected by fluctuations in the exchange rate of the U.S. dollar and other local currencies of the countries where the Company produces in relation to the Brazilian *real*. The Company's production costs are denominated in local currency but its export sales are generally denominated in U.S. dollars. Revenues generated by exports denominated in U.S. dollars are reduced when they are translated into Brazilian *real* in periods during which the Brazilian currency appreciates in relation to the U.S. dollar.



The Brazilian *real* depreciated against the U.S. dollar by 13.4% in 2014 and 47.0% in 2015 and appreciated by 16.5% in 2016.

The Company held debt denominated in foreign currency, mainly U.S. dollars, in an aggregate amount of R\$ 16.5 billion at December 31, 2016, representing 80.1% of its consolidated gross debt (loans, financings, and debentures). Significant further depreciation in the Brazilian real in relation to the U.S. dollar or other currencies could reduce the Company's ability to service its obligations denominated in foreign currencies, particularly since a significant part of its net sales revenue is denominated in Brazilian reais. As a result, the Company's financial condition and results of operations may be adversely affected.

*Demand for steel is cyclical and a reduction in prevailing world prices for steel could adversely affect Company's results of operations.*

The steel industry is highly cyclical. Consequently, Company is exposed to substantial swings in the demand for steel products, which in turn causes volatility in the prices of most of its products and eventually could cause write-downs of its inventories. In addition, the demand for steel products, and hence the financial condition and results of operations of companies in the steel industry, including the Company itself, are generally affected by macroeconomic changes in the world economy and in the domestic economies of steel-producing countries, including general trends in the steel, construction and automotive industries. Since 2003, demand for steel products from developing countries (particularly China), the strong euro compared to U.S. dollar and world economic growth have contributed to a historically high level of prices for Company's steel products. However, since the second half of 2008, and especially in the beginning of 2009, the U.S. and European economies experienced a significant slowdown, in turn affecting many other countries. Slow growth in steel consumption was not accompanied by a corresponding slowdown in capacity expansion over the last few years, resulting in an even greater excess of global steel capacity. Since then, the price has experienced a

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high volatility. A material decrease in demand for steel or exports by countries not able to consume their production could have a significant adverse effect on the Company's financial condition and results of operations.

***Gerdau faces significant competition in relation to their steel products, including with regard to prices of other domestic and foreign producers, which may adversely affect its profitability and market share.***

The global steel industry is highly competitive with respect to price, quality of products and customer service, as well as in relation to technological advances that allow the reduction of production costs. Brazilian exports of steel products is influenced by several factors, including protectionist policies of other countries, foreign exchange policy of the Brazilian government and growth rate of the world economy. Moreover, continuous advances in material sciences and the resulting technologies facilitate the improvement of products such as plastic, aluminum, ceramics and glass, allowing them to replace steel.

Due to the high initial investment costs, the operation of a steel plant on a continuous basis may encourage mill operators to maintain high production levels, even in periods of low demand, which would increase the pressure on industry profit margins. A competitive pressure that forces the fall in steel prices can also affect the profitability of Gerdau.

The steel industry has historically suffered from excess production capacity, which has recently worsened due to a substantial increase in production capacity in emerging countries, particularly China and India and other emerging markets. China is currently the largest global steel producer. In addition, China and certain steel exporting countries have favorable conditions (excess steel capacity, devalued currency or high market prices for steel products in markets outside these countries) which may significantly impact the price of steel in other markets. If Gerdau is unable to remain competitive with China and other steel-producing countries, its financial condition and results of operations may be adversely affected in the future.

***An increase in China's steelmaking capacity or a slowdown in China's steel consumption could have a material adverse effect on domestic and global steel pricing and could result in increased steel imports into the markets in which Company operates.***

One significant factor in the global steel market has been China's high steel production capacity, which has been exceeding its domestic consumption needs. This has made China a net exporter of steel products, increasing its importance in different countries of the transoceanic market and consequently pushing down international steel prices. Moreover, China's lower growth rate has resulted in a slower pace of steel consumption in the country, consequently reducing demand for imported raw materials, which too puts pressure on global commodity prices. Any intensification of these factors could adversely affect Company's exports, results of operations and financial condition.

***Restrictive measures on trade in steel products may affect Company's business by increasing the price of its products or reducing its ability to export.***

Gerdau is a steel producer that supplies both the domestic market in Brazil and a number of international markets. Company's exports face competition from other steel producers, as well as restrictions imposed by importing countries in the form of quotas, ad valorem taxes, tariffs or

increases in import duties, any of which could increase the costs of products and make them less competitive or prevent Gerdau from selling in these markets. There are no assurances that importing countries will not impose quotas, ad valorem taxes, tariffs or increase import duties, which could adversely affect the Company's financial condition and results of operations.

*Costs related to compliance with environmental regulations could increase if requirements become stricter, which could have a negative effect on the Company's results of operations.*

The Company's industrial units and other activities must comply with a series of federal, state and municipal laws and regulations regarding the environment and the operation of plants in the countries in which they operate. These regulations include procedures relating to control of air emissions, disposal of liquid effluents and the handling, processing, storage, disposal and reuse of solid waste, hazardous or not, as well as other controls necessary for a steel company.

Non-compliance with environmental laws and regulations could result in administrative or criminal sanctions and closure orders, in addition to the obligation of repairing damage caused to third parties and the environment, such as clean-up of contamination. If current and future laws become stricter, spending on fixed assets and costs to comply with legislation could increase and negatively affect the Company's financial situation. Moreover, future acquisitions could subject the Company to additional spending and costs in order to comply with environmental legislation. As a result, the Company's financial condition and results of operations may be adversely affected.

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***Laws and regulations to reduce greenhouse gases and other atmospheric emissions could be enacted in the near future, with significant, adverse effects on the results of the Company's operations, cash flows and financial situation.***

One of the possible effects of the expansion of greenhouse gas reduction requirements is an increase in costs, mainly resulting from the demand for renewable energy and the implementation of new technologies in the productive chain. On the other hand, demand is expected to grow constantly for recyclable materials such as steel, which, being a product that could be recycled numerous times without losing its properties, results in lower emissions during the lifecycle of the product.

The Company expects operations overseas to be affected by future federal, state and municipal laws related to climate change, seeking to deal with the question of greenhouse gas (GHG) and other atmospheric emissions. Thus, one of the possible effects of this increase in legal requirements could be an increase in energy costs. As a result, the Company's financial condition and results of operations may be adversely affected.

***Layoffs in the Company's labor force could generate costs or negatively affect the Company's operations.***

A substantial number of our employees are represented by labor unions and are covered by collective bargaining or other labor agreements, which are subject to periodic negotiation. Strikes or work stoppages have occurred in the past and could reoccur in connection with negotiations of new labor agreements or during other periods for other reasons, including the risk of layoffs during a down cycle that could generate severance costs. Moreover, Company could be adversely affected by labor disruptions involving unrelated parties that may provide goods or services to the Company. Strikes and other labor disruptions at any of the Company operations could adversely affect the operation of facilities and the timing of completion and the cost of capital of our projects.

***Our operations expose us to risks and challenges associated with conducting business in compliance with applicable anti-bribery anti-corruption and antitrust laws and regulations.***

We have operations in Brazil and other countries in South America, North America, Europe, and Asia. We face several risks and challenges inherent in conducting business internationally, where we are subject to a wide range of laws and regulations such as the Brazilian Anti-Corruption Law (Law 12.846/2013), Antitrust Law (Law 12.529/2011), the U.S. Foreign Corrupt Practices Act, or FCPA, and similar anti-bribery, anti-corruption and antitrust laws in other jurisdictions. In recent years there has been an increased focus on corruption in Brazil and also the investigation and enforcement activities of the United States under the FCPA and by other governments under similar laws and regulations. These laws generally prohibit corrupt payments to governmental officials and certain payments, gifts or remunerations to or from clients and suppliers.

Violations of these laws and regulations could result in fines, criminal penalties and/or other sanctions against us, our officers or our employees, requirements to impose more stringent compliance programs, and prohibitions on the conduct of our business and our ability to participate in public biddings for contracts. We may incur expenses and recognize provisions and other charges in respect of such matters. In addition, the increased attention focused upon liability issues as a result of investigations, lawsuits and regulatory proceedings could harm our brand or otherwise impact the growth of our business. The retention and renewal of many of our contracts depends on creating a sense of trust with our customers and any violation of these laws and regulations may irreparably erode that trust and may lead to termination of such relationships and

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have a material adverse effect on our financial condition and results of operations. If any of these risks materialize, our reputation, strategy, international expansion efforts and our ability to attract and retain employees could be negatively impacted, and, consequently our business, financial condition and results of operations could be adversely affected.

In March 2015, it was reported in the press that the Brazilian Federal Police had started an operation called Zelotes ( Operation ), to investigate whether a number of corporate taxpayers attempted to influence the decisions of the Administrative Board of Tax Appeals (CARF) through illegal means. On April 6, 2015, the Company received an inquiry from the CVM requesting clarifications regarding news reports linking the Company to the Operation. The Company clarified that, up to that moment, it had not been contacted by any public authority concerning the Operation.

Considering the involvement of Gerdau's name in press reports concerning the Operation, the Board of Directors decided to engage an external legal, which would report to a Special Committee of the Board, to conduct an investigation.

On February 25, 2016, the Federal Police came to Gerdau's premises to execute court ordered searches and seizures, taking documents and data for examination. The Federal Police also interviewed certain individuals associated with Gerdau, including its Chief Executive Officer and another current Board member. On that same date, filing a press release with SEC and CVM, the Company informed Bovespa and the New York Stock Exchange (NYSE). The internal investigation is ongoing, and the Company is cooperating with the Federal Police. See Notes 17 to the Consolidated Financial Statements (Tax, Civil and Labor Claims and Contingent Assets) for further information.

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Although the Company does not presently believe that these matters will have a material adverse effect on its business, given the inherent uncertainties in such situations, the Company can provide no assurance that these matters will not be material to its business in the future.

*Developments and the perception of risks in other countries, especially in the United States and emerging market countries, may adversely affect the market prices of our shares.*

The market for securities issued by Brazilian companies is influenced, to varying degrees, by economic and market conditions in the United States and emerging market countries, especially other Latin American countries. The reaction of investors to economic developments in one country may cause the capital markets in other countries to fluctuate. Developments or adverse economic conditions in other emerging market countries have at times resulted in significant reductions of the investments from investment funds and declines in the amount of foreign currency invested in Brazil.

The Brazilian economy is also affected by international economic and market conditions, especially economic and market conditions in the United States. Share prices on the BM&FBOVESPA, for example, have historically been sensitive to fluctuations in United States interest rates as well as movements of the major United States stocks indexes.

Economic developments in other countries and securities markets could adversely affect the market prices of our shares, which could make it more difficult for us to access the capital markets and finance our operations in the future on acceptable terms, and could also have a material adverse effect on our financial condition and results of operations.

**ITEM 4. COMPANY INFORMATION**

**A. HISTORY AND DEVELOPMENT OF THE COMPANY**

Gerdau S.A. is a Brazilian corporation (*Sociedade Anônima*) that was incorporated on November 20, 1961 under the laws of Brazil. Its main registered office is located at Av. Farrapos, 1811, Porto Alegre, Rio Grande do Sul, Brazil, and the telephone number is +55 (51) 3323 2000.

**History**

The current Company is the product of a number of corporate acquisitions, mergers and other transactions dating back to 1901. The Company began operating in 1901 as the Pontas de Paris nail factory controlled by the Gerdau family based in Porto Alegre, who is still the Company's indirect controlling shareholder. In 1969, Pontas de Paris was renamed Metalúrgica Gerdau S.A., which today is the holding company controlled by the Gerdau family and the parent company of Gerdau S.A.

From 1901 to 1969, the Pontas de Paris nail factory grew and expanded its business into a variety of steel-related products and services. At the end of World War II, the Company acquired Siderúrgica Riograndense S.A., a steel producer also located in Porto Alegre, in an effort to broaden its activities and provide it with greater access to raw materials. In February 1948, the Company initiated its steel operations, which foreshadowed the successful mini-mill model of producing steel in electric arc furnaces using steel scrap as the main raw material. At that time the Company adopted a regional sales strategy to ensure more competitive operating costs. In 1957, the Company installed a second unit in the state of Rio Grande do Sul in the city of Sapucaia do Sul, and in 1962, steady growth in the production of nails led to the construction of a larger and more advanced factory in Passo Fundo, also in Rio Grande do Sul.

In 1967, the Company expanded into the Brazilian state of São Paulo, purchasing Fábrica de Arames São Judas Tadeu, a producer of nails and wires, which was later renamed Comercial Gerdau and ultimately became the Company's Brazilian distribution channel for steel products. In June 1969, the Company expanded into the Northeast of Brazil, producing long steel at Siderúrgica Açonorte in the state of Pernambuco. In December 1971, the Company acquired control of Siderúrgica Guaíra, a long steel producer in the state of Paraná in Brazil's South Region. The Company also established a new company, Seiva S.A. Florestas e Indústrias, to produce lumber on a sustainable basis for the furniture, pulp and steel industries. In 1979, the Company acquired control of the Cosigua mill in Rio de Janeiro, which currently operates the largest mini-mill in Latin America. Since then, the Company has expanded throughout Brazil with a series of acquisitions and new operations, and today owns 10 steel units in Brazil.

In 1980, the Company began to expand internationally with the acquisition of Gerdau Laisa S.A., the only long steel producer in Uruguay. In 1989, the Company acquired the Canadian company Gerdau Ameristeel Cambridge, a producer of common long rolled steel products located in Cambridge, Ontario. In 1992, the Company acquired control of Gerdau AZA S.A., a producer of crude steel and long rolled products in Chile. Over time, the Company increased its international presence by acquiring a non-controlling interest in a rolling mill in Argentina, a controlling interest in Diaco S.A. in Colombia, and, most notably, additional interests in North

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America through the acquisition of Gerdau Ameristeel MRM Special Sections, a producer of special sections such as elevator guide rails and super light beams, and the former Ameristeel Corp., a producer of common long rolled products. In 2002, through a series of transactions, the Company merged its North American steel production assets with those of the Canadian company Co-Steel, a producer of long steel, to create Gerdau Ameristeel, which is currently the second largest long steel producer in North America based on steel production volume. Gerdau Ameristeel has 17 steel units and fabrication shops and downstream operations.

In December 2003, Gerdau Açominas S.A., signed a purchase agreement with the Votorantim Group. Under this contract, Gerdau Açominas S.A. has agreed to purchase the real estate and mining rights of Companhia Paraibuna de Metais, a company controlled by Votorantim Group, whose mines were located at Miguel Burnier, Várzea do Lopes and Gongo Soco in the state of Minas Gerais. The assets involved in this transaction include 15 extraction concessions, located in a total area of 7,000 hectares. The original mining and steelworks facilities included in the aforementioned acquisition were decommissioned at that time. The price agreed upon for the purchase of the real estate and mineral rights described above was US\$ 30 million (R\$88.1 million on the date of the acquisition), with US\$ 7.5 million paid at the signing of the agreement, 25% upon completion of the due diligence process and the remaining 50% in June of 2004. In 2012, Gerdau guaranteed its iron ore self-sufficiency for the integrated mill (Ouro Branco).

In September 2005, Gerdau acquired 36% of the stock issued by Sipar Aceros S.A., a long steel rolling mill, located in the Province of Santa Fé, Argentina. This interest, added to the 38% already owned by Gerdau represents 74% of the capital stock of Sipar Aceros S.A. In the same month, Gerdau concluded the acquisition of a 57% interest in Diaco S.A., the largest rebar manufacturer in Colombia. In January 2008, Gerdau acquired an additional interest of 40% for US\$107.2 million (R\$188.7 million on the acquisition date), increasing its interest to 99% of the capital stock, a figure that also takes into consideration the dilution of non-controlling interests, which explains the higher Gerdau share compared with the share in the two major acquisitions made.

In January 2006, through its subsidiary Gerdau Hungria Holdings Limited Liability Company, Gerdau acquired 40% of the capital stock of Corporación Sidenor S.A. for US\$ 219.2 million (R\$ 493.2 million on the acquisition date). In December 2008, Gerdau Hungria Holding Limited Liability Company acquired for US\$ 288.0 million (R\$ 674.0 million on the acquisition date) a 20% interest in Corporación Sidenor S.A. With this acquisition, Gerdau became the majority shareholder (60%) in Corporación Sidenor. In January 2013, as a result of the settlement of a put option held by the Santander Group, the Company acquired the remaining 40% of Corporación Sidenor S.A., for R\$ 599.2 million and owned 100% of the capital stock. In May 2016, the Company closed the sale of Gerdau Holdings Europa S.A. in Spain (the subsidiary which held Corporación Sidenor S.A.). The transaction value was 155 million (equivalent to R\$ 621 million on the completion of the sale), with the possibility of receiving up to an additional 45 million (equivalent to R\$ 180 million) within five years, depending on future business performance.

In June 2006, Gerdau won the bid for 50% plus one share of the capital stock of Empresa Siderúrgica Del Perú S.A.A. (Siderperú) located in the city of Chimbote in Peru for US\$ 60.6 million (R\$ 134.9 million on the acquisition date). In November 2006, Gerdau also won the bid for 324,327,847 shares issued by Siderperú, which represented 33% of the total capital stock, for US\$ 40.5 million, totaling US\$ 101.1 million (R\$ 219.8 million on the acquisition date). This acquisition added to the interest already acquired earlier in the year, for an interest of 83% of the capital stock of Siderperú.

In March 2007, Gerdau acquired Siderúrgica Tultitlán, a mini mill located in the Mexico City that produces rebar and profiles. The price paid for the acquisition was US\$ 259.0 million (R\$ 536.0 million on the acquisition date).



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In May 2007, Gerdau acquired an interest of 30% in Multisteel Business Holdings Corp., a holding of Industrias Nacionales, C. por A. ( INCA ), a company located in Santo Domingo, Dominican Republic, that produces rolled products. This partnership allowed Gerdau to access the Caribbean market. The total cost of the acquisition was US\$ 42.9 million (R\$ 82.0 million on the acquisition date). In July 2007, Gerdau acquired an additional interest of 19% in Multisteel Business Holdings Corp., bringing its total interest in the Company to 49%. The total cost of this second acquisition was US\$ 72.0 million (R\$ 135.2 million on the acquisition date). In October, 2014, Gerdau and Complejo Metalúrgico Dominicano S.A. confirmed the merger of operations of its companies Industrias Nacionales and METALDOM, becoming denominated Gerdau Metaldom. This merger is aimed at more efficiency and competitiveness in the Caribbean and Central America region and assures the supply of steel products for construction sector in the Dominican Republic.

In June 2007, Gerdau acquired 100% of the capital stock of Siderúrgica Zuliana C.A., a Venezuelan company operating a steel mill in the city of Ojeda, Venezuela. The total cost of the acquisition was US\$ 92.5 million (R\$ 176.2 million on the acquisition date).

In the same month, Gerdau and the Kalyani Group from India initiated an agreement to establish a jointly controlled entity for an investment in Tadipatri, India. The jointly controlled entity included an interest of 45% in Kalyani Gerdau Steel Ltd. The agreement provides for shared control of the jointly controlled entity, and the purchase price was US\$ 73.0 million (R\$ 127.3 million on the acquisition date). In May 2008, Gerdau announced the conclusion of this acquisition. On July 7, 2012, the Company obtained

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control of Kalyani Gerdau Steel Ltda (KGS), which the Company had an interest of 91.28% as of the control acquisition date. In 2012, until the date Gerdau acquired control over KGS, Gerdau made capital increases in KGS, which resulted in an increase of shareholding interest, going from 80.57% in December 31, 2011 to 91.28%.

In September 2007, Gerdau concluded the acquisition of Chaparral Steel Company, increasing Gerdau's portfolio of products and including a comprehensive line of structural steel products. The total cost of the acquisition was US\$ 4.2 billion (R\$ 7.8 billion on the acquisition date), plus the assumption of certain liabilities.

In October 2007, Gerdau executed a letter of intent for the acquisition of an interest of 49% in the capital stock of the holding company Corsa Controladora, S.A. de C.V., headquartered in Mexico City, Mexico. The holding company owns 100% of the capital stock of Aceros Corsa, S.A. de C.V. and its distributors. Aceros Corsa, located in the city of Tlalnepantla in the Mexico City metropolitan area, is a mini-mill responsible for the production of long steel (light commercial profiles). The acquisition price was US\$ 110.7 million (R\$ 186.3 million on the acquisition date). In February 2008, the Company announced the conclusion of this acquisition.

In November 2007, Gerdau entered into a binding agreement for the acquisition of the steel company MacSteel from Quanex Corporation. MacSteel is the second largest producer of Special Bar Quality (SBQ) in the United States and operates three mini-mills located in Jackson, Michigan; Monroe, Michigan; and Fort Smith, Arkansas. The Company also operates six downstream operations in the states of Michigan, Ohio, Indiana and Wisconsin. The agreement did not include the Building Products business of Quanex, which is an operation not related to the steel market. The purchase price for this acquisition was US\$1.5 billion (R\$2.4 billion on the acquisition date) in addition to the assumption of their debts and some liabilities. Gerdau concluded the acquisition in April 2008.

In February 2008, Gerdau invested in the verticalization of its businesses and acquired an interest of 51% in Cleary Holdings Corp. for US\$ 73.0 million (R\$ 119.3 million on the acquisition date). The Company controlled a metallurgical coke producer and coking coal reserves in Colombia. In August 2010, Gerdau S.A. concluded the acquisition of an additional 49% of the total capital of Cleary Holdings Corp. for US\$ 57 million. In December 2016, the Company sold Cleary Holdings Corp. for US\$ 30.2 million (equivalent to R\$ 102.6 million on the sale date).

In April 2008, Gerdau entered into a strategic partnership with Corporación Centroamericana del Acero S.A., assuming a 30.0% interest in the capital of this company. The Company owns assets in Guatemala and Honduras as well as distribution centers in El Salvador, Nicaragua and Belize. The price of the acquisition was US\$ 180 million (R\$ 303.7 million on the acquisition date). In November 2016, the Company sold its stake in Corporación Centroamericana del Acero S.A. for US\$ 70 million (equivalent to R\$ 222.7 million on the sale date).

In June, 2008, the parent company Metalúrgica Gerdau S.A. acquired a 29% stake of voting and total capital in Aços Villares S.A. from BNDESPAR for R\$ 1.3 billion. As a payment, Metalúrgica Gerdau S.A. issued debentures to be exchanged for Gerdau S.A.'s common shares. In December, 2009 the Company's stake in Aços Villares S.A. owned through its subsidiary Corporación Sidenor S.A. was transferred to direct control of Gerdau S.A., for US\$ 218 million (R\$ 384 million on the acquisition date), which then owned a total 59% stake in Aços Villares S.A. In December 30, 2010, Gerdau S.A. and Aços Villares S.A. shareholders approved the merger into Gerdau S.A. of Aços Villares S.A. The transaction was carried out through a share exchange, whereby the shareholders of Aços Villares S.A. received one share in Gerdau S.A. for each lot of twenty-four shares held. The new shares were credited on February 10, 2011. As a result of the transaction, Aços Villares S.A. was delisted from the Brazilian stock exchange. Following the issuance of new shares under the merger, on February 28, 2011, the capital stock of Gerdau S.A. was represented by 505,600,573 common shares and 1,011,201,145 preferred shares.

On August 30, 2010, Gerdau S.A. concluded the acquisition of all outstanding common shares issued by Gerdau Ameristeel that it did not yet hold either directly or indirectly, for US\$ 11.00 per share in cash, corresponding to a total of US\$ 1.6 billion (R\$ 2.8 billion). With the acquisition, Gerdau Ameristeel was delisted from the New York and Toronto stock exchanges.

On October 8, 2014, the Company concluded the sale of its 50% interest in its jointly controlled entity Gallatin Steel Company (Gallatin) to Nucor Corporation for R\$ 937.8 million. The gain on the sale of this interest of R\$ 636,528, before taxes was recognized in the income statement during the fourth quarter of 2014.

On July 14, 2015 the Company approved the acquisition of the minority interests described below, in the following companies: Gerdau Aços Longos S.A. (4.77%), Gerdau Açominas S.A. (3.50%), Gerdau Aços Especiais S.A. (2.39%) and Gerdau América Latina Participações S.A. (4.90%), with its counterparts Itaú Unibanco S.A. and ArcelorMittal Netherlands BV. The acquisitions of these interests, in a total amount of R\$1,986 million, allowed Gerdau to hold more than 99% of the total capital of each of the subsidiaries. On August 10, 2015, the CVM requested clarification from Gerdau and the Company, referring to the statements of a shareholder concerning the transaction for the acquisition of minority stakes in subsidiaries by Gerdau. The shareholder alleged a

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potential conflict of interest in the transaction. In response, the Company has identified to the CVM that the referenced acquisition had exclusively commercial merits, was properly and unanimously approved by the Board of Directors of Gerdau and that the terms and conditions for the acquisition took into account a long term market perspective.

## B. BUSINESS OVERVIEW

### Steel Industry

The world steel industry is composed of hundreds of steel producing facilities and is divided into two major categories based on the production method utilized: integrated steel mills and non-integrated steel mills, sometimes referred to as mini-mills. Integrated steel mills normally produce steel from iron oxide, which is extracted from iron ore melted in blast furnaces, and refine the iron into steel, mainly through the use of basic oxygen furnaces or, more rarely, electric arc furnaces. Non-integrated steel mills produce steel by melting in electric arc furnaces scrap steel, which occasionally is complemented by other metals such as direct-reduced iron or hot-compressed iron. According to World Steel, in 2015 (last information available), 25.1% of the total crude steel production in the world was through mini-mill process and the remaining 74.9% was through the integrated process.

### Crude Steel Production by Process in 2015\*

Blast Furnace	Crude Steel Production (in million tonnes)	Production by Process (%)	
		Mini-mill	Country
<b>World</b>	<b>1,617</b>	<b>25.1%</b>	<b>74.9</b>
China	804	6.1%	93.9
Japan	105	22.9%	77.1
India	89	57.3%	42.7
U.S.A.	79	62.7%	37.3
Russia	71	29.0%	71.0
S. Korea	70	30.4%	69.6
Germany	43	29.6%	70.4
Brazil	33	19.9%	80.1
Ukraine	23	5.6%	94.4

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Source: Worldsteel/World Steel In Figures

\*Last information available

Over the past 15 years, according to worldsteel, total annual crude steel production has grown from 904 million tonnes in 2002 to 1,628.5 million tonnes in 2016, for an average annual increase of 4.3%.

The main factor responsible for the increase in the demand for steel products has been China. Since 1993, China has become the world's largest steel market and currently consumes as much as the United States and Europe combined.

Over the past year, total annual crude steel production increased by 0.8% from 1,615.4 million tonnes in 2015 to 1,628.5 million tonnes in 2016, with a 7.0% increase in Middle East and 1.6% in Asia.

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**Crude Steel Production (in million tonnes)**

Source: worldsteel/monthly statistics

China is rebalancing its economy to move more towards a consumer-driven economy. GDP growth was aligned with the government expectation and despite the injection of credit into the construction and infrastructure sectors, the country showed a reduction in steel consumption for the third year in a row. In 2016, China's crude steel production was 808.4 million tonnes, an increase of 1.2% compared to 2015. In 2016, China's share of world steel production was 49.6% of world total crude steel.

**Crude Steel Production by Country in 2016 (million tonnes)**

Source: worldsteel/monthly statistics

Asia produced 1,106.3 million tonnes of crude steel in 2016, an increase of 1.4% compared to 2015, and its share of world steel production amounted to 69.0%. Japan produced 104.8 million tonnes in 2016, a decrease of 0.3% compared to 2015. India's crude steel production was 95.6 million tonnes in 2016, an increase of 7.4% compared to 2015. South Korea's production was 68.6 million tonnes in 2016, a decrease of 1.6% compared to 2015.

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The EU-28 produced 162.3 million tonnes of crude steel in 2016, a decrease of 2.3% compared to 2015. The United Kingdom showed a decrease of 30.9% compared to 2015, producing 7.6 million tonnes in 2016, while Germany production fell slightly when compared to the year 2015, produced 42.1 million tonnes in 2016.

In 2016, crude steel production in North America was stable at 111.0 million tonnes compared to 2015. The United States produced 78.6 million tonnes of crude steel, a decrease of 0.3% compared to 2015.

The CIS showed a crude steel production increase of 0.8% in 2016. Russia produced 70.8 million tonnes of crude steel, same level of 2015, while Ukraine recorded an increase of 5.5%, with year-end production figures of 24.2 million tonnes.

***The Brazilian Steel Industry***

In 2016, Brazil was the world's 9th largest producer of crude steel, with a production of 30.2 million tonnes, a 1.9% share of the world market and 51.5% of the total steel production in Latin America during the year.

Total sales of Brazilian steel products were 30.2 million tonnes in 2016, 33.3 million tonnes in 2015 and 33.9 million tonnes in 2014, exceeding domestic demand of 18.2 million tonnes in 2016, 21.3 million tonnes in 2015 and 25.6 million in 2014. In 2016, total steel sales in the domestic market decreased 9.1% from 2015, going from 18.2 million tonnes to 16.5 million tonnes.

In 2016, the total of Brazilian steel products sales was 29.0 million tonnes. The breakdown of total sales was 66.2% or 19.2 million tonnes of flat steel products, formed by domestic sales of 9.6 million tonnes and exports of 9.6 million tonnes. The remaining 33.8% or 9.8 million tonnes represented sales of long steel products, which consisted of domestic sales of 6.9 million tonnes and exports of 2.8 million tonnes.

**Breakdown of Total Sales of Brazilian Steel Products (million tonnes)**



Source: Instituto Aço Brasil

*Domestic demand* - Historically, the Brazilian steel industry has been affected by significant variations in domestic steel demand. Although domestic consumption varies in accordance with Gross Domestic Product (GDP), variations in steel consumption tend to be more accentuated than changes in the level of economic growth. In 2016, the Brazilian GDP decreased by 3.6% and steel consumption declined by 14.4%.

*Exports and imports* Over the past 20 years, the Brazilian steel industry has been characterized by a structural need for exports. The Brazilian steel market has undergone periods of excess capacity, cyclical demand and intense competition in recent years. Demand for finished steel products has lagged total supply (total production plus imports).

In 2016, Brazilian steel exports totaled 13.4 million tonnes, representing 44.8% of total sales (domestic sales plus exports). Brazil has performed an important role in the world export market, principally as an exporter of semi-finished products (slabs, blooms and billets) for industrial use or for re-rolling into finished products. Brazilian exports of semi-finished products totaled 8.4 million tonnes in 2016, 8.7 million tonnes in 2015 and 6.3 million tonnes in 2014, representing 62.9%, 63.5% and 64.4% of Brazil's total exports of steel products, respectively.

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*Brazilian Production and Apparent Demand for Steel Products (million tonnes)*

Source: Instituto Aço Brasil

Brazil used to be a small importer of steel products. Considering the reduction in the international steel prices during 2010, the appreciation of the Brazilian *real* against the U.S. dollar and the decrease in demand for steel products in developed countries, the Brazilian levels of imports increased from 2.3 million tonnes in 2009 to 5.9 million tonnes in 2010 (excluding the imports made by the steel mills to avoid double counting), representing 22.0% of apparent domestic consumption. In 2014, imports were 4.0 million tonnes, decreased to 3.2 million tonnes in 2015 and 1.9 million tonnes in 2016. In 2016, imports represented 9.3% of apparent domestic consumption, a reduction compared to 2015, which was mainly due to lower prices in the domestic market compared to the international market.

*Raw materials* - One of Brazil's major competitive advantages is the low cost of its raw materials. Brazil has an abundance of high quality iron ore. Various integrated producers are located in the state of Minas Gerais, where some of the world's biggest iron ore mines are located. The cost of iron ore from small miners in Brazil is very competitive if compared to the cost of iron ore in China, for example.

In Brazil, most of the scrap metal consumed by steel mills comes from Brazil's Southeast and South regions. Mill suppliers deliver scrap metal obtained from obsolete products and industrial scrap directly to the steel mills.

Brazil is a major producer of pig iron. Most of the pig iron used in the steel industry comes from the state of Minas Gerais and the Carajás region, where it is produced by various small and mid-sized producers. The price of pig iron follows domestic and international markets, with charcoal and iron ore the main components of its cost formation.

*North American Steel Industry*

The global steel industry is highly cyclical and competitive due to the large number of steel producers, the dependence upon cyclical end markets and the high volatility of raw material and energy prices. The North American steel industry is currently facing a variety of challenges, including volatile pricing, high fixed costs and low priced imports. The future success of North American steel producers is dependent upon numerous factors, including general economic conditions, levels and prices of steel imports and the strength of the U.S. dollar.

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*Crude Steel Production by North American Countries (million tonnes)*

Source: worldsteel/monthly statistics

Beginning in mid-2000 and continuing through 2002, the North American steel industry experienced a severe downward cycle due to excess global production capacity, high import levels at low prices, including prices that were below the combined costs of production and shipping, and weak general economic conditions. These forces resulted in lower domestic steel prices and significant domestic capacity closures. Prices for many steel products reached 10-year lows in late 2001. As a result of these conditions, over 20 U.S. steel companies sought protection under Chapter 11 of the United States Bankruptcy Code since the beginning of 2000.

In response to these conditions, in March 2002, Former President Bush imposed a series of tariffs and quotas on certain imported steel products under Section 201 of the Trade Act of 1974. These measures were intended to give the domestic steel industry an opportunity to strengthen its competitive position through restructuring and consolidation. On November 10, 2003, the World Trade Organization ( WTO ) Appellate Body issued a ruling that upheld an initial WTO panel ruling that declared the Section 201 tariffs on steel imports to be in violation of WTO rules concerning safeguard measures. On December 4, 2003, Former President Bush signed a proclamation terminating the steel safeguard tariffs, and announced that the tariffs had achieved their purpose and changed economic circumstances indicated it was time to terminate them. International trade negotiations, such as the ongoing Organization for Economic Cooperation and Development steel subsidy agreement negotiations and the WTO Doha Round negotiations, may affect future international trade rules with respect to trade in steel products.

The North American steel industry has experienced a significant amount of consolidation in the last decade. Bankrupt steel companies, once overburdened with underfunded pension, healthcare and other legacy costs, were relieved of obligations and purchased by other steel producers. This consolidation, including the purchases of the assets of LTV Corporation, Bethlehem Steel Corporation, Trico Steel Co. LLC and National Steel Corporation, has created a lower operating cost structure for the resulting entities and a less fragmented industry. In the bar sector in 2002, the combination of Gerdau North America and Co-Steel in October 2002 and Nucor Corporation's acquisition of Birmingham Steel Corporation in February 2002 significantly consolidated the market. Gerdau's acquisition of the North Star Steel assets from Cargill in November 2004,

Sheffield Steel Corporation in 2006 and Chaparral Steel Company in September 2007, have further contributed to this consolidation trend. Since the beginning of 2007, Tata Iron and Steel Co. Ltd. acquired Corus Group PLC, SSAB Svenskt Staal AB acquired Ipsco Inc., Essar Global Ltd. acquired Algoma Steel Inc., United States Steel Corporation acquired Stelco Inc., and Arcelormittal Inc. acquired Bayou Steel Corporation.

The steel industry demonstrated strong performance through the middle of 2006, resulting from the increased global demand for steel related products and a continuing consolidation trend among steel producers. Beginning in the fall of 2008, the steel industry began feeling the negative effects of the severe economic downturn brought on by the credit crisis. The economic downturn continued through 2009 and has resulted in a significant reduction in the production and shipment of steel products in North America, as well as reduced exports of steel products from the United States to other parts of the world. Since the beginning of 2010, the economy in North America has been showing signs of upturn, contributing to a gradual recovery in the steel industry, with an important improvement in the non-residential and automotive sector. The Company believes that this trend should continue throughout 2017.

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**Company Profile**

Gerda S.A. is mainly dedicated to the production and commercialization of steel products in general, through its mills located in Argentina, Brazil, Canada, Chile, Colombia, the United States, India, Mexico, Peru, the Dominican Republic, Uruguay and Venezuela.

Gerda is the leading manufacturer of long steel in the North and South America. Gerda believes it is one of the major global suppliers of special steel for the automotive industry. In Brazil, Gerda also produces flat steel and iron ore, activities that are expanding Gerda's product mix and the competitiveness of its operations. In addition, Gerda believes it is one of Latin America's biggest recycler and, worldwide, transforms millions of tonnes of scrap metal into steel every year, reinforcing its commitment to sustainable development in the regions where it operates. Gerda's shares are listed on the New York, São Paulo and Madrid stock exchanges.

According to information from the Brazilian Steel Institute (Instituto Aço Brasil), Gerda is Brazil's largest producer of long steel. Gerda holds significant market share in the steel industries of almost all countries where it operates and was classified by Worldsteel Association as the world's 17th largest steel producer based on its consolidated crude steel production in 2015, the year for which the last information is available.

Gerda operates steel mills that produce steel by direct iron-ore reduction (DRI) in blast furnaces and in electric arc furnaces (EAF). In Brazil it operates three integrated steel mills, including its largest mill, Ouro Branco, located in the state of Minas Gerais. Gerda currently has a total of 42 steel producing facilities globally, including jointly controlled entities and associate companies.

As of December 31, 2016, Gerda's total consolidated installed annual capacity, excluding investments in jointly controlled entities and associate companies, was approximately 25.5 million tonnes of crude steel and 22.0 million tonnes of rolled steel products. The Company had total consolidated assets of R\$ 54.6 billion, shareholders' equity (including non-controlling interests) of R\$ 24.3 billion, consolidated net sales of R\$ 37.7 billion and a total consolidated net loss (including non-controlling interests) of R\$ 2.9 billion for the period ended on December 31, 2016. After excluding the impairment of assets and results in operations with subsidiaries, associate and jointly controlled entity, which are extraordinary events, the net income for the period ended on December 31, 2016 would be R\$ 90.2 million.

Gerda offers a wide array of steel products, which can be manufactured according to the customer's specifications. The product mix includes crude steel (slabs, blooms and billets) sold to rolling mills, finished products for the construction industry such as rebars, wire rods, structural, hot rolled coils and heavy plates; finished products for consumer goods industry such as commercial bars, light shapes and mesh wire and products for farming and agriculture such as poles, smooth wire and barbed wire. Gerda also produces special steel products, normally with a certain degree of customization, utilizing advanced technology, for the manufacture of tools and machinery, chains, locks and springs, mainly for the automotive and mechanical industries.

A significant portion of Gerda's steel production assets are located outside Brazil, particularly in the United States and Canada, as well as in Latin America and Asia. Gerda began its expansion into North America in 1989, when consolidation in the global steel market effectively began. Gerda currently operates 17 steel production units in the United States, Canada and Mexico, and believes that it is one of the market leaders in North America in terms of production of certain long steel products, such as rebars, wire rods, commercial bars and beams.

Gerdau's operating strategy is based on the acquisition and/or construction of steel mills located close to its customers and sources of the raw materials required for steel production, such as scrap metal, pig iron and iron ore. For this reason, most of its production has historically been geared toward supplying the local markets in which it has production operations. However, Gerdau also exports a substantial portion of its production to other countries.

Through its subsidiaries and affiliates, Gerdau also engages in other activities related to the production and sale of steel products, including: reforestation; electric power generation projects; iron ore and pig iron production; as well as fab shops and downstream operations.

## **Operations**

The Company sells its products to a diversified list of customers for use in the construction, manufacturing and agricultural industries. Shipments by the Company's Brazilian operations include both domestic and export sales. Most of the shipments by the Company's business divisions in North and Latin America (except Brazil) are aimed at their respective local markets.

The Company manages its Business Divisions as follows:

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- **Brazil BD** (Brazil Business Division) - includes operations in Brazil (excluding Special Steel) and iron ore operation in Brazil;
- **North America BD** (North America Business Division) - includes all operations in North America (Canada, United States and Mexico), except special steels, in addition to associate and jointly-controlled entities, both of which are located in Mexico;
- **South America BD** (South America Business Division) - includes all operations in South America (Argentina, Chile, Colombia, Peru, Uruguay and Venezuela), except the operations in Brazil, in addition to the jointly-controlled entity in the Dominican Republic; and
- **Special Steel BD** (Special Steel Business Division) - includes the special steel operations in Brazil, the United States and India.

The following tables present the Company's consolidated shipments in tonnage and net sales by Business Division for the periods indicated:

Shipments

Gerdau S.A. Consolidated  
Shipments by Business  
Operations (1)  
(1,000 tonnes)

	Year ended December 31,		
	2016	2015	2014
<b>TOTAL</b>	<b>15,558</b>	<b>16,970</b>	<b>17,869</b>
Brazil	6,067	6,457	6,583
North America	5,965	6,232	6,500
South America	2,088	2,222	2,278
Special Steel	2,102	2,621	2,894
Eliminations and Adjustments	(665)	(562)	(386)

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(1) The information does not include data from associate and jointly-controlled entities.

Net Sales



**Gerdau S.A. Consolidated Net  
Sales by Business Divisions (1)**  
(R\$ million)

	Year ended December 31,		
	2016	2015	2014
<b>TOTAL</b>	<b>37,652</b>	<b>43,581</b>	<b>42,546</b>
Brazil	11,635	12,977	14,813
North America	15,431	17,312	14,640
South America	4,776	5,477	5,078
Special Steel	6,885	8,882	8,644
Eliminations and Adjustments	(1,075)	(1,067)	(629)

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(1) The information does not include data from associate and jointly-controlled entities.

***Brazil Business Division***

*Steel information*

The Brazil Operation minimizes delays by delivering its products directly to customers through outsourced companies under Gerdau's supervision. Sales trends in both the domestic and export markets are forecast monthly. Brazil Operation uses a proprietary information system to stay up-to-date on market developments so that it can respond swiftly to fluctuations in demand. Gerdau considers its flexibility in shifting between markets (Brazilian and export markets) and its ability to monitor and optimize inventory levels for most of its products in accordance with changing demand as key factors to its success.

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In the Brazil Operation, sales volume in 2016 presented a reduction (-6.0%) compared to 2015, mainly influenced by the 13.5% reduction in the domestic market demand due to a lower level of activity in the construction and industry sectors, which was partially offset by export volumes growth of 8.6% due to opportunities in the international market.

In 2016, around 15% of the production sold in Brazil was distributed through Gerdau's distribution channel, with stores throughout Brazil and downstream facilities, serving a significant number of customers. Another important distribution channel is the independent's network, formed by points of sales to which Gerdau sells its products, giving it comprehensive national coverage. Sales through its distribution network and to final industrial and construction consumers are made by Gerdau employees and authorized sales representatives working on commission. This Business Division has annual crude steel installed capacity of 9.2 million tonnes and 7.1 million tonnes of finished steel products.

*Iron Ore information*

Gerdau's mineral assets were incorporated to its business through the acquisition of lands and mining rights of Grupo Votorantim, in 2004, encompassing the Miguel Burnier, Várzea do Lopes, and Gongo Soco compounds, located in the iron producing region in the state of Minas Gerais, Brazil. From 2004 to 2010, several geological surveys (drilling and superficial geological mapping) were conducted in order to obtain further information on the acquired resources.

Gerdau is considered to be in the exploration stage. The Company is devoting substantially all of its present efforts to exploring and identifying iron mineralized material suitable for development. The properties have no reserves. Based on prior exploration, the Company believes there to be significant mineralization and intends to undertake an exploration program to prove the reserves.

The drilling campaign that the Company has already executed and intends to execute as follows:

- 2004 a 2011: 46.8 thousand meters of drilling;
- 2012 a 2015: 43.0 thousand meters of drilling;
- 2016: no drilling occurred because the Company did not obtain a specific environmental license (the Company is currently in the process of obtaining one).

Current exploration activities as well as the future mining operations planned are conducted and expect to continue to be conducted under the open pit mining modality. The purpose of the planned drilling and mineral survey program, which is now in progress, is to transform mineral resources into reserves, based on global standards and definitions, to an appropriate extent in order to support the business plan established for the future. Additionally, due to current information on the mentioned areas, and their locations within the iron producing region in the state of

Minas Gerais, Brazil, whose specific geology and similar examples of large-scale operations are extremely well-known and correlatable, this particular goal is estimated to be feasible.

***North America Business Division***

The North America Operation has annual production capacity of 10.9 million tonnes of crude steel and 9.0 million tonnes of finished steel products. It has a vertically integrated network of 17 steel units for the operation of a mini-mill (including jointly controlled entities and associate companies), scrap recycling facilities (including jointly controlled entities and associate companies), downstream operations (including three jointly controlled entities) and fabshops. North America Operation's products are generally sold to steel service centers and steel fabricators or directly to original equipment manufacturers for use in a variety of industries, including construction, automotive, mining, cellular and electrical transmission, metal construction fabrication and equipment fabrication. Most of the raw material feed stock for the mini-mill operations is recycled steel scrap.

The mills of this business division manufacture and commercialize a wide range of steel products, including steel reinforcement bars (rebar), merchant bars, structural shapes, beams, special sections and coiled wire rod. Some of these products are used by the downstream units to make products with a higher value-add, which consists of the fabrication of rebar, railroad spikes, cold drawn products, super light beam processing, elevator guide rails, grinding balls, wire mesh and wire drawing.

The downstream strategy is to have production facilities located in close proximity to customers' job sites so that quick delivery is provided to meet their reinforcing steel needs and construction schedules.

In general, sales of finished products to U.S. and Canadian customers are centrally managed by the Tampa sales office. There is also a sales office in Selkirk, Manitoba for managing sales of special sections and one in Texas for managing sales of

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structural products. Metallurgical service representatives at the mills provide technical support to the sales group. Sales of the cold drawn and super light beam products are managed by sales representatives located at their respective facilities. Fabricated rebar and elevator guide rails are generally sold through a bidding process in which employees at Gerdau's facilities work closely with customers to tailor product requirements, shipping schedules and prices.

At the North America Operation, shipments in 2016 decreased 4.3% compared to 2015, due to the increasing share of imported products in the region, even with the maintenance of good demand in the non-residential construction sector.

The North America Operation accounted for 38.3% of overall Gerdau sales volumes. Gerdau's Canadian operations sell a significant portion of their production in the United States.

***South America Business Division***

The South America Business Division comprises 6 steel facilities, retail facilities, fab shops (including jointly controlled entities and associate companies) and scrap processing facilities. The entire operation is focused on the respective domestic markets of each country, operating mini-mills facilities with annual manufacturing capacity of 2.4 million tonnes of crude steel and 2.4 million tonnes of finished steel products. The South American operation accounted for 13.4% of overall Gerdau sales volumes, representing 2.1 million tonnes in 2016, a reduction of 6.0% when compared to 2015. The main representative countries in the South America Business Division are Chile, Colombia and Peru. Gerdau also operates in the markets of Uruguay, Argentina, Dominican Republic and Venezuela.

*Chile* - Has installed capacity of 520,000 tonnes of crude steel and 530,000 tonnes of rolled steel. This unit produces rebars, merchant bars and wire rods, which are commercialized, primarily, in the domestic market. Gerdau in Chile sells its products to more than 150 clients, including distributors and end-users.

*Colombia* - The Company believes to have a market share of 23% of the Colombian common long steel market. The Company believes it to be the largest producer of steel and rebar in Colombia, selling its products through own distributors, third-party distributors and clients (end-users) in civil construction, industry and others. Colombian units have annual installed capacity of 674,000 tonnes of crude steel and 545,000 tonnes of rolled products.

*Peru* - Is one of the main steel companies in Peru, with more than 60 years of experience in this business. The company sells its products to approximately 600 clients in the construction, manufacturing and mining sectors and has more than 180 distributors. Gerdau in Peru has annual installed capacity of 720,000 tonnes of crude steel and 573,000 tonnes of rolled products.

***Special Steel Business Division***

The Special Steel Business Division is composed of the operations in Brazil (Charqueadas, Pindamonhangaba and Mogi das Cruzes), in the United States (Fort Smith, Jackson and Monroe) and in India (Tadipatri). This operation produces engineering steel (SBQ), tool steel, rolling mill rolls, large forged and casted engineering pieces. In order to meet the continuous need for innovation, this operation is constantly developing new products, such as high strength steels, clean steel, high temperability steels and steel with improved machining characteristics, among others.

The Special Steel Business Division recorded a reduction of 19.8% in shipments in 2016 compared to the prior year, due to the divestment of the units in Spain and, to a lesser extent, the drop in volumes in Brazil.

In Brazil, Gerdau special steel operations are located in Rio Grande do Sul (Charqueadas) and in São Paulo (Pindamonhangaba e Mogi das Cruzes). The special steel units in Brazil have a combined annual capacity of 1.4 million tonnes of crude steel and 1.9 million tonnes of rolled products. The operation in Brazil has more than 300 customers located mainly in Brazil, although its products are also exported to South America, North America and Europe.

In North America, Gerdau maintains a presence in United States, with three mills located in Jackson (Michigan), Monroe (Michigan) and Fort Smith (Arkansas). The operation also has six downstream operations. The operation has an annual installed capacity of 1.5 million tonnes of crude steel and 1.5 million tonnes of rolled products and has more than 200 customers located mainly in the United States, Canada and Mexico.

In India, the Company has a plant for the production of special steel with capacity of 250 thousand tonnes of crude steel and 300 thousand tonnes of rolled products. The operation is constantly evolving and is achieving better results each year.

There are commercial and operational synergies among the units in this business division.

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In 2016, prices in the international markets exhibited a high level of volatility. The main factors in these price movements were speculation in the Chinese market (mainly on cuts to production capacity and the futures market for raw materials and steel), the high prices for raw materials (mainly metallurgical coal and scrap) and the absence of Chinese exporters in the market during certain periods of the year.

Despite high volatility during the 2016, as shown by a comparison of prices at the end of 2015 in relation to those at the end of 2016, a change in level was observed in all segments. Despite weak demand in the international market for finished goods in late 2016, Turkish exporters of long products (rebar and profiles) registered an average price increase of 30% for the end of 2016 as compared to 2015. Meanwhile, China, which enjoys solid domestic demand and is more affected by raw material prices, registered an average price increase of 68% for long products (rebar and wire rods).

Chinese exporters of flat products (hot-rolled coils and heavy plates) increased their average prices by 77% between the end of 2015 and end of 2016.

This scenario of higher prices for raw materials, long and flat products also helped to support the prices of semi-finished products. Billet prices also benefitted from the absence of Chinese offers during certain periods of the year, due to the directing of shipments to the domestic market. Russian and Ukrainian billets registered a price increase of 61%, while prices for billets from China increased 78%. The prices of slabs from Russia and Ukraine increased 91%, supported by the high prices for flat goods and the low supply of material in the market.

In 2016, Gerdau's Brazilian exports were primarily to South America, which accounted for 31% of exports, to supply the Group's companies. Exports to Central America increased in relation to 2015, mainly due to the higher supply of billets and structural profiles. North America remained the main destination of flat good exports.

The following table presents the Company's consolidated exports by destination for the periods indicated:

Gerdau S.A. Consolidated Exports by Destination	Year ended December 31,		
	2016	2015	2014
<b>Total including shipments to subsidiaries (1,000 tonnes)</b>	<b>2,360</b>	<b>2,173</b>	<b>1,043</b>
Africa	3%	14%	
Central America	27%	11%	4%
North America	22%	22%	46%
South America	31%	26%	37%
Asia	5%	6%	6%
Europe	12%	15%	6%
Middle East	1%	7%	

In 2016, Gerdau began a new phase of its history with the first exports of heavy plate.

Gerdau continues to build a diversified customer base around the world, which will be fundamental to expanding its portfolio of exported products and meeting the challenges of 2017.

## **Products**

The Company supplies its customers with a wide range of products, including steel products and iron ore:

### ***Semi-finished products (Billets, Blooms and Slabs)***

The semi-finished products (billets, blooms and slabs) have relatively low added value compared to other steel products. Billets are bars from square sections of long steel that serve as inputs for the production of wire rod, rebars and merchant bars. They represent an important part of the products from the Ouro Branco mill. Blooms are used to manufacture products such as springs, forged parts, heavy structural shapes and seamless tubes. Slabs are used in the steel industry for the rolling of a broad range of flat rolled products, and mainly used to produce hot and cold rolled coils, heavy slabs, profiles and heavy plates.

The semi-finished products are produced using continuous casting and, in the case of blooms and billets there is subsequent rolling process.

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***Common Long Rolled Products***

Common long rolled products represent a major portion of the Company's production. The Company's main long rolled products include rebars, wire rods, merchant bars, light shapes and profiles, which are used mainly by the construction and manufacturing industries.

***Drawn Products***

Drawn products include barbed and barbless fence wire, galvanized wire, fences, concrete reinforcing wire mesh, nails and clamps. These products are not exported and are usually sold to the manufacturing, construction and agricultural industries.

***Special Steel Products***

Special steel requires advanced manufacturing processes because they have specific physical and metallurgical characteristics for applications with high mechanical demands. This steel is a key product for the automotive industry, as it is used in auto parts, light and heavy vehicles and agricultural machinery. Special steels also serve other relevant markets, such as oil and gas, wind energy, machinery and equipment, mining and rail, among others.

***Flat Products***

The Ouro Branco mill produces hot rolled coils and heavy plate, which are sold in the domestic and export markets. The Company distributes these products through its distribution channel and direct sales, and also resells flat steel products manufactured by other Brazilian steel producers to which it adds further value through additional processing at its flat steel service centers. The new heavy plate rolling mill, with an annual capacity of 1.1 million tonnes, started to operate in July 2016.

***Iron Ore***

Gerdau operates three mines producing iron ore, all located in the Brazilian state of Minas Gerais (Várzea do Lopes, Miguel Burnier and Gongo Soco). The mines produce the following: sinter feed (featuring low content of contaminants and good metallurgical properties, enabling its use as a base material); pellet feed/concentrated (superior quality enabling its use as a chemical balancer in the synthesizing process, while being also adequate for pelletizing, blast furnace quality - low loss by calcination - PPC); hematite fines (small scale production, used as input in Gerdau's furnaces); and Granulated (high quality, used chiefly for own consumption at the Ouro Branco Mill).



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The following table presents the main products and the contributions to net revenue and net income by Business Division for the periods shown:

	Brazil <sup>(1)</sup> Rebars, merchant bars, beams, drawn products, billets, blooms, slabs, wire rod, structural shapes, hot rolled coil, heavy plate and iron ore			North America Rebars, merchant bars, wire rod, light and heavy structural shapes.			South America Rebar, merchant bars and drawn Products.			Special Steel Stainless steel, special profiles and wire rod.			Eliminations and Adjustments		
Products Year	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014	2016	2015	2014
Net Sales (R\$ million)	11,634.9	12,977.3	14,813.3	15,430.8	17,312.2	14,640.1	4,775.6	5,477.2	5,078.4	6,884.7	8,882.1	8,643.9	(1,074.3)	(1,067.6)	(629.4)
% of Consolidated Net Sales	30.9%	29.8%	34.8%	41.0%	39.7%	34.4%	12.7%	12.6%	11.9%	18.3%	20.4%	20.3%	-2.9%	-2.4%	-1.5%
Net (Loss) Income (R\$ million)	(36.7)	(671.7)	1,013.8	(2,591.9)	(1,468.1)	613.7	134.2	(154.2)	(84.7)	162.5	(2,297.3)	123.1	(554.1)	(4.7)	(176.8)
% of Consolidated Net (Loss) Income	1.3%	14.6%	68.1%	89.8%	31.9%	41.2%	-4.7%	3.4%	-5.7%	-5.6%	50.0%	8.3%	19.2%	0.1%	-11.9%

(1) Include iron ore sales.

### Production Process

In Brazil, the Company has a decentralized production process, using both mini-mills and integrated facilities. In general, the Company has used the mini-mill model to produce steel products outside of Brazil.

#### *Non-Integrated Process (Mini-Mills)*

The Company operates 40 mini-mills worldwide. Mini-mills are equipped primarily with electric arc furnaces that can melt steel scrap and produce steel product at the required specifications requested by customers. After loading the furnace with a preset mixture of raw material (i.e., steel scrap, pig iron and sponge iron), electric power is applied in accordance with a computer controlled melting profile. The Company's mini-mill production process generally consists of the following steps: obtaining raw material,

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melting, casting, rolling and drawing. The basic difference between this process and the integrated mill production process described below is in the first processing phase, i.e., the steelmaking process. Mini-mills are smaller plants than integrated facilities and the Company believes they provide certain advantages over integrated mills, including:

- lower capital costs,
- lower operational risks due to the low concentration of capital and installed capacity in a single production plant,
- proximity of production facilities to raw-material sources,
- proximity to local markets and easier adjustment of production levels, and
- more effective managerial structure due to the relative simplicity of the production process.

***Integrated Process***

The Company operates five integrated mills, of which three are located in Brazil, one in Peru and one in India. The Ouro Branco mill is the largest integrated facility the Company operates. Although it produces steel using a blast furnace, this mill has some of the advantages of a mini-mill since it is located very close to its main suppliers and the ports from which the Company exports most of its production.

The Company's steelmaking process in integrated facilities consists of four basic processes: raw material preparation, pig-iron production, steel production and production of semi-finished products (billets, blooms and slabs). In the primary stage of steel making, sinter (a mixture of iron ore and fluxes), coke and other raw materials are consumed in the blast furnace to produce pig iron. Coke acts as both a fuel and a reducing agent in this process. The Company's blast furnaces have installed capacity of 5.9 million tonnes of liquid pig iron per year.

The pig iron produced by the blast furnace is transported by rail to the desulphurization unit to reduce the sulfur content in the steel. After the desulphurization process, the low-sulfur pig-iron is transformed into steel through LD-type oxygen converters. The LD steelmaking process utilizes molten pig iron and scrap to produce steel by blowing oxygen over the metallic charge inside the converters. The process does not require any external source of energy, which is fully supplied by the chemical reactions that occur between the oxygen and the molten pig iron impurities. The LD steelmaking process is presently the most widely used in the world. Some mills further refine the LD converters' output with ladle furnaces and degassing process.

The liquid steel is then sent to the continuous casting equipment, which are solidified in the form of billets, blooms or slabs. These products can be sold directly to customers, be transferred for processing into other Gerdau units or be transformed into rolled finished products in the Company's own integrated units. Gerdau integrated units in Brazil have rebar, bars and rods, wire rods, structural steel, hot rolled coils and heavy plate rolling mills.

## **Logistics**

Gerdau sells its products through independent distributors, direct sales from the mills and its retail network.

Logistics costs are an important component of most steel businesses and represent a significant factor in maintaining competitive prices in the domestic and export markets. The Gerdau mills are strategically located in various different geographic regions. The Company believes that the proximity of its mills to raw material sources and important consumer markets gives it a competitive advantage in serving customers and obtaining raw materials at competitive costs. This represents an important competitive advantage in inbound and outbound logistics.

To adequate and reduce logistic costs, Gerdau uses specific solutions, directed to different types of transportation modes (road, rail, sea and cabotage), terminals, technology and equipment. Gerdau continuously seeks to improve its performance to receive raw materials, and to deliver products to its customers or ports of destination. Accordingly, Gerdau develops and maintain long-term relationships with logistic suppliers specialized in delivering raw materials and steel products.

In 1996 Gerdau acquired an interest in MRS Logística, one of the most important rail companies in Brazil, which operates connecting the states of São Paulo, Rio de Janeiro and Minas Gerais, which are Brazil's main economic centers, and also reaches the main ports of the country in this region. These shares provide the guarantee of using this mode to transport raw materials (scrap and pig iron) as well as final products.

Gerdau uses around 12 ports to deliver products from the entire Brazilian coastline. The majority of exports are shipped from Praia Mole Private Steel Terminal in Vitoria, Espírito Santo. Furthermore, this is Brazil's most efficient and productive seaport for handling steel products, with more than 20 years of expertise in this business.

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Overseas, Gerdau owns a private port terminal in Chimbote (Peru), where the Company has a steel mill, used to deliver inputs, raw material and products for the operation.

**Competition**

The steel market is divided into manufacturers of long steel products, flat steel products and special steel.

The Company operates in the long steel market, which is the most important market for Gerdau, by supplying to the following customer segments: (i) construction, to which it supplies rebars, merchant bars, nails and meshes; (ii) manufacturing, to which it supplies products for machinery, agricultural equipment, tools and other industrial products; and (iii) other markets, to which it supplies wires and posts for agricultural installations and reforestation projects. In North America, the Company also supplies customers with special sections, including elevator guide rails and super light beams. The Company also provides its customers with higher value-added products at rebar and wire rod fabrication facilities.

The Company operates in the flat steel market through its Ouro Branco mill that produces slabs, which are used to roll flat products such as hot and cold rolled steel coils and heavy plates. Gerdau also produces hot-rolled coils, which are sold in the domestic and export markets. The Company distributes these hot-rolled coils and also resells flat steel products manufactured by other Brazilian steel producers to which it adds further value through additional processing at its flat steel service centers.

The Company produces special and stainless steel used in tools and machinery, chains, fasteners, railroad spikes, special coil steel, grader blades, smelter bars, light rails, super light I-beams, elevator guide rails and other products that are made on demand for the Company's customers at its special steel units in Brazil, United States and India.

***Competitive Position    Brazil***

The Brazilian steel market is very competitive. In the year ended December 31, 2016, the ArcelorMittal Brasil was the largest Brazilian crude steel producer and Gerdau was the second, according to the Brazilian Steel Institute (IABr - Instituto Aço Brasil).

World common long rolled steel demand is met principally by steel mini-mills and, to a much lesser extent, by integrated steel producers. In the Brazilian market, no single company competes against the Company across its entire product range. The Company has been facing some competition from long steel products imports, mainly coming from Turkey, with more extension from 2010. The Company believes that the diversification of its products, the solution developed by its fab shops units and the decentralization of its business provide a competitive edge over its major competitors.

In the domestic market, Gerdau is almost an exclusive supplier of blooms and billets to well-defined and loyal customers that have been purchasing from it regularly for over 15 years. Intense competition exists between the Company and ArcelorMittal in the slab and wire rod markets. Regarding the rebar market, competition in the Brazilian domestic market has increased in recent years due to two new entrants (Simec and Silat) and Companhia Siderurgica Nacional (CSN), which started rebar production.

***Competitive Position    Outside Brazil***

Outside Brazil, notably in North America, the Company has increased its market share through acquisitions, and believes to be the second largest mini-mill steel producer in North America, with annual nominal capacity of 10.9 million tonnes of crude steel and 9.0 million tonnes of rolled products.

Gerdau's geographic market in North America encompasses primarily the United States, Canada and Mexico. The Company faces substantial competition in the sale of each of its products from numerous competitors in its markets. Rebar, merchant bars and structural shapes are commodity steel products for which pricing is the primary competitive factor. Due to the high cost of freight relative to the value of steel products, competition from non-regional producers is somewhat limited. Proximity of product inventories to customers, combined with competitive freight costs and low-cost manufacturing processes, are key to maintaining margins on rebar and merchant bar products. Rebar deliveries are generally concentrated within a 350-mile radius of the mini-mills and merchant bar deliveries are generally concentrated within a 500-mile radius. Some products produced by the Selkirk, Midlothian, Jacksonville, Jackson, Cartersville and Petersburg mini-mills are shipped greater distances, including overseas.

The Company's principal competitors include Commercial Metals Company (CMC), Nucor Corporation, Steel Dynamics Inc., and ArcelorMittal Inc. Despite the commodity characteristics of the rebar, merchant bar and structural markets, Gerdau believes it distinguishes itself from many of its competitors due to the Company's large product range, product quality, consistent delivery performance, capacity to service large orders and ability to fill most orders quickly from inventory. The Company believes it produces one of the largest ranges of bar products and shapes. The Company's product diversity is an important competitive advantage in a market where many customers are looking to fulfill their requirements from a few key suppliers.

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In South America, each country has a specific competitive position that depends on conditions in their respective markets. Most compete domestically and face significant competition from imports. More than 70% of shipments from Gerdau's South American Operation originate from Chile, Peru and Colombia. In this market, the main barriers faced by Gerdau sales are freight and transportation costs and the availability of imports. The main products sold in the South American market are the constructions, mechanic, agriculture and mining markets.

Currently, the Special steel operations in United States, the Company believes to have approximately 22% of the special steel market; in Brazil, Gerdau's special steel units are combined the biggest player in that market, with a stake of approximately 78%; and, in India the production and commercialization of rolled products began in 2013, and continue to ramp up, providing gradual access in the Indian market.

## **Business Cyclicity and Seasonality**

The steel industry is highly cyclical. Consequently, the Company is exposed to fluctuations in the demand for steel goods that in turn cause fluctuations in the prices of these goods. Furthermore, since the production capacity of Brazil's steel industry exceeds its demand, it is dependent on export markets. The demand for steel goods and consequently the financial conditions and results of operations of steel producers, including the Company, are generally affected by fluctuations in the world economy and in particular the performance of the manufacturing, construction and automotive industries. Since 2003, the good performance of the world economy, especially in developing economies, such as China, has led to strong demand for steel goods, which contributed to historically high prices for Gerdau's steel goods. However, with the financial crisis that emerged in mid-2008, these prices have become unsupportable, especially given the expansion in world installed production capacity and the recent softening of demand. In the second quarter of 2008 and especially in early 2009, the United States and other European economies showed strong signs of a slowdown, which in turn affected many other countries. Over the past few years, developing economies have shown signs of a gradual recovery, while developed economies still present a challenging demand scenario. The Company believes that, in 2017, the steel industry will remain challenging and continue to present volatility, but the projection is that steel consumption will grow 0.8% compared to 2016.

In Gerdau's Brazilian and South American operations, shipments in the second and third quarters of the year tend to be stronger than in the first and fourth quarters, given the reduction in construction activity. In Gerdau's North American operations, demand is influenced by winter conditions, when consumption of electricity and other energy sources (i.e., natural gas) for heating increases and may be exacerbated by adverse weather conditions, contributing to increased costs and decreased construction activity, and in turn leading to lower shipments.

## **Information on the Extent of the Company's Dependence**

The Company is not dependent on industrial, commercial or financial agreements (including agreements with clients and suppliers) or on new production processes that are material to its business or profitability. The Company also has a policy of diversifying its suppliers, which enables it to replace suppliers without affecting its operations in the event of failure to comply with the agreements, except in the case of its energy and natural gas supply.

In addition to the government regulations that apply to its industry in general, the Company is not subject to any specific regulation that materially or adversely affect its business.

In the case of a power outage, there are no alternative supply options available at most Gerdau mills due to the high volume and tension required for the operation of these plants. Some Gerdau small plants may choose, as an alternative, to use generators to compensate for the energy shortage. Moreover, the Ouro Branco mill generates 70% of its power needs internally using gases generated in the steel-making process.

In case of a lack of natural gas, the equipment could be adjusted to use diesel and LPG.

Gerdau's operations are spread across various geographic regions, which mitigates the risk of any electricity or natural gas supply problems in Brazil.

The distribution of electric power and natural gas is a regulated monopoly in most countries, which leads the distributor to be the only supplier in each geographic region. In some countries, regulations allow for a choice of electrical power or natural gas commodity supplier, allowing Gerdau to diversify its supply agreement portfolio.

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**Production Inputs**

*Prices volatility*

Gerdau's production processes are based mainly on the mini-mill concept, with mills equipped with electric arc furnaces that can melt ferrous scrap and produce steel products at the required specifications. The main raw material used at these mills is ferrous scrap, which at some plants is blended with pig iron. The component proportions of this mixture may change in accordance with prices and availability in order to optimize raw material costs. Iron, iron ore (used in blast furnaces) and ferroalloys are also important.

Although international ferrous scrap prices suffer high influence by the U.S. domestic market (since the United States is the largest scrap exporter), the price of ferrous scrap in Brazil varies from region to region and is influenced by demand and transportation costs.

Brazil and Special Steel Business Division - The Company's Brazilian mills use scrap and pig iron purchased from local suppliers. Due to the nature of the raw materials used in its processes, Gerdau has contracts with scrap generators, especially scrap from industrial sources, for its mini-mills in Brazil, acquiring scrap as necessary for the mills' needs. Scrap for the Brazilian Operation is priced in Brazilian reais, thus input prices are not directly affected by currency fluctuations.

Due to its size, the Ouro Branco mill has developed over the last few years a strategy to diversify its raw materials, which are supplied through various types of contracts and from multiple sources, which include: (i) coking coals imported from Colombia, United States, Canada, Russia, Australia, Peru, among other origins with lower expression in volumes, as well as petroleum coke purchased from Petrobrás and charcoal chaff also acquired from other domestic suppliers; (ii) ferroalloys, of which 88% are purchased in the domestic market; and (iii) iron ore, which is mainly produced from its own mines and partially supplied by mining companies, most of them strategically located close to the plant.

North America Business Division - The main input used by the Company's mills in North America is ferrous scrap, and has consistently obtained adequate supplies of raw materials, not depending on a smaller number of suppliers. Due to the fact that the United States are one of the largest scrap exporters in the world, the prices of this raw-material, in this country, may fluctuate according to supply and demand in the world's scrap market.

South America Business Division - The main input used by the Company's mills in South America is ferrous scrap. This operation is exposed to market fluctuations, varying its prices according to each local market.

*Ferrous Scrap*



There are two broad categories of ferrous scrap: (i) obsolete scrap, which is steel from various sources, ranging from cans to car bodies and white goods; and (ii) industrial scrap, which is composed of scrap from manufacturing processes, essentially steel bushings and flashings, steel turnings and even scrap generated by production processes at steel producers, such as Gerdau. In Brazil, the use of scrap in electric arc furnaces varies between scrap from obsolescence and industrial scrap. Special Steel mills mainly use industrial scrap.

In 2016, Gerdau consumed more than 13 million tonnes of scrap, which accounted for significant gains from increasingly competitive operating costs.

Because ferrous scrap is one of its main raw materials in steel production, Gerdau is dedicated to improving its supply chain in various countries, aiming to develop and integrate micro and small suppliers into the Company's business. In Brazil, the main part of the scrap consumed by the Company comes from small scrap collectors who sell all their material to Gerdau, which provides a direct supply at more competitive costs for the Company. In North America, although smaller, the number is still significant, ensuring the competitiveness of the business in the region.

**Brazil and Special Steel Business Divisions** - The price of steel scrap in Brazil varies by region and reflects local supply, demand and transportation costs. The Southeast is the country's most industrialized region and generates the highest volume of scrap. Due to the high concentration of players in this region, competition is more intense.

Gerdau has six scrap shredders, including a mega-shredder at the Cosigua mill in Rio de Janeiro that is capable of processing shredded scrap in volumes that exceed 200 car bodies per hour.

**North America Business Division** - Ferrous scrap is the primary raw material. The availability of the scrap varies in accordance with the level of economic activity, the season of the year and export levels, leading to price fluctuations. Some mills in the North America Business Division have on-site dedicated scrap processing facilities, including shredder operations that supply a

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significant portion of their scrap requirements. Given that not all of the scrap it consumes is sourced from its own scrap yards, it purchases residual requirements in the market either directly or through dealers that source and prepare scrap.

In North America, all production units are semi-integrated mills or mini-mills, in which results of operations are closely related to the cost of ferrous scrap and its substitutes, which are the main input of mini-mills. Ferrous scrap prices are relatively higher during the winter months in the north hemisphere due to the impact of climate on collection and supply. Prices of ferrous scrap are subject to market forces beyond the Company's control, including demand from the United States and international steel producers, freight costs and speculation.

South America Business Division - The price of scrap in South America varies widely from country to country in accordance with supply, demand and transportation cost.

***Pig Iron and Sponge Iron***

Brazil Business Division - Brazil is an exporter of pig iron. Most of Brazil's pig iron is produced in the state of Minas Gerais by a number of small producers. Pig iron is a drop-in substitute for scrap and in Brazil it is an important component of the metal mix used to make steel in the mills. The price of pig iron follows domestic and international demand, and its cost production is basically composed by reducers and minerals.

North America Business Division - Scrap availability imprints a unique characteristic on the use of pig iron and sponge iron, which are used in limited amounts only to produce steels with particular characteristics.

***Iron Ore***

Iron ore is the main input used to produce pig iron at Gerdau's blast furnace mills located in the state of Minas Gerais, southeastern Brazil. The pig iron is used in the melt shops together with scrap, to produce steel.

Iron ore is purchased in its natural form as lump ore, pellet feed or sinter feed, or agglomerated as pellets. The lump ore and pellets are loaded directly into the blast furnace, while the sinter feed and pellet feed need to be agglomerated in the sinter plant and then loaded into the blast furnace, to produce pig iron. The production of 1.0 tonne of pig iron requires about 1.6 tonnes of iron ore.

Iron ore consumption in Gerdau mills in Brazil amounted to 7.0 million tonnes in 2016, partially supplied by mining companies adjacent to the steel plants and partially supplied by Gerdau's mines.

***Other Inputs***

In addition to scrap, pig iron, sponge iron and iron ore, Gerdau's operations use other inputs to produce steel such as ferroalloys, electrodes, furnace refracting materials, oxygen, nitrogen and other industrial gases and limestone, albeit in smaller amounts. Additional inputs associated with the production of pig iron are thermal-reducer, which is used in blast furnace mills, and natural gas, which is used at the DRI unit.

Ouro Branco mill's important raw materials and inputs also include solid fuels, comprising the metallurgical coal, used in the production of coke and also for the blast furnace pulverized injecting, this last one providing increase in productivity and consequently reduction in the final cost of pig iron. Besides the metallurgical coal, the Company also uses the anthracite, solid fuel used in the production of sinter. The gas resulting from the production of coke and pig iron are reused for generation of thermal energy that can be converted in electric energy for the mill.

The North American operations also use additional inputs. Various domestic and foreign companies supply other important raw materials or operating supplies required for the business, including refractory materials, ferroalloys and graphite electrodes that are available in the national and international market. Gerdau North America Business Division has obtained adequate quantities of these raw materials and supplies at competitive market prices. The Company is not dependent on any one supplier as a source for any particular material and believes there are adequate alternative suppliers available in the marketplace if the need to replace an existing one arises.

***Energy Requirements***

Steel production is a process that consumes large amounts of electricity, especially in electric arc mills. Electricity represents an important role in the production process, along with natural gas, which is used mainly in furnaces to re-heat billets in rolled steel production.

In Brazil, electricity is currently supplied to the Company's industrial units under two types of contracts:

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- Contracts in the Regulated Contractual Environment in which the Company is a Captive Consumer are used at the following units: Usiba and Açonorte. These involve state-owned companies or holders of government concessions. In these contracts, prices are defined by the National Electric Power Agency (ANEEL).
- Contracts executed in the Free Market Environment, in which Gerdau is a Free Consumer, are used by the following units: Araçariçuama, Charqueadas, Cosigua, Cearense, Ouro Branco, Divinópolis, Barão de Cocais, Riograndense, São José dos Campos, Cumbica, Cotia, Pindamonhangaba, Mogi das Cruzes and Miguel Burnier. The load of these units is served by a portfolio of contracts and by self-generation. The power supply contracts are entered into directly with generation and/or distributing companies at prices that are pre-defined and adjusted in accordance with conditions pre-established by the parties. The transmission and distribution rates are regulated and revised annually by ANEEL. The Ouro Branco mill generates internally approximately 70% of its energy needs, using the gases produced during the steelmaking process. This makes the plant have significantly lower exposure to the energy market than mini-mills.

The Company currently holds the following power generation concessions in Brazil:

- Dona Francisca Energética S.A. (DFESA) operates a hydroelectric power plant with nominal capacity of 125 MW located between Nova Palma and Agudo, Rio Grande do Sul State (Brazil). Its corporate purpose is to operate, maintain and maximize use of the energy potential of the Dona Francisca Hydroelectric Plant. DFESA participates in a consortium (Consórcio Dona Francisca) with the state power utility Companhia Estadual de Energia Elétrica (CEEE). The shareholders of DFESA are Gerdau S.A. (51.8%), COPEL Participações S.A (23.0%), Celesc (23.0%), and Statkraft (2.2%).
- Caçu and Barra dos Coqueiros hydroelectric power plants, located in the state of Goiás (Brazil), with total installed capacity of 155MW and started its operations in 2010, with all power made available to the units located in Brazil's Southeast.
- Gerdau also holds the concession to implement São João - Cachoeirinha Hydroelectric Plant Complex located in Paraná state. The complex will have total installed capacity of 105 MW. It is currently waiting for the granting of the environmental licenses.

The terms of the aforementioned generation concession agreements are for 35 years as of the signature of the agreement. As such: UHE Dona Francisca expires in 2033 and UHEs Caçu and Barra dos Coqueiros and UHEs São João - Cachoeirinha expire in 2037.

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The supply of natural gas to all Brazilian units is regulated and performed under long-term contracts. Barão de Cocais and Divinópolis units do not have access to natural gas supplies.

In the United States, there are essentially two types of electricity markets: regulated and deregulated. In the regulated market, contracts are approved by Public Utility commissions and are subject to an approved rate of return. These regulated tariffs are specific to local distributors and generally reflect the average fuel costs of the distributor. In deregulated markets, the price of electricity is set by the marginal resource and fluctuates with demand. Natural Gas in the United States is completely deregulated. The U.S. energy market is benefiting from the increased exploration of shale gas, which is driving down prices of both electricity and natural gas.

In Colombia, the power purchase agreement was renewed in April 2016 at predetermined prices valid for 7 years and 6 months, beginning in June 2016. The natural gas agreements were renewed in late 2013 and are valid in part until 2019 and in part until 2021.

In Chile electricity is purchased under a long-term agreement (7 years). This agreement will finish on 2021, and the transmission electricity agreement will finish in 2034. The plant receives CNG (Compressed Natural Gas), the supply is done through piping lines in Renca and Colina plants.

In Uruguay, electricity is purchased under agreements renewed automatically on an annual basis from the state-owned utility UTE. Natural gas is purchased from Montevideo Gas with prices set by the Argentinean export tariff agreement (fuel oil as substitute). During 2016, the plant operated mostly on fuel oil, due to competitive reasons.

In Peru, has a current electricity contract until December 2025. The plant receives CNG (Compressed Natural Gas) by trucks and then is decompressed and distributed through internal pipeline to production processes.

Argentina uses natural gas (liquefied petroleum gas) as substitute. The natural gas purchase agreement was renewed for another year. In 2008, Gerdau Sipar entered into a long-term agreement to supply the new mill's power requirements.

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In Mexico, electricity is purchased under agreements regulated by the state-owned utility Compañía Federal de Electricidad (CFE) and bilateral contracts with private companies. The natural gas agreements are annually and automatically renewed. Electricity and natural gas prices are indexed and adjusted monthly based on the NYMEX prices indices.

In India, electricity is supplied by the distribution company and by self-generation. In the event of rationing, the power deficit may be acquired through power swap agreements (short-term contracts).

## **Production Output**

Gerdau S.A. Consolidated annual production (million tonnes)	Year ended December 31,		
	2016	2015	2014
Crude steel production	15,677	16,862	18,028
Rolled steel production	13,616	14,604	16,026
Iron Ore production	8,647	7,419	7,623

## **Technology and Quality Management**

All Gerdau mills have a Quality Management System supported by a wide array of quality control tools. Product development projects are headed by specialists who use quality tools such as Six Sigma, a set of statistical methods for improving the assessment of process variables, and the concept of Quality Function Deployment, a methodology through which technicians can identify and implement the customer requirements.

Given this level of quality management, mills are ISO 9001 or ISO TS 16949 certified as well as a sort of products and laboratories certification according demands. In general, production, technical services and quality teams are responsible for developing new products to meet customer and market needs.

Gerdau uses a Quality Management System developed in house that applies tests for product design, manufacturing processes and final-product specifications. A specially trained team and modern technologies also exist to assure the manufactured product high standards of quality. Gerdau's technical specialists do planned visits, some are randomly selected and some are scheduled visits, to its customers to check on the quality of the delivered products in order to guarantee the final user satisfaction for products purchased indirectly.

Due to the specialized nature of its business, the Gerdau special steel mills are constantly investing in technological upgrading and in research and development. These mills are active in the automotive segment and maintain a technology department (Research and Development) responsible for new products and the optimization of existing processes.

International machinery manufacturers and steel technology companies supply most of the sophisticated production equipment that Gerdau uses. These suppliers generally sign technology transfer agreements with the purchaser and provide extensive technical support and staff training for

the installation and commissioning of the equipment. Gerdau has technology transfer and benchmarking agreements with worldwide recognized performance companies.

As is common with mini-mill steelmakers, Gerdau usually acquires technology in the market rather than develops new technology through intensive process research and development, since steelmaking technology is readily available for purchase.

The Company is not dependent on patents or licenses or new manufacturing processes that are material to its business. See item Information on the Extent of the Company's Dependence for further details.

### **Sales Terms and Credit Policy**

The Company's Brazilian sales are usually made on a 21/28-day settlement CIF (Cost, Insurance and Freight) basis. Comercial Gerdau, the retail arm of Gerdau in Brazil, sells on a 28 to 30-day settlement basis, mainly CIF. Brazilian customers are subject to a credit approval process. The concession of credit limits is controlled by a corporate-level system (ECC) that can be accessed by all sales channels. The credit and collection department is responsible for evaluating, determining and monitoring credit in accordance with the credit limit policy. This policy includes the active participation of staff from the various sales channels. At Comercial Gerdau, in particular, the criteria for retail sales also include practices such as the use of credit card services and BNDES. Gerdau exports are guaranteed via letters of credit and/or pre-payment before the product is shipped. Exports to Gerdau's subsidiaries may be sold on credit at market interest rates.

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Gerdaу North American credit terms to customers are generally based on customary market conditions and practices. The Company's North American business is seasonal, with orders in the second and third quarters tending to be stronger than those in the first and fourth quarters, primarily due to weather-related slowdowns in the construction industry.

The Company's Special Steel Operation in the United States and Brazil Special Steel Operations have their own credit departments for customer's credit analyses.

As a result of these policies, the Company's provision for doubtful accounts has been at low levels, however, 2016 showed an increase in provision for doubtful accounts due to the higher default levels recorded in Brazil. On December 31, 2016, provision for doubtful accounts was 5.3% based on gross account receivables as per Note 5 to the Consolidated Financial Statements, on December 31, 2015 was 4.0% and on December 31, 2014 this provision was 2.2% of gross account receivables. Gerdaу has improved its credit approval controls and enhanced the reliability of its sales process through the use of risk indicators and internal controls.

## **Insurance**

The Company maintains insurance coverage in amounts that it believes suitable to cover the main risks of its operating activities. The Company has purchased insurance for its integrated mill Ouro Branco to insure against operating losses, which covers amounts up to approximately US\$ 4.8 billion (R\$ 18 billion as of April 30, 2016), including material damage to installations (US\$ 4.3 billion) and losses of gross revenues (US\$ 500 million), such as halts in production due to business interruptions caused by accidents for a period up to twelve months. The Company's current insurance policy relating to the Ouro Branco mill remains effective until April 30, 2017. The Company's mini-mills are also covered under insurance policies which insure against certain operational losses resulting from business interruptions.

## **Trade Investigations and Government Protectionism**

Over the past several years, exports of steel products from various companies and countries, including Brazil, have been subject to antidumping, countervailing duties and other trade-related investigations in importing countries. Most of these investigations resulted in duties limiting the investigated companies' ability to access such import markets. Until now, however, these investigations have not had a significant impact on the Company's export volumes.

## **Material effects of government regulation on the Company's activities**

The Company's steel production activities are not subject to special authorizations other than the licenses and permits typical to the industry. The Company maintains a good relationship with the government agencies responsible for issuing common authorizations and does not have any history of problems in obtaining them.



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Gerdaul Aços Longos S.A. holds the concession for the Caçú and Barra dos Coqueiros hydroelectric plants, which have aggregate installed capacity of 155MW and are located in the southeastern region of the State of Goiás between the cities of Caçá and Cachoeira Alta, as per concession contract number 089/2002.

Chopim Energia S.A. (50% direct and 50% through Itaguaí Comércio, Importação e Exportação Ltda.) holds the concession for the São João and Cachoeirinha Energy Complex, which corresponds to the São João and Cachoeirinha hydroelectric plants, which have aggregate installed capacity of 105 MW and are located in the southeastern region of the State of Paraná between the cities of Honório Serpa and Clevelândia, as per concession contract number 016/2002.

Gerdaul S.A. holds an interest of 51.82% in the company Dona Francisca Energética S.A. - DFESA, which, in consortium with Companhia Estadual de Energia Elétrica - CEEE, holds the concession for the Dona Francisca Hydroelectric Plant located between the cities of Agudo and Nova Palma in the State of Rio Grande do Sul, which has installed capacity of 125 MW, as per concession contract 188/1998.

Gerdaul Açominas S.A. is authorized to operate the Açominas Thermo Electric Power Plant (103 MW) located in its industrial complex in the city of Ouro Branco, as authorized by Administrative Rule (*Portaria*) 275/MME of February 23, 1984 and subsequent resolutions.

Activities involving the generation of electric power are subject to the rules and regulations of the National Electric Power Agency (ANEEL) and to oversight by the agency. Operating Licenses, which are issued by the respective state environmental departments or agencies, are required to operate the hydroelectric plants, which must also comply with the obligations of the respective concession contracts. All projects in which the Company participates are functioning perfectly, with valid licenses and no objections to their operations. The exception is Chopim, whose construction has yet to begin.

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The commercial operation of ports is subject to authorization by the federal government, as regulated by Federal Law 12,815 of June 5, 2013. Gerdau has two Private Port Terminals outside of organized port areas located in Vitória, ES and Salvador, BA, which are known, respectively, as the Praia Mole Private Port and Mixed Use Terminal and the Gerdau Maritime Terminal. The former, with Adhesion Contract 112/2016, was signed on June 30, 2016, with duration of 25 years, which may be extended successively for equal periods, as provided for by law. There is no specific description of cargoes, with authorization for the handling and/or storage in the TERMINAL of own and third-party cargo destined or originating from water transportation. The latter, with Adhesion Contract 064/98, was signed on November 17, 1995, with duration of 25 years, which may be extended successively for equal periods, as provided for by law, with the following cargo authorized: pelletized iron ore, natural iron ore, pig iron, scrap metal, manganese ore, coke, copper-alumina concentrate, blast furnace slag, clinker, iron ore, green petroleum coke, fertilizers, anthracite, barite and coal. The process to adapt in accordance with the new regulatory framework for the Gerdau Maritime Terminal contract is currently in progress.

This authorization is subject to oversight by the National Water Transportation Agency (ANTAQ) and, alternatively, by the Special Department of Ports (SEP).

Gerdau's mining explorations in Brazil are subject to the prevailing rules established by the Brazilian Mining Code (*Decreto-Lei nº 227, de 28 de fevereiro de 1967*) and un-codified mining legislation, with mining exploration substantiated by mining property rights and titles. Gerdau acquired the surface of the areas corresponding to the respective mining rights, as well as all other mining property rights and titles, through an Asset Sale and Rights Assignment Agreement entered into between Gerdau Açominas S.A. and Companhia Paraibunas de Metais, Siderúrgica Barra Mansa S.A., Votorantim Metais Ltda. and Votorantim International Holding N.V. on May 19, 2004. The Company's mining explorations are subject to the limitations imposed by Brazil's Federal Constitution and Mining Code and by the laws and regulations pertaining to exploration activities, which include requirements concerning, among other things, how the mineral deposits are used, workplace health and safety, environmental protection and restoration, pollution prevention and health and safety of local communities where the mines are located. The Brazilian Mining Code also establishes certain requirements for sending notifications and information. The DNPM - Departamento Nacional de Produção Mineral (National Department of Mineral Production) is responsible for granting, regulating and promoting the planning and activities encouraged for mineral exploration and use of mineral resources as well as for monitoring geological and mineral research, and mineral technologies as well as to ensure, control and monitor mining activities in mining areas). Gerdau holds the ownership of all land and all mining property rights and titles for the mines it currently explores, as well as the respective environmental licenses to commercially operate the mines located in the cities of Miguel Burnier, Várzea do Lopes and Gongo Soco in the Brazilian state of Minas Gerais. Brazil's Mining Code and Federal Constitution impose on companies that conduct exploration activities, such as us, requirements concerning, among other things, the manner in which mineral deposits are used, worker health and safety, environmental protection and restoration, pollution prevention and the health and safety of the local communities where the mines are located. The Mining Code also imposes certain notification and reporting requirements.

Currently, in the House of Representatives (*Câmara dos Deputados*), *Projeto de Lei nº 5.807/2013* is being discussed, which, if and when approved, will replace the current Brazilian Mining Code. Among the main innovations provided by *Projeto de Lei nº 5.807/2013* includes the following: (i) creation of the National Mining Agency - ANM, replacing the DNPM and the creation of the National Council of Mineral Policy - CNPM; (ii) research permit and mining concession in a single process, with permission, or calling public bidding process, depending on the area and substance; (iii) the initial period of 40 years, renewable for 20 years for mineral concessions, which will follow the bidding rules established by Law No. 12.462, of August 4, 2011; (iv) new system for calculating the CFEM; and (v) establishing new fees related to mining activity.

The mineral rights held by Gerdau cover a total of 8,837.19 ha and the period of concessions is until the exhaustion of the deposits, on the condition that we perform legal requirements annually. The table below shows the DNPM processes held by Gerdau:



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<b>Mining Righth DNPM</b>	<b>City</b>	<b>Location</b>	<b>State</b>
1,978/1935	BARÃO DE COCAIS	GONGO SOCO	MG
724/1942	OURO PRETO / OURO BRANCO	MORRO GABRIEL	MG
4,575/1935	OURO PRETO	MIGUEL BURNIER	MG
3,613/1948	OURO PRETO	MIGUEL BURNIER	MG
5,303/1948	OURO PRETO	MIGUEL BURNIER	MG
5,514/1956	OURO PRETO	MIGUEL BURNIER	MG
5,975/1956	OURO PRETO	MIGUEL BURNIER	MG
6,549/1950	OURO PRETO	MIGUEL BURNIER	MG
930,600/2009	OURO PRETO	GM MIGUEL BURNIER	MG
3,583/1957	ITABIRITO / MOEDA	VÁRZEA DO LOPES	MG
3,584/1957	ITABIRITO	VÁRZEA DO LOPES	MG
3,585/1957	ITABIRITO	VÁRZEA DO LOPES	MG
8,141/1958	ITABIRITO	VÁRZEA DO LOPES	MG
6,255/1960	ITABIRITO	VÁRZEA DO LOPES	MG
317/1961	ITABIRITO	VÁRZEA DO LOPES	MG
5,945/1961	ITABIRITO	VÁRZEA DO LOPES	MG
932,705/2011	ITABIRITO	GM VÁRZEA DO LOPES	MG
833,209/2006	OURO PRETO / OURO BRANCO	DOM BOSCO	MG
832,090/2005	OURO PRETO / OURO BRANCO	DOM BOSCO	MG
832,044/2006	OURO BRANCO	DOM BOSCO	MG
830,158/2007	OURO PRETO	DOM BOSCO	MG
830,159/2007	OURO PRETO	DOM BOSCO	MG
830,160/2007	OURO PRETO	DOM BOSCO	MG
831,640/2003	OURO PRETO	DOM BOSCO	MG
830,475/2007	OURO PRETO	DOM BOSCO	MG
832,620/2006	OURO PRETO	MIGUEL BURNIER	MG
830,798/2013	OURO PRETO	MIGUEL BURNIER	MG
832,377/2014	OURO PRETO	MIGUEL BURNIER	MG
832,375/2014	OURO PRETO	MIGUEL BURNIER	MG
833,018/2015	ITABIRITO	VÁRZEA DO LOPES	MG
832.625/2016	ITABIRITO	VÁRZEA DO LOPES	MG

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**C. ORGANIZATIONAL STRUCTURE**

The Company's operational structure (including its main operating subsidiaries engaged in steel production) was as follows on December 31, 2016:

The table below lists the significant consolidated subsidiaries of Gerdau on December 31, 2016, 2015 and 2014:

**Equity Interests**

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Consolidated company	Country	2016	Total capital (*) 2015	2014
Gerdau GTL Spain S.L.	Spain	100.00	100.00	100.00
Gerdau Internacional Empreendimentos Ltda. - Grupo Gerdau	Brazil	100.00	100.00	100.00
Gerdau Ameristeel Corporation and subsidiaries (1)	USA/Canada	100.00	100.00	100.00
Gerdau Açominas S.A.	Brazil	99.35	99.35	95.85
Gerdau Aços Longos S.A. and subsidiary (2)	Brazil	99.11	99.11	94.34
Gerdau Steel Inc.	Canada	100.00	100.00	100.00
Gerdau Holdings Inc. and subsidiary (3)	USA	100.00	100.00	100.00
Paraopeba - Fixed-income investment fund (4)	Brazil	70.93	65.75	88.74
Gerdau Holdings Europa S.A. and subsidiaries	Spain		100.00	100.00
Gerdau América Latina Participações S.A.	Brazil	99.12	99.12	94.22
Gerdau Chile Inversiones Ltda. and subsidiaries (5)	Chile	99.00	99.99	99.99
Gerdau Aços Especiais S.A.	Brazil	99.55	99.56	97.17

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Gerdau Hungria Holdings Limited Liability Company and subsidiaries (6)	Hungary	100.00	100.00	100.00
GTL Equity Investments Corp.	British Virgin Islands	100.00	100.00	100.00
Empresa Siderúrgica del Perú S.A.A. - Siderperú	Peru	90.03	90.03	90.03
Diaco S.A. and subsidiary (7)	Colombia	99.68	99.68	99.68
Gerdau GTL México, S.A. de C.V. and subsidiaries (8)	Mexico	100.00	100.00	100.00
Seiva S.A. - Florestas e Indústrias	Brazil	97.73	97.73	97.73
Itaguaí Com. Imp. e Exp. Ltda.	Brazil	100.00	100.00	100.00
Gerdau Laisa S.A.	Uruguai	100.00	100.00	100.00
Sipar Gerdau Inversiones S.A.	Argentina	99.99	99.99	99.99
Sipar Aceros S.A. and subsidiary (9)	Argentina	99.96	99.96	99.96
Cleary Holdings Corp.	Colombia		100.00	100.00
Sizuca - Siderúrgica Zuliana, C. A.	Venezuela	100.00	100.00	100.00
GTL Trade Finance Inc.	British Virgin Islands	100.00	100.00	100.00
Gerdau Trade Inc.	British Virgin Islands	100.00	100.00	100.00
Gerdau Steel India Ltd.	India	98.90	98.90	98.83

(\*) The voting capital is substantially equal to the total capital. The interests reported represent the ownership percentage held directly and indirectly in the subsidiary.

(1) Subsidiaries: Gerdau Ameristeel US Inc., Gerdau Reinforcing Steel, Gerdau Ameristeel Sayreville Inc., TAMCO Steel, Chaparral Steel Company.

(2) Subsidiary: Gerdau Açominas Overseas Ltd.

(3) Subsidiary: Gerdau MacSteel Inc.

(4) Fixed-income investment fund managed by Banco JP Morgan S.A.

(5) Subsidiaries: Aza Participaciones S.A., Gerdau Aza S.A., Armacero Matco S.A., Aceros Cox Comercial S.A., Salomon Sack S.A.

(6) Subsidiaries: Gerdau Holdings Europa S.A. y CIA., Bogey Holding Company Spain S.L.

(7) Subsidiaries: Cyrgo S.A.

(8) Subsidiaries: Sidertul S.A. de C.V. and GTL Servicios Administrativos México, S.A. de C.V.

(9) Subsidiary: Siderco S.A.

The Company's investments in Bradley Steel Processor and MRM Guide Rail in North America, in which Gerdau Ameristeel holds a 50% stake in the total capital, the investments in Gerdau Metaldom Corp. in the Dominican Republic in which the Company owns a 45% stake, the investment in Corsa Controladora, S.A. de C.V. in Mexico, in which Gerdau has a 49% stake, the investment in Corsa Controladora, S.A.P.I de C.V. in Mexico, in which Gerdau has a 50% stake and the investment in Dona Francisca Energética S.A. in Brazil, in which the Company holds a 51.82% stake are accounted in the Company's financial statements using the equity method (for further information see Note 3 Consolidated Financial Statements).

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The operating companies that are fully consolidated or accounted according to the equity method in the financial statements of Gerdau S.A. are described below:

*Gerdau Aços Longos S.A.* - This company produces common long steel and has 9 mills distributed throughout Brazil and annual installed capacity of 4.7 million tonnes of crude steel. This company also sells general steel products and has steel distribution centers located throughout Brazil.

*Gerdau Açominas S.A.* - Açominas owns the mill located in the state of Minas Gerais, Brazil. The Ouro Branco mill is Gerdau's largest unit, with annual installed capacity of 4.5 million tonnes of crude steel, accounting for 48.8% of Gerdau's crude steel output in the Brazil Business Division.

*Gerdau Ameristeel Corporation* - Gerdau Ameristeel has annual capacity of 10.9 million tonnes of crude steel and 9.0 million tonnes of rolled products. The Company is one of the largest producers of long steel in North America. Gerdau Ameristeel subsidiaries are: Gerdau Ameristeel US Inc., Gerdau Reinforcing Steel, Gerdau Ameristeel Sayreville Inc., TAMCO Steel and Chaparral Steel Company.

*Gerdau Aços Especiais S.A.* - This company is headquartered in Charqueadas in the Brazilian state of Rio Grande do Sul and has consolidated annual installed capacity of 430,000 tonnes of crude steel and 465,000 tonnes of rolled products.



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*Gerdau MacSteel Inc.* This company is the largest special steel producer in U.S., has three units and combined annual production capacity of 1.5 million tonnes of crude steel and 1.5 million tonnes of rolled products.

*Gerdau Laisa S.A.* - In 1980, the Company acquired the Laisa mini-mill in Uruguay. Gerdau Laisa is the one of largest long steel producers in Uruguay and has annual installed capacity of 100,000 tonnes of crude steel and 90,000 tonnes of rolled products.

*Gerdau Chile Inversiones Ltda.* - The company has two units in Chile with combined annual production capacity of 520,000 tonnes of crude steel and 530,000 tonnes of rolled steel.

*Sipar Gerdau Inversiones S.A.* - Sipar, through its operational subsidiary Sipar Aceros S.A., entered the Argentinean market in December 1997 and has annual installed capacity of 263,000 tonnes of rolled products.

*Diaco S.A.* - Diaco is one of the largest producers of steel and rebar in Colombia and has annual installed capacity of 674,000 tonnes of crude steel and 545,000 tonnes of rolled products.

*Empresa Siderúrgica del Perú S.A.A.* - Acquired in 2006, Siderperú is a long steel producer with annual installed capacity of 720,000 tonnes of crude steel and 573,000 tonnes of rolled steel.

*Gerdau GTL México, S.A. de C.V.* - The subsidiary of this company is a long steel producer located in the metropolitan area of Mexico City with annual installed capacity of 500,000 tonnes of crude steel and 400,000 tonnes of rolled products.

*Sizuca - Siderúrgica Zuliana, C. A.* - In June 2007, Gerdau acquired Sizuca - Siderúrgica Zuliana located in Ciudad Ojeda, Venezuela. Sizuca owns a mini-mill that produces concrete reinforcement bars. Sizuca has annual installed capacity of 250,000 tonnes of crude steel and 170,000 tonnes of rolled products.

*Corsa Controladora, S.A. de C.V.* - In 2008, the Company acquired a 49% stake in Corsa Controladora, S.A. de C.V. (Mexico). Corsa Controladora owns 100% of the capital of Aceros Corsa, S.A. de C.V. and its distributors. Located in the metropolitan area of Mexico City, Corsa is a mini-mill that produces long steel (light merchant bars).

*Multisteel Business Holdings* - In 2014, the Company completed the merger of its associate Multisteel Business Holdings Corp. with the Dominican company Metaldom, originating the jointly-controlled entity Gerdau Metaldom Corp., which will produce long and flat steel for the areas of civil construction, industrial and agricultural, and also scrap processing operations and PVC pipes, with over one million tons/year of installed capacity. As a result of the merger, the Company has contributed its interest of 79.97% on the associate Multisteel Business Holdings Corp. into the newly formed entity Gerdau Metaldom, in exchange of 45% interest on Gerdau Metaldom Corp. This transaction was recorded on fair value basis, which was substantially equivalent to the book value of the previous investment.

*Gerdau Steel India Private Ltd.* - Steel mill in Tadipatri, located in the southern part of Andhra Pradesh state in India. The crude steel capacity of this unit is 250,000 tonnes and 300,000 of rolled steel capacity.

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Gerdau's principal properties are for the production of steel, rolled products and drawn products. The following is a list of the locations, capacities and types of facilities, as well as the types of products manufactured at December 31, 2016:

PLANTS BRAZIL OPERATION	LOCATION		INSTALLED CAPACITY (1,000 tonnes)			EQUIPMENT	PRODUCTS
	COUNTRY	STATE	PIG IRON/ SPONGE IRON	CRUDE STEEL	ROLLED PRODUCTS		
Açonorte			5,252	9,229	7,090	EAF mini-mill, rolling mill, drawing mill, nail and clamp factory	Rebar, merchant bars, wire rod, drawn products and nails
Barão de Cocais	Brazil	PE		265	242	Integrated/blast furnace, LD converter and rolling mill	Merchant bars
Cearense	Brazil	MG	330	330	196	EAF mini-mill, rolling mill	Rebar and merchant bars
Cosigua	Brazil	CE		198	161	EAF mini-mill, rolling mill, drawing mill, nail and clamp factory	Rebar, merchant bars, wire rod, drawn products and nails
Divinópolis	Brazil	RJ		932	1,414	Integrated/blast furnace, EOF converter and rolling mill	Rebar and merchant bars
Guaíra	Brazil	MG	430	570	460	EAF mini-mill	Billet
Riograndense	Brazil	PR		540*		EAF mini-mill, rolling mill, drawing mill, nail and clamp factory	Rebar, merchant bars, wire rod, drawn products and nails
Usiba	Brazil	RS		450	495	Integrated with DRI, EAF mini-mill, rolling mill, drawing mill	Rebar, merchant bars, wire rod and drawn products
São Paulo	Brazil	BA		495*	397*	EAF mini-mill, rolling mill	Billets, rebars and coil rebar
Contagem	Brazil	SP		950	600	Blast furnace	Pig iron
Sete Lagoas	Brazil	MG	132			Blast furnace	Pig iron
Ouro Branco	Brazil	MG	4,360	4,500	3,126	Integrated with blast furnace, LD converter and rolling mills	Billets, blooms, slabs, wire rod, heavy structural shapes and HRC
<b>NORTH AMERICA OPERATION</b>				<b>10,852</b>	<b>8,995</b>		
Mexico	Mexico			500	400	EAF mini-mill, rolling mill	Rebar, merchant bars and beams

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Beaumont	USA	TX	600	602	EAF mini-mill, rolling mill	Wire rod
Calvert City	USA	KY		362	Rolling Mill	Merchant bars, medium structural channel and beams
Cambridge	Canada	ON	330*	290	EAF mini-mill, rolling mill	Rebar, merchant bars
Cartersville	USA	GA	967	580	EAF mini-mill, rolling mill	Merchant bars, structural shapes, beams

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Charlotte	USA	NC	459	281	EAF mini-mill, rolling mill	Rebar, merchant bars
Jackson	USA	TN	714	467	EAF mini-mill, rolling mill	Rebar, merchant bars
Jacksonville	USA	FL	763	620	EAF mini-mill, rolling mill	Rebar, merchant bars
Knoxville	USA	TN	520	550	EAF mini-mill, rolling mill	Rebar
Manitoba - MRM	Canada	MB	361	282	EAF mini-mill, rolling mill	Special sections, merchant bars, rebar
Sayreville	USA	NJ	730	600	EAF mini-mill, rolling mill	Rebar
St. Paul	USA	MN	527	420	EAF mini-mill, rolling mill	Rebar, merchant bars, special bars (SBQ) and round bars
Whitby	Canada	ON	900	788	EAF mini-mill, rolling mill	Structural shapes, rebar, merchant bars
Wilton	USA	IA	359	320	EAF mini-mill, rolling mill	Rebar and merchant bars
Midlothian	USA	TX	1,741	1,408	EAF mini-mill, rolling mill	Rebar, merchant bars and beams
Petersburg	USA	VA	857	562	EAF mini-mill, rolling mill	Merchant bars and beams
Rancho Cucamonga	USA	CA	524	463	EAF mini-mill, rolling mill	Rebar
<b>SOUTH AMERICA OPERATION</b>			<b>400</b>	<b>2,444</b>	<b>2,171</b>	
Chile	Chile		520	530	EAF mini-mill, rolling mill	Rebar, merchant bars, wire rod, nails, wire and mesh.
Uruguay	Uruguay		100	90	EAF mini-mill, rolling mill	Rebar, merchant bars and mesh
Colombia	Colombia		674	545	EAF mini-mill, rolling mill	Rebar, merchant bars, wire rod, shapes and mesh
Argentina	Argentina			263	Rolling mill, drawing mill	Rebar, merchant bars and mesh
Peru	Peru	400	720	573	Blast Furnace, EAF mini-mill, rolling mill	Rebar and merchant bars
Venezuela	Venezuela	250	170		EAF mini-mill, rolling mill	Rebar
<b>SPECIAL STEEL OPERATION</b>			<b>275</b>	<b>3,125</b>	<b>3,733</b>	
Pindamonhangaba	Brazil	SP	620	1.188	EAF mini-mill, rolling mill, finishing and foundry	Bars, wires, wire rod, finished and rolled bar, rolling mill rolls.
Mogi das Cruzes	Brazil	SP	375*	264	EAF mini-mill, rolling mill and finishing	Bars, special profiles
Charqueadas	Brazil	RS	430	465	EAF mini-mill, rolling mill and finishing	Bars, special profiles, wires, wire rod, cold finished bar
Fort Smith	USA	AR	550	550	EAF mini-mill, rolling mill and finishing	Special bars and shapes and cold finished bar



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Jackson	USA	MI	300	276	EAF mini-mill, rolling mill and finishing	Special bars and shapes and cold finished bar
Monroe	USA	MI	600	690	EAF mini-mill, rolling mill and finishing	Special bars and shapes and cold finished bar
India	India	AP	275	250	300	Integrated/blast furnace, converter and rolling mill bars
<b>GERDAU TOTAL</b>			<b>5,927</b>	<b>25,470</b>	<b>21,989</b>	

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\*Temporarily not in use.

While electric arc furnace (EAF) mills produce crude steel from raw materials such as steel scrap or pig iron, a mill with a blast furnace or direct reduction iron (DRI) produces pig iron or sponge iron for use in the production of crude steel, with iron ore and natural gas being the main raw materials.

***Mining Assets****Iron ore mines*

Gerdau's activities related to iron ore mines began after the acquisition of the mining rights of Grupo Votorantim, located in the municipalities of Ouro Preto (Miguel Burnier district), Itabirito and Barão de Cocais, in 2004. These areas are located within the iron producing region in the state of Minas Gerais, Brazil, which is one of the most prominent mineral provinces in Brazil, as illustrated in the figure below.

Ever since this initiative, and with an iron ore consumption rate of approximately 9.0 million tonnes per annum required by its steel production units located in Ouro Branco, Barão de Cocais, Divinópolis and Sete Lagoas, in the State of Minas Gerais, Gerdau's supply is partially handled by mining companies along with steel plants, and the mines owned by the company.

Focused on ensuring its iron ore self-sufficiency within the state of Minas Gerais, and searching for the opportunity to add value to its business by the use of its own mineral resources, Gerdau until 2014 conducted surveys to assess and implement expansions projects of its mining operations in order to establish itself as a player in the global iron ore market. However, with the current price of iron ore in the international market, Gerdau decided to focus only on the production of iron ore to its self-sufficiency.

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*Gerdau's mining location*

Current iron ore production units, as well as any future units, are or will be primarily comprised of open pit mines, processing plants, waste piles, tailings dams, and logistics and operational support infrastructure.

Current and future iron ore production units are grouped as follows:

- Miguel Burnier/Dom Bosco Complex: encompasses the mines located in Miguel Burnier, as well as the Dom Bosco mines;
- Várzea do Lopes Complex;
- Gongo Soco. There are no mining activities in this location.

The table below shows the payments made to the Brazilian government related to resource extractions, related to 2016.



	CFEM (Financial Compensation for Exploitation of Mineral Resources)		TFRM (Inspection Fee for Mineral Resources)	
<b>Miguel Burnier</b>	R\$	155 thousand	R\$	3,139 thousand
<b>Várzea do Lopes</b>	R\$	11,668 thousand	R\$	349 thousand

#### Financial Compensation for Exploitation of Mineral Resources (CFEM)

As established by the Brazilian Federal Constitution, CFEM is due to the states, the Federal District, the municipalities and agencies of the federal public administration by way of consideration for the economic use of mineral resources in their respective territories, leaving the DNPM to carry out the oversight its collection.

In iron ore trading, the CFEM is calculated based on the net amount obtained from the sale of mineral products. Net sales revenue is understood as the amounts received from the sale of mineral products after deducting the taxes (ICMS, PIS/COFINS) levied on the sale as well as the expenses with transport, insurance and freight.

When the mineral substance is consumed, manufactured or processed, the CFEM is always applicable after the last processing stage adopted and before its manufacturing.

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The rate of CFEM applicable to iron ore is 2.0%.

**Inspection Fee for Mineral Resources (TFRM)**

The event triggering the TFRM is the sale of the extracted mineral or ore or its transfer between facilities owned by the same person in a different state of Brazil or abroad. The fee is paid by the natural or legal persons authorized to research, extract, explore or use mineral resources for any purpose.

In the State of Minas Gerais, the amount of TFRM, according to Article 8 of Law No. 19.976/2011, corresponds to one unit of the Fiscal Unit of the State of Minas Gerais (UFEMG) in force on the due date of the fee per tonne of mineral or crude ore extracted.

The amount payable as TFRM is calculated on a monthly basis based on the amounts of minerals or ore indicated on the tax documents for the sale or transfer to a facility owned by the same person located in a different state of Brazil or abroad. This amount in tonnes is then subjected to deductions consisting of the amounts of mineral or ore acquired, the amounts received from transfers between facilities owned by the same person located in another state of Brazil or abroad, and the amounts extracted from the area of the state of Minas Gerais under the scope of the Northeast Development Superintendence (SUDENE) and received in transfer from facilities owned by the same person.

If the number of tonnes calculated based on the sales and transfers in the period is less than the number of tonnes to be deducted, the difference will be carried forward for deduction in the subsequent calculation periods.

*Location and Access*

***Miguel Burnier/Dom Bosco Complex***

Miguel Burnier and Dom Bosco are located in the municipality of Ouro Preto, in the southwestern portion of the iron producing region in the state of Minas Gerais, Brazil, at approximately 80 km from Belo Horizonte and 5 km from Vila do Pires, on federal highway BR-040. The Dom Bosco Mine is located at approximately 11 km from the Miguel Burnier Mine. Vila do Pires is established off both sides of federal highway BR-040, north from the city of Congonhas. The mines are accessed through a 3 km-long non-paved road from the Miguel Burnier village.

***Várzea do Lopes Complex***

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Várzea do Lopes is located in the Itabirito municipality, in the western portion of the iron producing region in the state of Minas Gerais, Brazil, and is established at approximately 46 km from downtown Belo Horizonte. Access to the mine from Belo Horizonte is through BR-040, in the direction towards Rio de Janeiro. Várzea do Lopes is located at approximately 20 km from Miguel Burnier, in a straight line.

### *Gongo Soco*

Gongo Soco is located in the municipality of Barão de Cocais, in the northwestern portion of the iron producing region in the state of Minas Gerais, Brazil, at approximately 110 km from Belo Horizonte, 8 km from the municipality of Barão de Cocais, and 170 km from Miguel Burnier. Access from Belo Horizonte is through BR-381/262 and MG-436 highways.

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The figure below displays the locations of current and future iron ore production units and main accesses:

*Geology and Mineralization*

The iron ore sites owned by Gerdau are located in the Quadrilátero Ferrífero (QF), a large gold, iron, aluminum and manganese metallogenetic district covering approximately 7,000 km<sup>2</sup> in the southern portion of the São Francisco Craton.

The Quadrilátero Ferrífero consists of Archaean terrains (Rio das Velhas Supergroup) overlain by Proterozoic platform sediments (Minas and Espinhaço Supergroups). The current setting of the Quadrilátero Ferrífero results from two deformational events. The first represents an extensional event of Paleoproterozoic age (2100-1700 My) forming granitic-gneissic domes with syncline cores overlying the strata of the Rio das Velhas and Minas Supergroups. The second is a compressional event associated with the closure of the Africa/Brazil proto-ocean (650-500 My) located east of the QF. A west-oriented folding belt developed during this event.

- **Miguel Burnier:** The Miguel Burnier Complex is located in the southwestern portion of the QF, Serra do Dom Bosco. Itabirites and rocks of the Gandarela and Cauê Formations and rocks of the Piracicaba Group (Minas Supergroup) outcrop therein. The Serra Dom Bosco area is regionally characterized as a syncline, known as Dom Bosco Syncline. The typologies have been classified according to information collected during field visits, from internal reports, drill cores, thin plates, etc.

- Dom Bosco: The Dom Bosco Mine is also located in the southwestern portion of the QF, Serra do Dom Bosco. Itabirites and rocks of the Cauê Formation and Piracicaba Group (Minas Supergroup) outcrop therein.
- Várzea do Lopes: The Várzea do Lopes Complex is located in the western portion of the QF, Serra da Moeda. Itabirites and rocks of the Cauê Formation and Gandarela Formation (Minas Supergroup) outcrop therein.
- Gongo Soco: The geological mapping carried out characterized six pre-Cambrian lithologic units and a Tertiary/Quaternary unit. The pre-Cambrian units outcrop as a normal stratigraphic sequence, being the oldest sequence topographically located on the higher portion of the area, and the youngest on the lower portion, is located in the structural framework of the normal limb of the Gandarela Syncline.

Table of Contents*Facilities*

Gerdaus mines and facilities are currently operated with the purpose of supplying its steel plants located in the state of Minas Gerais. However, the Company is striving to develop its mineral resources and achieve more significant operations. Planned and ongoing operations are described below. The Run of Mine (ROM) extracted from them is transported to ore treatment plants (OTP). In order to meet processing requirements, the following production units are considered:

- OTP 1: commissioned, in Miguel Burnier, since October 2004, with production capacity of 1.5 Mtpa (natural basis) of sinter feed (wholly-owned by Gerdaus);
- OTP 2: phase 1 started operations (start up and ramp up) in September 2013, in Miguel Burnier, with total production capacity of 5.6 Mtpa (natural basis) of lump ore, small lump ore, sinter feed, and pellet feed (wholly-owned by Gerdaus).

Gerdaus total production capacity today is 11.5 Mtpa, considering capacity from OTP 1, OTP 2 and dry processing plants.

The main processing stages of the production units under operational or implementation phases are set forth in the table below.

OTP 1	OTP 2 (phase 1)
Crushing;	Crushing;
Screening classification;	Screening classification;
Grinding;	Deliming;
Spiral concentrators;	Screening dewatering;
Desliming;	Tailing thickening;

The average monthly electricity consumption of processing plants in 2016 was 1,379 (kW / h).

A summary of the water supply system in 2016 for the processing facilities is provided in the table below. There are sufficient reserves of water to supply all covered facilities, in compliance with applicable legal criteria.

	Total Water with Recirculation (m3)	Make up (m3)
<b>OTPs - Ore Treatment Plants</b>	1,189,200	539,200

## Investment Programs

In fiscal year 2016, capital expenditure on fixed assets was R\$ 1,323.9 million. Of this total, 46.0% was allocated to the operations in Brazil and the remaining 54.0% was allocated to the other operations among the countries in which Gerdau operates.

*Brazil Business Division* a total of R\$ 608.5 million was invested in this operation for capital expenditure. The main highlight was the installation work of flat steel rolling mill (heavy plates) at Ouro Branco mill, which came on stream in July, 2016.

*North America Business Division* this business division spent R\$ 227.4 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

*South America Business Division* in 2016, the South American units spent R\$ 347.0 million for capital expenditure on fixed assets distributed among the countries in which the units from this business division are located. Part of this investment is being used to build a new melt shop in Argentina, which will have a capacity of 650,000 tonnes of steel per year and will start operation in March, 2017.

*Special Steel Business Division* the special steel units spent R\$ 140.9 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent on the maintenance of the production units.

The disbursements in fixed assets planned for 2017 are estimated at R\$ 1.3 billion, and include productivity and maintenance investments. The table below shows the main projects for the years to come:

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**Environmental Issues**

Gerdau S.A is currently in compliance with environmental regulations. The Company also believes that there are no environmental issues that could affect the use of its fixed assets.

In 2016, Gerdau S.A. invested R\$ 234.0 million in the improvement of its eco-efficiency practices and in technologies for the protection of the air, water and soil.

***Environmental Regulation***

In all of the countries in which the Company operates, it is subject to federal, state and municipal environmental laws and regulations governing air emissions, wastewater discharges and solid and hazardous waste handling and disposal. Its manufacturing facilities have been operating under the applicable environmental rules. The respective permits and licenses require the satisfaction of various performance standards, which are monitored by regulatory authorities. The Company employs a staff of experts to manage all phases of its environmental programs and uses outside experts where needed. The Company works to assure that its operations maintain compliance in all material respects with the applicable environmental laws, regulations, permits and licenses currently in effect. When Gerdau acquires new plants, it conducts an assessment of potential environmental issues and prepares a work plan in compliance with the local authorities.

In most countries, both federal and state governments have the power to enact environmental protection laws and issue regulations under such laws. In addition to those rules, the Company is also subject to municipal environmental laws and regulations. Under such laws, individuals or legal entities whose conduct or activities cause harm to the environment are usually subject to criminal and administrative sanctions, as well as any costs to repair the actual damages resulting from such harm.

Individuals are subject to penalties and sanctions that range from fines to imprisonment and for legal entities the suspension or interruption of its operations and prohibition to enter into any contracts with government agencies.

Government environmental protection agencies may also impose administrative sanctions on individuals and entities that fail to comply with environmental laws and regulations that include:

- fines;
- partial or total suspension of operations;



- obligations to provide compensation for recovery works and environmental projects;
- forfeiture of or restrictions on tax incentives and benefits;
- closing of establishments or enterprises; and
- forfeiture or suspension of participation in credit lines with official credit agencies.

The steel industry uses and generates substances that may damage the environment. The Company's management performs frequent surveys with the purpose of identifying potentially impacted areas and records based on best cost estimate. The amounts estimated for investigation, treatment and cleaning of potentially affected sites, totaling R\$ 83,806 as of December 31, 2016 (R\$ 17,737 recorded in Current Liabilities and R\$ 66,069 recorded in Non-Current Liabilities), R\$ 163,806 as of December 31, 2015 (R\$ 27,736 recorded in Current Liabilities and R\$ 136,070 recorded in Non-Current Liabilities) and R\$ 116,421 as of December 31, 2014 (R\$ 23,025 recorded in Current Liabilities and R\$ 93,396 recorded in Non-Current Liabilities). The Company used estimates and assumptions to determine the amounts involved, which can vary in the future, due to the final investigations and the determination of the actual environmental impact. See also Note 20 – Environmental Liabilities.

As of December 31, 2016, the updated present value of the total remaining amount of Brazilian Environment Liabilities was estimated at R\$ 55.7 million. Some of these areas have already been recovered and some areas are still being evaluated.

Gerdau Ameristeel and Macsteel estimate clean-up costs based on a review of the anticipated remedial activities to be undertaken at each of their respective known contaminated sites. Although the ultimate costs associated with such remedies are not precisely known, the Company has estimated the present value of the total remaining costs as of December 31, 2016 at approximately R\$ 28.1 million, with these costs recorded as a liability in its financial statements.

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***Brazilian Environmental Legislation***

The Company's activities are subject to wide-sweeping Brazilian environmental legislation at the federal, state and municipal levels that govern, among other aspects, the dumping of effluents, atmospheric emissions and the handling and final disposal of dangerous waste, as well as the obligation to obtain operating licenses for the installation and operation of potentially polluting activities.

Brazilian environmental legislation provides for the imposition of criminal and administrative penalties on natural persons and legal entities that commit environmental crimes or infractions, as well as for the obligation to repair the environmental damage caused. Although the Company has never suffered any environmental penalties that could have a relevant impact on its business, potential environmental crimes or infractions could subject the Company to penalties that include:

- fines that at the administrative level could reach as high as R\$ 50 million, depending on the violator's economic capacity and past record, as well as the severity of the facts and prior history, with the amounts potentially doubled or tripled in the case of repeat offenders;
- suspension of or interference in the activities of the respective enterprise; and
- loss of benefits, such as the suspension of government financing and the inability to qualify for public bidding processes and tax breaks.

In addition, strict liability is applicable to environmental crimes for both natural persons and legal entities. Environmental legislation also provides for disregarding the legal status of a company's controlling shareholder whenever such status represents an impediment to receiving restitution for environmental damages.

In the civil sphere, environmental damage results in joint and several liability as well as strict liability. This means that the obligation to repair the environmental damage may affect all those directly or indirectly involved, regardless of any proof of who is to blame. As a result, the hiring of third parties to intervene in its operations to perform such services as final disposal of solid waste does not exempt the Company from liability for any environmental damage that may occur.

***North American Environmental Legislation***

The Company is required to comply with a complex and evolving body of Environmental, Health and Safety Laws (EHS Laws) concerning, among other things, air emissions, discharges to soil, surface water and groundwater, noise control, the generation, handling, storage,

transportation and disposal of toxic and hazardous substances and waste, the clean-up of contamination, indoor air quality and worker health and safety. These EHS Laws vary by location and can fall within federal, provincial, state or municipal jurisdictions.

Most EHS Laws are of general application but result in significant obligations in practice for the steel sector. For example, the Company is required to comply with a variety of EHS Laws that restrict emissions of air pollutants, such as lead, particulate matter and mercury. Because the Company's manufacturing facilities emit significant quantities of air emissions, compliance with these laws does require the Company to make investments in pollution control equipment and to report to the relevant government authority if any air emissions limits are exceeded. The government authorities typically monitor compliance with these limits and use a variety of tools to enforce them, including administrative orders to control, prevent or stop a certain activity; administrative penalties for violating certain EHS Laws; and regulatory prosecutions, which can result in significant fines and (in rare cases) imprisonment. The Company is also required to comply with a similar regime with respect to its wastewater. EHS Laws restrict the type and amount of pollutants that Company facilities can discharge into receiving bodies of waters, such as rivers, lakes and oceans, and into municipal sanitary and storm sewers. Government authorities can enforce these restrictions using the same variety of tools noted above.

The Company has installed pollution control equipment at its manufacturing facilities to address these emissions and discharge limits, and has an environmental management system in place designed to reduce the risk of non-compliance.

#### ***Environmental Permits***

According to Brazilian environmental legislation, the proper functioning of activities considered effectively or potentially polluting or that in some way could cause environmental damage requires environmental licenses. This procedure is necessary for both the activity's initial installation and operating phases as well as for its expansion phases, and these licenses must be renewed periodically.

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The Brazilian Institute for the Environment and Renewable Resources (IBAMA) has jurisdiction to issue licenses for projects with national or regional environmental impacts. In all other cases, the state environmental agencies have jurisdiction and, in the case of local impact, the municipal agencies have jurisdiction.

Environmental licensing of activities with significant environmental impacts is subject to a Prior Environmental Impact Study and respective Environmental Impact Report (EIA/RIMA), as well as the implementation of measures to mitigate and compensate for the environmental impact of the project.

The environmental licensing process includes the issuance of three licenses: Pre-License (LP), Installation License (LI) and Operational License (LO). These licenses are issued in accordance with each phase of project implementation, and maintaining their validity requires compliance with the requirements established by the environmental licensing agency. The failure to obtain an environmental license, regardless of whether or not the activity is actually harming the environment, is considered an environmental crime and an administrative infraction, subjecting the violator to administrative fines, at the federal level (subject to being doubled or tripled in the case of repeat violations), and the suspension of operations. The Operational License (LO) must be renewed periodically.

The Company's operations currently comply with all legal requirements related to environmental licenses. However, any delay or refusal on the part of environmental licensing agencies to issue or renew these licenses, as well as any difficulty on its part to meet the requirements established by these environmental agencies during the course of the environmental licensing process, could jeopardize or even impair the installation, operation and expansion of new and current projects.

***Areas of permanent forest preservation and legal reserves***

Some activities of the Company, mainly those involving reforestation to produce thermal-reducer used in its industrial units, are subject to the Brazilian Forest Code.

The Code determines that certain areas, because of their importance for preserving the environment and water resources, be considered permanent preservation areas (APP). These include areas adjacent to rivers or natural or artificial reservoirs, and hilltops and hillside properties with an incline steeper than 45°. At Gerdau's forest units, permanent preservation areas are an integral part of the business and are protected in compliance with the law.

Moreover, depending on the region where the property is located, the Code requires rural land owners to restore and preserve between 20%, 35% or 80% of areas containing native vegetation. The maintenance of these percentages of native vegetation is important because it guarantees the preservation of the local natural vegetation, perpetuating the genetic resources and the biodiversity of each Brazilian biome. Gerdau maintains its Legal Reserve areas preserved and in accordance with governing legislation.

**ITEM 4A.**

**UNRESOLVED SEC STAFF COMMENTS**

The Company has no unresolved comments from the staff of the U.S. Securities and Exchange Commission with respect to its periodic reports under the Securities Exchange Act.

**ITEM 5.**

**OPERATING AND FINANCIAL REVIEW AND PROSPECTS**

The following discussion of the Company's financial condition and results of operations should be read in conjunction with the Company's audited consolidated financial statements as of December 31, 2016, 2015 and 2014, included in this Annual Report that have been prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standard Board (IASB) as well as with the information presented under Presentation of Financial and Other Information and Selected Financial and Other Information of Gerdau.

The following discussion contains forward-looking statements that are based on management's current expectations, estimates and projections and that involve risks and uncertainties. The Company's actual results may differ materially from those discussed in the forward-looking statements as a result of various factors, including those described in the sections Forward-Looking Statements and Risk Factors.

The primary factors affecting the Company's results of operations include:

- Economic and political conditions in the countries in which Gerdau operates, especially Brazil and the U.S.;
- The fluctuations in the exchange rate between the Brazilian *real* and the U.S. dollar;
- The cyclical nature of supply and demand for steel products both inside and outside of Brazil, including the prices for steel products;

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- The Company's level of exports; and
- The Company's production costs.

**Brazilian Economic Conditions**

The Company's results and financial position depend largely on the situation of the Brazilian economy, notably economic growth and its impact on steel demand, financing costs, the availability of financing and the exchange rates between Brazilian and foreign currencies.

Since 2003, the Brazilian economy has become more stable, with significant improvement in the main indicators. The continuity of the macroeconomic policies focused on tax matters, the inflation-targeting system, the adoption of a floating foreign exchange rate, the increase in foreign investment and compliance with international financial agreements, including the full repayment of debt with the International Monetary Fund, contributed to the improved economic conditions in Brazil. The international crisis associated with the end of the commodities super cycle and the exhaustion of the domestic growth model leveraged by credit-driven consumption, resulted in the worst recession that Brazil has experienced in the last quarter of a century.

In 2014, Brazilian GDP grew by 0.1% (US\$ 5.5 trillion Nominal GDP). Inflation, as measured by the IPCA index, stood at 6.4%. The average CDI rate in the year was 11.5%. The Brazilian *real* depreciated by 13.4% against the U.S. dollar, ending the year at R\$ 2.66 to US\$1.00.

In 2015, Brazilian GDP decreased by 3.8% (US\$ 1.8 trillion Nominal GDP). Inflation, as measured by the IPCA index, stood at 10.7%. The average CDI rate in the year was 14.1%. The Brazilian *real* depreciated by 47.0% against the U.S. dollar, ending the year at R\$ 3.90 to US\$ 1.00.

In 2016, Brazilian GDP decreased by 3.6% (US\$ 1.9 trillion Nominal GDP). Inflation, as measured by the IPCA index, stood at 6.3%. The average CDI rate in the year was 13.6%. The Brazilian *real* appreciated by 17.0% against the U.S. dollar, ending the year at R\$3.26 to \$1.00.

The recession appears to be nearing its end, but recovery is expected to be gradual. See the discussion below under **Trend Information**

Moreover, a significant portion of the Company's debt denominated in Brazilian *reais* is subject to interest at the CDI and TJLP rates, which are affected by many factors including inflation in Brazil. Another portion of the Company's debt, denominated in Brazilian *reais*, is indexed to general-inflation indexes, generally the IGP-M index. Therefore, higher inflation may result in increases in the Company's financial expenses and debt service obligations.

The interest rates that the Company pays depend on a variety of factors such as; movements on the interest rates, which can be driven by inflation; ratings given by the credit rating agencies that assess the Company; as well as the Company's debt securities that are traded in the secondary market, as bonds. The Company's debt obligations with floating interest rates, exposes the Company to market risks from changes in the CDI rate, IGP-M index and LIBOR. To reduce its exposure to interest rate risk, the Company seeks from time to time to enter into hedging arrangements to mitigate fluctuations in these rates, such as LIBOR.

The table below presents GDP growth, inflation, interest rates and the foreign exchange rate between the U.S. dollar and the Brazilian *real* for the periods shown.

		2016		2015		2014
Actual GDP growth		-3.6%		-3.8%		0.1%
Inflation (IGP-M) (1)		7.2%		10.5%		3.7%
Inflation (IPCA) (2)		6.3%		10.7%		6.4%
CDI rate (3)		13.6%		14.1%		11.5%
6-month LIBOR		1.3%		0.9%		0.4%
Depreciation (appreciation) in the Brazilian <i>real</i> against the U.S. dollar		(17.0)%		47.0%		13.4%
Foreign exchange rate at end of period	\$1.00	R\$ 3.2591	R\$	3.9048	R\$	2.6562
Average foreign exchange rate	\$1.00 (4)	R\$ 3.4833	R\$	3.3399	R\$	2.3547

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Sources: Getúlio Vargas Foundation, Central Bank of Brazil and Bloomberg

- (1) Inflation as measured by the General Market Price index (IGP-M) published by the Getúlio Vargas Foundation (FGV).
- (2) Inflation as measured by the Board Consumer Price Index (IPCA) measured by Brazilian Institute of Geography and Statistics (IBGE).
- (3) The CDI rate is equivalent to the average fixed rate of interbank deposits recorded during the day in Brazil (annualized monthly cumulative figure at end of period).
- (4) Average of the foreign exchange rates, according to the Brazilian Central Bank, on the last day of each month in the period indicated.

**U.S. Economic Conditions**

In view of the size of the Company's operations in the United States, U.S. economic conditions have a significant effect on the Company's results, particularly with regard to U.S. economic growth and the related effects on steel demand, financing costs and the availability of credit.

In the United States, Real GDP began to fall in the third quarter of 2008 (down 2.7% annualized) before falling at a 5.4% annual rate in the fourth quarter of 2008 as uncertainty and tight credit conditions led companies to preserve cash, leading to a drawdown in inventories throughout the supply chain. Inventory reduction continued on a much wider scale in the first quarter of 2009, accounting for about one-half of the 6.4% drop in annualized Real GDP. The second quarter of 2009 saw demand begin to stabilize, with Real GDP falling at a 0.7% pace as domestic demand and inventories bottomed out. Supported by the Cash for Clunkers program, which drove a sharp rise in auto sales, and first-time homebuyer incentives, which supported improved housing starts, Real GDP in the United States grew by 5.7% in the fourth quarter of 2009, as re-stocking of inventories outweighed the continued negative impact of rising unemployment on consumption. Throughout the last three years, the United States economy kept showing a gradual recovery, with an increase in the demand for steel products. The improvements in the automotive sector and the recovery in the non-residential construction sector were the drivers of the recovery in demand.

In 2014, according to the IMF (International Monetary Fund) the U.S. Real GDP grew by 2.4% (US\$ 17.4 trillion Nominal GDP), with a trade deficit of US\$ 538.1 billion. Inflation, as measured by the CPI, was 1.6%. The average Fed Funds rate (the interest rate established by the U.S. Federal Reserve) was 0.25%.

In 2015, according to the IMF (International Monetary Fund) the U.S. Real GDP grew by 2.6% (US\$ 18.0 trillion Nominal GDP), with a trade deficit of US\$ 539.8 billion. Inflation, as measured by the CPI, was 0.1%. The average Fed Funds rate (the interest rate established by the U.S. Federal Reserve) was 0.50%.

In 2016, according to the IMF (International Monetary Fund) the U.S. Real GDP grew by 1.6% (US\$ 18.6 trillion Nominal GDP), with a trade deficit of US\$ 499.5 billion. Inflation, as measured by the CPI, was 1.3%. The average Fed Funds rate (the interest rate established by the U.S. Federal Reserve) was 0.75%.



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The table below presents actual U.S. Real GDP growth, inflation and interest rates for the periods indicated.

	2016	2015	2014
Actual Real GDP growth (1)	1.6%	2.6%	2.4%
Inflation (CPI) (2)	1.3%	0.1%	1.6%
Fed Funds (3)	0.75%	0.50%	0.25%

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Sources: International Monetary Fund and Federal Reserve Statistical Release

(1) Real GDP growth (annual percent change) published by the International Monetary Fund (IMF).

(2) Consumer price index, average of consumer prices (annual percent change) published by the International Monetary Fund (IMF). The CPI is a survey of consumer prices for all urban consumers.

(3) Fed Funds corresponds to the interest rate set by the U.S. Federal Reserve.

### Impact of Inflation and Fluctuations in Exchange Rates

Gerdaus results and its financial position are largely dependent on the state of the Brazilian economy, notably (i) economic growth and its impact on steel demand, (ii) financing costs and the availability of financing, and (iii) the rates of exchange between the Brazilian *real* and foreign currencies.

For many years, Brazil experienced high inflation rates that progressively eroded the purchasing power of the vast majority of the population. During periods of high inflation, effective salaries and wages tend to fall because the frequency and size of salary and wage adjustments for inflation usually do not offset the actual rate of inflation. Brazil is facing its worst recession in the last quarter of century, with the end of the commodities super cycle and the exhaustion of the domestic growth model leveraged by credit-driven consumption. Despite the recession, inflation remained at a high level until mid-2016. In the last few months of 2016, inflation

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fell sharply and Brazil Central Bank started a long and intense cycle of interest rate reduction, without jeopardizing the goal of attaining the target of 4.5% for IPCA.

A portion of Gerdau's trade accounts receivable, trade accounts payable and debt is denominated in currencies other than the respective functional currencies of each subsidiary. The functional currency of the Brazilian operating subsidiaries is the Brazilian *real*. Brazilian subsidiaries have some of their assets and liabilities denominated in foreign currencies, mainly the U.S. dollar.

The foreign exchange effect on translation of foreign subsidiaries is recorded directly in shareholders' equity. Foreign exchange gains and losses on transactions, including the exchange gains and losses on some non-*real* denominated debt of the subsidiaries in Brazil are recognized in the statement of income. However, gains and losses from debts contracted for acquisition of overseas investments are designated as a hedge of investment in foreign subsidiaries, and are also recorded directly in shareholders' equity. The operations of Gerdau in Brazil have both liabilities and assets denominated in foreign currency, with the amount of assets exceeding the amount of liabilities. The effect of the valuation of the Brazilian *real* versus other currencies (mainly the U.S. dollar) has a net positive effect in our shareholders' equity.

**The cyclical nature of supply and demand for steel products including the prices of steel products**

The prices of steel products are generally sensitive to changes in world and local demand, which in turn are affected by economic conditions in the world and in the specific country. The prices of steel products are also linked to available installed capacity. Most of the Company's long rolled steel products, including rebars, merchant bars and common wire rods, are classified as commodities. However, a significant portion of the Company's long rolled products, such as special steel, wire products and drawn products, are not considered commodities due to differences in shape, chemical composition, quality and specifications, with all of these factors affecting prices. Accordingly, there is no uniform pricing for these products.

Over the last ten years, annual world crude steel production volume has varied from between 1,235 million tonnes and 1,670 million tonnes. According to the worldsteel, world crude steel production in 2016 was 1,629 million tonnes, 0.8% higher than in 2015. China's crude steel production in 2016 reached 808.4 million tonnes, an increase of 1.2% over 2015. In 2016, China's share of world steel production was 49.6% of total crude steel. According to worldsteel, world demand for finished steel products increased by 0.7% in 2014, decreased by 3.0% in 2015 and the forecast for 2016 is an increase of 0.2%. For 2017, the forecast calls for growth of 0.5%, since the current scenario is a stabilization of the Chinese economy and recoveries in developed economies continue to advance.

International steel prices have declined around 23.5% over the last five years (2012-2016), this is due mainly to excess installed capacity in the world. International steel prices have experienced ups and downs throughout the period from the fourth quarter of 2007 and through the fourth quarter of 2009, when the average price per tonne of CIS export billet at Black Sea/Baltic Sea was an average of \$512 in the fourth quarter of 2007, skyrocketing to \$1,205 in June 2008, slumping to \$295 in March 2009 and reaching \$415 at the end of 2009. This swing in the steel price was mainly caused by the turmoil in the world economy and the surplus supply of steel products in a scenario of lower demand. In December 2016, the price has increased 62.2% when to December of 2015, going from \$ 245 to \$ 398, due to the increase of raw materials prices.

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The average price per tonne of the CIS export billet at the Black Sea/Baltic Sea is used as a reference for the international price, and it is possible to see its evolution in the chart below:

*Average Price of CIS Export Billet at Black Sea/Baltic Sea (\$ per Tonne)*

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Sources: Metal Bulletin and Steel Business Briefing

*Export levels* - during periods of lower domestic demand for the Company's products, the Company actively pursues export opportunities for its excess production in order to maintain capacity utilization rates and shipments. During periods of higher domestic demand for its products, export sales volumes may decline as the Company focuses on satisfying domestic demand. Gerdau exports products from Brazil to customers in other continents with whom we have long-established commercial relations. In 2016, exports were 8.6% higher than 2015 from 2,173 million tonnes in 2015 to 2,360 in 2016, which represented 38.9% of all shipments by the Company's Brazilian units, in 2015 exports represented 33.7% of total shipments from Brazil operations. This increase was due to the opportunities in the international market. Export revenue totaled R\$ 3,066 million in 2016 (R\$ 3,175 million in 2015).

*Production costs* - raw materials account for the highest percentage of the Company's production costs. Metallic inputs, which includes scrap, pig iron, iron ore, coke and metallic alloys, represented approximately 41.3% of production costs in 2016, while Energy and Reducing Agents, which represents the cost of coal, electricity, oxygen, natural gas and fuel oil, accounted for 14.3%. Personnel totaled 21.6% of production costs and Specific Materials, which includes refractories, electrodes, rolling cylinders, rollers, guides, carburants and lime, were 9.7% of total production costs. The table below presents the production costs breakdown by business division (BD):

***Production Costs Breakdown in 2016 (%)***

% of costs	2016 Consolidated	2015	2016 Brazil BD	2015	2016 North America BD	2015	2016 South America BD	2015	2016 Special Steel BD	2015
Personnel	21.6	20.3	21.9	22.2	22.2	20.4	13.8	13.6	24.3	21.0
Maintenance	7.1	6.9	6.7	6.8	8.3	7.6	4.6	4.5	6.3	6.7
Depreciation	6.0	5.7	8.2	7.9	4.8	4.2	4.0	3.7	6.6	6.6
Metallic Inputs	41.3	44.3	26.9	30.2	46.9	50.0	59.8	62.2	39.3	41.9
Energy and Reducing Agents	14.3	13.4	27.1	24.4	7.5	7.8	11.2	10.0	12.4	12.6
Specific Materials	9.7	9.4	9.2	8.5	10.3	10.0	6.6	6.0	11.1	11.2

**Significant events affecting financial performance during 2016**

*Exchange rate* In accordance with IFRS, the Company has designated a portion of its debt denominated in foreign currency and contracted by companies in Brazil as a hedge for a portion of the net investments in foreign subsidiaries. As a result, the effects from exchange variation gains or losses on the portion of debt designated for hedge accounting are also recognized in shareholders' equity. The subsidiaries that issued the debt are not subject to income taxes and as such there is no income tax effect on the exchange gains and losses on the debt. However the subsidiaries have loaned the proceeds to other entities in Brazil with terms identical to those of the Ten Year Bonds. The payable by the subsidiaries in Brazil to the foreign subsidiaries denominated in US dollars generates exchange gains (losses) that are

taxable and results in income tax recognized in the income statement, while these exchange variances are eliminated in consolidation with the offsetting exchange gains (losses) recognized by the foreign subsidiaries.

Starting from April 1, 2012, with the objective of eliminating the tax effect from the exchange variance of these debts, the Company designated the bulk of its debt in foreign currency as a hedge for a portion of the investments in subsidiaries located outside Brazil. As a result, the exchange variation on the amount of US\$ 2.5 billion (US\$ 2.3 billion related to the Ten/Thirty Years Bonds and US\$ 0.2 billion related to other financing operations) was recognized in the statement of comprehensive income, while the exchange variation on the portion of US\$ 1.0 billion is now recognized in income.

*Impairment of assets* In the fourth quarter of 2016, the Company concluded the impairment test of goodwill and other long-lived assets in its segments. This analysis identified goodwill impairment amounting R\$ 2,678.6 million for the North America business division. The other segments did not present losses from asset impairments on goodwill in the tests conducted in 2016. Furthermore, in the fourth quarter of 2016, the Company identified the impairment of fixed assets in the amount of R\$ 239.3 million, of which R\$ 138.8 million was attributable to the South America business division and R\$ 100.6 million was attributable to the North America business division, resulting from a recoverable amount below the carrying value.

#### **Results of Operations**

The following presentation of the Company's operating results for the years ended December 31, 2016, 2015 and 2014 is based on the Company's consolidated financial statements prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB) included in this Annual Report. References to increases or decreases in any year or period are made in relation to the corresponding prior year or period, except where stated otherwise.

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The table below presents information for various income statements items and are expressed in both reais and as a percentage of net sales for each of the respective years:

	2016		For the year ended December 31,				Variation 2016/ 2015	Variation 2015/ 2014
	R\$ million	% net sales	R\$ million	% net sales	R\$ million	% net sales		
Net sales	37,652	100.0%	43,581	100.0%	42,546	100.0%	(13.6)%	2.4%
Cost of Sales	(34,188)	(90.8)%	(39,290)	(90.2)%	(37,406)	(87.9)%	(13.0)%	5.0%
Gross profit	3,464	9.2%	4,291	9.8%	5,140	(12.1)%	(19.3)%	(16.5)%
Operating expenses:								
Selling expenses	(711)	(1.9)%	(785)	(1.8)%	(691)	(1.6)%	(9.4)%	13.6%
General and administrative expenses	(1,528)	(4.1)%	(1,797)	(4.1)%	(2,037)	(4.8)%	(15.0)%	(11.8)%
Other operating income	242	0.6%	213	0.5%	238	0.6%	13.6%	(10.5)%
Other operating expenses	(114)	(0.3)%	(116)	(0.3)%	(151)	(0.4)%	(1.7)%	(23.2)%
Impairment of assets	(2,918)	(7.7)%	(4,996)	(11.5)%	(339)	(0.8)%	(41.6)%	1,373.7%
Results in operations with subsidiaries, associate and jointly controlled entity	(58)	(0.2)%			637	1.5%		
Equity in earnings of unconsolidated companies	(13)	0.0%	(25)	(0.1)%	102	0.2%	(48.0)%	(124.1)%
Net (loss) Income Before Financial Income (Expenses) and Taxes	(1,636)	(4.3)%	(3,216)	(7.4)%	2,899	6.8%	(49.1)%	(210.9)%
Financial income	252	0.7%	378	0.9%	276	0.6%	(33.3)%	37.0%
Financial expenses	(2,010)	(5.3)%	(1,780)	(4.1)%	(1,397)	(3.3)%	12.9%	27.4%
Exchange variations, net	852	2.3%	(1,564)	(3.6)%	(476)	(1.1)%	(154.5)%	228.6%
Gains and losses on financial instruments, net	(39)	(0.1)%	87	0.2%	36	0.1%	(144.8)%	141.7%
Income and social contribution taxes	(304)	(0.8)%	1,498	3.4%	150	0.4%	(120.3)%	898.7%
Net income (Loss)	(2,886)	(7.7)%	(4,596)	(10.5)%	1,488	3.5%	(37.2)%	(408.8)%

**Year Ended December 31, 2016 Compared with Year Ended December 31, 2015***Net Sales*

Net Sales by Business Divisions(*) (R\$ million)	Year ended December 31,		Variation Year ended December 31, 2016/ Year ended December 31, 2015
	2016	2015	
Brazil	11,635	12,977	(10.3)%
North America	15,431	17,312	(10.9)%
South America	4,776	5,477	(12.8)%
Special Steel	6,885	8,882	(22.5)%

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Intercompany Eliminations	(1,075)	(1,067)	
<b>Total</b>	<b>37,652</b>	<b>43,581</b>	<b>(13.6)%</b>

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(\*) The information does not include data from the associate and jointly-controlled entities.

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Net Sales per tonne by Business Divisions(*) (R\$/tonne)	Year ended December 31, 2016	Year ended December 31, 2015	Variation Year ended December 31, 2016/ Year ended December 31, 2015
Brazil	1,918	2,010	(4.6)%
North America	2,587	2,778	(6.9)%
South America	2,287	2,465	(7.2)%
Special Steel	3,276	3,389	(3.3)%
<b>Consolidated(1)</b>	<b>2,420</b>	<b>2,568</b>	<b>(5.8)%</b>

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(\*) The information does not include data from the associate and jointly-controlled entities.

(1) The information does not include iron ore volumes.



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In 2016, consolidated net sales decreased 13.6% compared to 2015, due to the decline in shipments in all Business Divisions and a decrease of net sales per tonne mainly in the North America Business Division (-6.9%).

In the Brazil Business Division, the 10.3% decline in net sales in 2016 compared to 2015 was mainly due to a less favorable market mix, with lower shipments in the domestic market (from 4,284 thousand tonnes in 2015 to 3,707 thousand tonnes in 2016), which was partially offset by higher shipments to the export market (from 2,173 thousand tonnes in 2015 to 2,360 thousand tonnes in 2016). In addition, there was a decrease in net sales per tonne exported (-11.1%). In the domestic market, the reduction in shipments was due to a lower level of activity in the construction and industrial sectors as a result of the economic recession in Brazil. The Brazilian GDP decreased 3.6% in 2016. On the other hand, exports increased due to opportunities in the international market.

In the North America Business Division, net sales in 2016 decreased 10.9% compared to 2015 due to the reduction in net sales per tonne (-6.9%) and lower shipments (-4.3%) in the period, reflecting the constant pressure from imported in the region, even with the continued solid demand from the non-residential construction sector.

In the South America Business Division, net sales in 2016 decreased 12.8% compared to 2015, due to contraction in shipments, from 2,222 thousand tonnes in 2015 to 2,088 thousand tonnes in 2016 and the effect from exchange variation of the countries where Gerdau has operations.

In the Special Steel Business Division, net sales decreased 22.5% in 2016 compared to 2015, mainly due to the divestitures of the units in Spain and lower shipments in Brazil resulting in a reduction of 19.8% in consolidated shipments of this Business Division (from 2,621 thousand tonnes in 2015 to 2,102 thousand tonnes in 2016).

## Cost of Sales and Gross Profit

		Year ended December 31,		Variation Year ended December 31, 2016/ Year ended December 31, 2015
Net sales, Cost of Sales and Gross Profit(*)		2016	2015	
Brazil	Net sales (R\$million)	11,635	12,977	(10.3)%
	Cost of Sales (R\$million)	(10,405)	(11,433)	(9.0)%
	Gross Profit (R\$million)	1,230	1,544	(20.3)%
	Gross margin (%)	10.6%	11.9%	
North America	Net sales (R\$million)	15,431	17,312	(10.9)%
	Cost of Sales (R\$million)	(14,515)	(15,800)	(8.1)%
	Gross Profit (R\$million)	916	1,512	(39.4)%
	Gross margin (%)	5.9%	8.7%	
South America	Net sales (R\$million)	4,776	5,477	(12.8)%
	Cost of Sales (R\$million)	(4,103)	(4,800)	(14.5)%
	Gross Profit (R\$million)	672	677	(0.6)%
	Gross margin (%)	14.1%	12.4%	
Special Steel	Net sales (R\$million)	6,885	8,882	(22.5)%

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	Cost of Sales (R\$million)	(6,239)	(8,333)	(25.1)%
	Gross Profit (R\$million)	646	549	17.7%
	<i>Gross margin (%)</i>	<i>9.4%</i>	<i>6.2%</i>	
Intercompany Eliminations	Net sales (R\$million)	(1,075)	(1,067)	
	Cost of Sales (R\$million)	1,074	1,076	
	Gross Profit (R\$million)	(1)	9	
<b>Total</b>	<b>Net sales (R\$million)</b>	<b>37,652</b>	<b>43,581</b>	<b>(13.6)%</b>
	<b>Cost of Sales (R\$million)</b>	<b>(34,188)</b>	<b>(39,290)</b>	<b>(13.0)%</b>
	<b>Gross Profit (R\$million)</b>	<b>3,464</b>	<b>4,291</b>	<b>(19.3)%</b>
	<b>Gross margin (%)</b>	<b>9.2%</b>	<b>9.8%</b>	

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(\*) The information does not include data from the associate and jointly-controlled entities.

In 2016, cost of sales decreased 13.0% from 2015, mainly due to sales volume reduction of 8.3%, as well as lower raw materials cost. Gross margin decreased slightly from 9.8% in 2015 to 9.2% in 2016, due to poor performance of North America and Brazil Business Divisions, partially compensated by Special Steel Business Division.

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In the Brazil Business Division, cost of sales decreased 9.0% in 2016 compared to 2015, mainly due to lower shipments (-6.0%). The larger reduction in net sales (-10.3%) compared to the cost of sales (-9.0%), resulted in a reduction of gross margin, from 11.9% in 2015 to 10.6% in 2016.

In the North America Business Division, cost of sales in 2016 decreased 8.1% compared to 2015 due to shipments reduction (-4.3%) and lower scrap price in the comparison period. The larger reduction in net sales (-10.9%) than the decrease in cost of sales (-8.1%), resulted in a reduction of gross margin, from 8.7% in 2015 to 5.9% in 2016.

In the South America Business Division, cost of sales decreased 14.5% in 2016 compared to 2015, due to the shipments reduction (-6.0%), lower raw materials cost, as well as the exchange rate effect. Gross margin improved, going from 12.4% in 2015 to 14.1% in 2016, due to stronger reduction in cost of sales (-14.5%) compared to net sales (-12.8%).

In the Special Steel Business Division, the 25.1% decrease in cost of sales was due to the sale of the Spain units and lower shipments in the Brazilian units. The Spain units historically had the lowest profitability of this Business Division, as a result, gross margin improved from 6.2% in 2015 to 9.4% in 2016. In addition, the performance in the United States and India improved.

*Selling, General and Administrative Expenses*

<b>Operating Expenses(*)</b> <b>(R\$ million)</b>	<b>2016</b>	<b>2015</b>	<b>Variation Year ended December 31, 2016/ Year ended December 31, 2015</b>
Selling expenses	711	785	-9.4%
General and administrative expenses	1,528	1,797	-15.0%
<b>Total</b>	<b>2,239</b>	<b>2,582</b>	<b>-13.3%</b>
Net sales	37,652	43,581	-13.6%
<b>% of net sales</b>	<b>5.9%</b>	<b>5.9%</b>	

(\*) The information does not include data from the associate and jointly-controlled entities.

The 9.5% reduction in consolidated selling expenses was due to lower shipments in 2016 (-8.3%). Consolidated general and administrative expenses decreased 15.0% from 2015 to 2016, which demonstrates the Company's efforts to streamline these expenses, despite the depreciation of 4.3% of the exchange variation on operations abroad. In 2016, selling, general and administrative expenses as a ratio of net sales was 5.9%, which was stable as compared to 2015.

*Impairment of assets*

In 2016, the line losses from asset impairments amounted to R\$ 2,917.9 million, which is related to the impairment of goodwill and the expectation that certain assets of the Company would not be utilized, as identified by impairment testing. In the fourth quarter of 2016, the Company assessed the impairment of goodwill of its segments. Tests identified losses from goodwill impairment of R\$ 2,678.6 in the North America Business Division. The other segments did not present losses from asset impairments on goodwill in the tests conducted in 2016. Furthermore, in the fourth quarter of 2016, the tests conducted of other long-lived assets identified losses from the impairment of fixed assets of R\$ 239.3 million, of which R\$ 138.8 million was attributable to the South America Business Division and R\$100.6 million was attributable to the North America Business Division, due to recoverable amounts below the carrying amount.

### *Operating Income (Loss) before Financial Result and Taxes*

Operating Income (Loss) before Financial Result and Taxes went from a loss of R\$ 3,215.5 million in the fiscal year ended December 31, 2015 to a loss of R\$ 1,636.4 million in 2016. This variation was mainly due to lower losses from asset impairments in 2016 and to the decline in selling, general and administrative expenses, despite the contraction in gross profit in comparison to 2015.

### *Financial Income, Financial Expenses, Exchange Variations, net and Gains and Losses on financial instruments, net*

Financial Income, Financial Expenses, Exchange Variations, net and Gain and Losses on derivatives, net(*) (R\$ million)	2016	2015	Variation Year ended December 31, 2016/ Year ended December 31, 2015
Financial income	252	378	-33.3%
Financial expenses	(2,010)	(1,780)	12.9%
Exchange variation, net	852	(1,564)	-154.5%
Gains and Losses on financial instruments, net	(39)	87	-144.8%
<b>Total</b>	<b>(945)</b>	<b>(2,879)</b>	<b>-67.2%</b>

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(\*) The information does not include data from the associate and jointly-controlled entities.

The net financial result went from a negative result of R\$2,878.9 million in 2015 to a negative result of R\$945.3 million in 2016. The lower negative financial result mainly reflects the higher positive exchange variation on liabilities contracted in U.S. dollars (appreciation of the Brazilian real against the U.S. dollar of 16.5% in 2016, compared to depreciation of 47.0% in 2015), despite the higher financial expenses.

In accordance with IFRS, the Company designated the bulk of its debt in foreign currency as a hedge for a portion of the investments in subsidiaries located abroad. As a result, the exchange variation on the amount of US\$2.7 billion (US\$2.5 billion related to the 10/30 Year Bonds and US\$0.2 billion related to other financing operations) was recognized in the statement of comprehensive income, while the exchange variation on the portion of US\$1.0 billion was recognized in financial result and was neutralized by the line Income Tax.

***Income and Social Contribution Taxes***

Income and social contribution taxes was negative R\$ 304.3 million in 2016, compared to positive R\$ 1,498.4 million in 2015. This variation was due to the deferred income tax and social contribution on positive net investment hedge in 2015 and on negative net investment hedge in 2016.

***Net Income (loss)***

Consolidated net loss went from R\$ 4,596.0 million in 2015 to R\$ 2,885.9 million in 2016. This variation was mainly due to lower losses from asset impairments in 2016 and to the decline in selling, general and administrative expenses, despite the contraction in gross profit as compared to 2015.

In the Brazil Business Division, the net loss was R\$ 37 million in 2016, compared to a net loss of R\$ 672 million in 2015. This variation was mainly due to losses from asset impairment of R\$ 835 million in 2015.

The North America Business Division posted a net loss of R\$ 2,592 million in 2016, compared to a net loss of R\$ 1,468 million in 2015. This variation was mainly due to the losses from asset impairment of R\$ 2,779 million recorded in 2016 being greater than the amount of R\$ 1,882 million recorded in 2015. Gross profit also decreased, from R\$ 1,512 million in 2015 to R\$ 916 million in 2016.

In 2016, the South America Business Division posted net income of R\$ 134 million, compared to a net loss of R\$ 154 million in 2015. This variation was mainly due to the losses from asset impairment of R\$ 139 million registered in 2016 being lesser than the amount of R\$ 354

million registered in 2015.

In 2016, the Special Steel Business Division posted net income of R\$ 163 million, compared to a net loss of R\$ 2,297 million in 2015. This variation was mainly due to losses from asset impairment of R\$ 1,925 million in 2015.

**Year Ended December 31, 2015 Compared with Year Ended December 31, 2014**

*Net Sales*

Net Sales by Business Divisions(*) (R\$ million)	Year ended December 31, 2015	Year ended December 31, 2014	Variation Year ended December 31, 2015/ Year ended December 31, 2014
Brazil	12,977	14,813	-12.4%
North America	17,312	14,640	18.3%
South America	5,477	5,078	7.9%
Special Steel	8,882	8,644	2.8%
Intercompany Eliminations	(1,067)	(629)	
<b>Total</b>	<b>43,581</b>	<b>42,546</b>	<b>2.4%</b>

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(\*) The information does not include data from the associate and jointly-controlled entities.

Net Sales per tonne by Business Divisions(*) (R\$/tonne)	Year ended December 31, 2015	Year ended December 31, 2014	Variation Year ended December 31, 2015/ Year ended December 31, 2014
Brazil	2,010	2,250	-10.7%
North America	2,778	2,252	23.4%
South America	2,465	2,229	10.6%
Special Steel	3,389	2,987	13.5%
<b>Consolidated(1)</b>	<b>2,568</b>	<b>2,381</b>	<b>7.9%</b>

(\*) The information does not include data from the associate and jointly-controlled entities.

(1) The information does not include iron ore volumes.

In 2015, consolidated net sales increased 2.4% in relation to 2014, mainly due to the impact of exchange variation on the translation of net sales from foreign companies into Brazilian real mainly related to the U.S. dollar (41.8% average depreciation of the Brazilian real against the U.S. dollar in 2015). Excluding the effects from exchange variation, net sales decreased in the period, mainly due to the decline in shipments (-5.0%).

In the Brazil Business Division, the 12.4% decline in net sales in 2015 compared to 2014 was mainly due to a less favorable market mix, with lower shipments in the domestic market (from 5,540 thousand tonnes in 2014 to 4,284 thousand tonnes in 2015), which was partially offset by higher shipments to the export market (from 1,043 thousand tonnes in 2014 to 2,173 thousand tonnes in 2015). In addition, the decline in international prices (-38.2% according Metal Bulletin and Steel Business Briefing) led to a decrease in net sales per tonne exported (-22.9%), despite the positive effects from exchange variation. In the domestic market, the reduction in shipments was due to the lower level of activity in the construction and industrial sectors, reflecting the contraction of 3.8% in Brazilian GDP growth in 2015.

In the North America Business Division, net sales in 2015 increased 18.3% in relation to 2014 due to exchange variation (41.8% average depreciation in the Brazilian real against the U.S. dollar in 2015), which was offset by the decrease in net sales per tonne sold in U.S. dollar (-11.3%) and lower shipments (-4.1%), reflecting the constant pressure from imported products the region, even with the continued solid demand from the non-residential construction sector.

In the South America Business Division, net sales in 2015 increased 7.9% in relation to 2014, due to the effect from exchange variation caused by the depreciation in the Brazilian real against the currencies of the countries where Gerdau has operations, despite the 2.4% contraction in shipments, from 2,277 thousand tonnes in 2014 to 2,222 thousand tonnes in 2015.

In the Special Steel Business Division, net sales increased 2.8% in 2015 compared to 2014, mainly due to the impact from exchange variation (41.8% average depreciation in the Brazilian real against the U.S. dollar in 2015) on sales at overseas units. Excluding this effect, net sales decreased 14.0%, mainly due to the reduction of 9.4% in shipments (from 2,894 thousand tonnes in 2014 to 2,621 thousand tonnes in 2015) resulting from the sharp drop in demand from the Brazilian automotive industry and, to a lesser extent, from the U.S. oil and gas sector.



Table of Contents*Cost of Sales and Gross Profit*

		Year ended December 31,		Variation Year ended December 31, 2015/ Year ended December 31, 2014
Net sales, Cost of Sales and Gross Profit(*)		2015	2014	
Brazil	Net sales (R\$million)	12,977	14,813	(12.4)%
	Cost of Sales (R\$million)	(11,433)	(12,003)	(4.7)%
	Gross Profit (R\$million)	1,544	2,810	(45.1)%
	Gross margin (%)	11.9%	19.0%	
North America	Net sales (R\$million)	17,312	14,640	18.3%
	Cost of Sales (R\$million)	(15,800)	(13,693)	15.4%
	Gross Profit (R\$million)	1,512	947	59.7%
	Gross margin (%)	8.7%	6.5%	
South America	Net sales (R\$million)	5,477	5,078	7.9%
	Cost of Sales (R\$million)	(4,800)	(4,423)	8.5%
	Gross Profit (R\$million)	677	656	3.4%
	Gross margin (%)	12.4%	12.9%	
Special Steel	Net sales (R\$million)	8,882	8,644	2.8%
	Cost of Sales (R\$million)	(8,333)	(7,922)	5.2%
	Gross Profit (R\$million)	549	722	(24.0)%
	Gross margin (%)	6.2%	8.4%	
Intercompany Eliminations	Net sales (R\$million)	(1,067)	(629)	
	Cost of Sales (R\$million)	1,076	635	
	Gross Profit (R\$million)	9	6	
<b>Total</b>	<b>Net sales (R\$million)</b>	<b>43,581</b>	<b>42,546</b>	<b>2.4%</b>
	<b>Cost of Sales (R\$million)</b>	<b>(39,290)</b>	<b>(37,406)</b>	<b>5.0%</b>
	<b>Gross Profit (R\$million)</b>	<b>4,291</b>	<b>5,140</b>	<b>(16.5)%</b>
	<b>Gross margin (%)</b>	<b>9.8%</b>	<b>12.1%</b>	

(\*) The information does not include data from the associate and jointly-controlled entities.

In 2015, cost of sales increased 5.0% from 2014, mainly due to the effect from exchange variation on the translation to Brazilian real of cost of sales at overseas companies, even though sales volume has reduced of 5.0%. Excluding the effects from exchange variation, cost of sales in the period would have declined 7.0%. Gross margin decreased from 12.1% in 2014 to 9.8% in 2015, due to lower shipments in Brazil's domestic market, which historically has higher margins in both, the Brazil Business Division and the Special Steel Business Division, despite the improvement in gross profit and gross margin at the North America Business Division.

In the Brazil Business Division, cost of sales decreased 4.7% in 2015 compared to 2014, due to lower shipments (-1.9%), even with the costs associate with production shutdowns in the amount of R\$229.8 million in 2015. The reduction in gross margin, from 19.0% in 2014 to 11.9% in 2015, is mainly explained by net sales falling faster (-12.4%) than shipments (-4.7%), due to the less favorable sales mix, i.e., lower sales in the domestic market and higher exports, which registered a reduction in net sales per tonne.

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In the North America Business Division, cost of sales in 2015 increased 15.4% in relation to 2014 due to the effect from exchange variation, though at a slower rate than the increase in net sales given the cost-cutting efforts in this business division, and to the lower scrap prices in the comparison period (-32.8% in accordance with the Scrap / Shredded FOB US East Coast prices published in the *Steel Business Briefing*). The increase in net sales at a faster pace than the increase in cost of sales supported gross margin expansion, from 6.5% in 2014 to 8.7% in 2015.

In the South America Business Division, cost of sales increased 8.5% in 2015 compared to 2014, due to the effect from exchange variation caused by the depreciation in the Brazilian real against the currencies of the countries where Gerdau has operations, despite the lower shipments (-2.4%). Gross margin remained relatively stable, going from 12.9% in 2014 to 12.4% in 2015, with similar variations in net sales and cost of sales.

In the Special Steel Business Division, the 5.2% increase in cost of sales was due to the effect from exchange variation (average depreciation in the Brazilian real against the currencies of countries where Gerdau has operations) on costs at the overseas units and to the costs associate with production shutdowns at the units in Brazil due to the lower capacity utilization rates in the comparison period (from 71% in 2014 to 54% in 2015). These effects led cost of sales to increase at a faster pace than net revenue, due to the decline in gross margin, from 8.4% in 2014 to 6.2% in 2015.

### *Selling, General and Administrative Expenses*

Operating Expenses(*) (R\$ million)	2015	2014	Variation Year ended December 31, 2015/ Year ended December 31, 2014
Selling expenses	785	691	13.6%
General and administrative expenses	1,797	2,037	-11.8%
<b>Total</b>	<b>2,582</b>	<b>2,728</b>	<b>-5.4%</b>
Net sales	43,581	42,546	2.4%
<b>% of net sales</b>	<b>5.9%</b>	<b>6.4%</b>	

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(\*) The information does not include data from the associate and jointly-controlled entities.

The 13.6% increase in consolidated selling expenses was due to the higher allowance for doubtful accounts in 2015 as a result of higher delinquency rates in Brazil and to the effects from exchange variation on the Company's overseas operations, which were partially offset by the efforts to reduce these expenses. Consolidated general and administrative expenses decreased 11.8% from 2014 to 2015, despite the effects from the exchange variation on overseas operations, which demonstrates the Company's efforts to streamline these expenses. As a result, selling, general and administrative expenses declined as a ratio of net sales, from 6.4% in 2014 to 5.9% in 2015.

***Impairment of assets***

In 2015, the line impairment of assets recorded the amount of R\$4,996.2 million, which is related to the expectation that certain assets of the Company would not be utilized, as identified through impairment testing. In the third quarter of 2015, the Company concluded the impairment test of goodwill and other long-lived assets, which identified impairment of assets amounting to R\$1,867.6 million, of which R\$1,161.7 million was due to the impairment test of other long-lived assets at the North America and Special Steel business divisions and R\$705.9 million was due to the impairment test of goodwill at the North America and South America business divisions. During the fourth quarter of 2015, due to the expectation that assets in the Brazil Business Division would not be utilized, the Company identified the impairment of other long-lived assets in the amount of R\$834.7 million. Also in the fourth quarter of 2015 due to deteriorating economic conditions, the Company again performed the goodwill impairment test, which was identified goodwill impairment losses in the amount of R\$ 1,169.0 million for the North America segment and R\$ 1,125.0 million for the Special Steel segment.

***Results in operations with subsidiaries, associate and jointly controlled entity***

The variation in Income (loss) in operations with jointly controlled entities in 2014 is explained by the divestment of the 50% interest in Gallatin Steel Company, on October 8, 2014. With this divestment, the Company ceased to recognize Equity in earnings from Gallatin Steel Company as from 4Q14.

***Income (loss) before Financial Income (Expenses) and Taxes***

Income (loss) before Financial Income (Expenses) and Taxes went from income of R\$ 2,899 million in the fiscal year ended December 31, 2014 to a loss of R\$ 3,216 million in 2015. The decline was mainly due to the impairment of assets in 2015, and to the lower gross profit in the comparison period.

***Financial Income, Financial Expenses, Exchange Variations, net and Gains and Losses on financial instruments, net***

Financial Income, Financial Expenses, Exchange Variations, net and Gain and Losses on derivatives, net(*) (R\$ million)	2015	2014	Variation Year ended December 31, 2015/ Year ended December 31, 2014
Financial income	378	276	37.0%
Financial expenses	(1,780)	(1,397)	27.4%
Exchange variation, net	(1,564)	(476)	228.6%
Gains and Losses on financial instruments, net	87	36	141.7%
<b>Total</b>	<b>(2,879)</b>	<b>(1,561)</b>	<b>84.4%</b>

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(\*) The information does not include data from associate and jointly-controlled entities.

In 2015, as compared to 2014, the increase in the negative financial result mainly reflects higher negative exchange variation on liabilities contracted in U.S. dollar (depreciation in the end-of-period price of the Brazilian real against the U.S. dollar of 47.0% in 2015 and 13.4% in 2014) and higher financial expenses, which was also affected by exchange variation, since 78.3% of the Company's gross debt is in U.S. dollar.

Note that, in accordance with IFRS, the Company designated the bulk of its debt in foreign currency as a hedge for a portion of the investments in overseas subsidiaries. As a result, the exchange variation on US\$ 2.9 billion (US\$ 2.7 billion related to the Ten/Thirty Years Bonds plus US\$ 0.2 billion related to other financing operations) was recognized in the statement of comprehensive income, while the exchange variation on the portion of US\$ 1.0 billion was recognized in the income statement.

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***Income and Social Contribution Taxes***

Income and social contribution taxes was positive R\$ 1,498 million in 2015, compared to positive R\$ 150 million in 2014. This variation was due to higher income and social contribution taxes on the net investment hedge.

***Net Income (loss)***

Consolidated net income (loss) went from income of R\$ 1,488 million in 2014 to a loss of R\$ 4,596 million in 2015. The reduction was mainly due to the impairment of assets, lower operating income and higher financial expenses, which were affected by exchange variation.

The Brazil Business Division recorded a net loss of R\$ 672 million in 2015, compared to net income of R\$ 1,014 in 2014, due to the lower operating income and impairment of assets in the amount of R\$ 835 million in 2015.

The North America Business Division recorded a net loss of R\$ 1,471 million in 2015, compared to net income of R\$ 614 million in 2014, mainly due to the impairment of assets in the amount of R\$ 1,882 million in 2015.

In 2015, the South America Business Division posted a net loss of R\$ 151 million, compared to a net loss of R\$ 85 million in 2014. The decline is mainly due to the increase in taxable income at certain units with the resulting recognition of an income tax expense in fiscal year 2015.

In 2015, the Special Steel Business Division recorded a net loss of R\$ 2,297 million compared to net income of R\$ 123 million in 2014. This variation was mainly due to the impairment of assets in the amount of R\$ 1,925 million in 2015, and to the increase in income tax payable, which refers to the write-off of deferred tax assets in the amount of R\$ 284 million.

**Critical Accounting Policies**

Critical accounting policies are those that are (a) important to present the financial position and results of operations or (b) require Management's most difficult, subjective or complex judgments, often as a result of the need to make estimates that impact matters that are inherently uncertain. As the number of variables and assumptions affecting the possible future resolution of the uncertainties increases, those judgments become even more subjective and complex. In the preparation of the Consolidated Financial Statements, the Company has relied on variables and assumptions derived from historical experience and various other factors that it deems reasonable and relevant. Although these estimates and assumptions are reviewed by the Company in the normal course of business, the presentation of its financial position and results of operations often requires making judgments regarding the effects of inherently uncertain matters on the carrying value of its assets and liabilities. Actual results may differ from estimates based on different variables, assumptions or conditions. In order to provide an understanding of how the Company forms its judgments about future events, including the variables and assumptions underlying the estimates, comments have been included that relate to

each critical accounting policy described below:

- deferred income and social contribution tax;
- pension and post-employment benefits;
- provisions;
- business combination, including valuation of assets acquired and liabilities, and
- impairment test of assets with definite and indefinite useful life.

**a) Deferred Income and Social Contribution Tax**

The liability method of accounting (according to the concept described in IAS 12) for income taxes is used for deferred income and social contribution taxes arising from temporary differences between the book value of assets and liabilities and their tax bases. The amount of the deferred income and social contribution tax asset is revised at each Consolidated Financial Statement date and reduced by the amount that is no longer probable of being realized based on future taxable income. Deferred income and social contribution tax assets and liabilities are calculated using tax rates applicable to taxable income in the years in which those temporary differences are expected to be realized. Future taxable income may be higher or lower than estimates made when determining whether it is necessary to record a tax asset and the amount to be recorded.

The realization of deferred tax assets for tax loss carryforwards are supported by projections of taxable income based on technical feasibility studies submitted annually to the Company's Board of Directors. These studies consider historical profitability of the Company and its subsidiaries and expectation of continuous profitability and estimated the recovery of deferred tax assets over future

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years. The other tax credits arising from temporary differences, mainly tax contingencies, and provision for losses, were recognized according to their estimate of realization.

**b) Pension and Post-Employment Benefits**

Actuarial gains and losses are recorded in the period in which they are originated and are recorded in the statement of comprehensive income.

The Company recognizes its obligations related to employee benefit plans and related costs, net of plan assets, in accordance with the following practices:

i) The cost of pension and other post-employment benefits provided to employees is actuarially determined using the projected unit of credit method and management's best estimate of expected investment performance for funded plans, salary increase, retirement age of employees and expected health care costs. The discount rate used for determining future benefit obligations is an estimate of the interest rate in effect at the balance sheet date on high-quality fixed-income investments with maturities that match the expected maturity of obligations.

ii) Pension plan assets are stated at fair value.

iii) Gain and losses related to the curtailment and settlement of the defined benefit plans are recognized when the curtailment or settlement occurs and they are based on actuarial evaluation done by independent actuaries.

In accounting for pension and post-retirement benefits, several statistical and other factors that attempt to anticipate future events are used to calculate plan expenses and liabilities. These factors include discount rate assumptions, return on plan assets, future increases in health care costs, and rate of future compensation increases. In addition, actuarial computations include other factors whose measurement involves judgment such as withdrawal, turnover, and mortality rates. The actuarial assumptions used by the Company may differ materially from actual results in future periods due to changing market and economic conditions, regulatory events, judicial rulings, higher or lower withdrawal rates, or longer or shorter participant life spans.

**c) Provisions**

The Company recognizes provisions for liabilities and probable losses that have been incurred when it has a present obligation as a result of past events, it is probable that the Company will be required to settle the obligation and a reliable estimate of the amount of the obligation

can be made. If the effect of the time value of money is material, provisions are discounted using a current pre-tax rate that reflects, where appropriate, the risks specific to the liability.

The Company records provisions for environmental liabilities based on best estimates of potential clean-up and remediation costs for known environmental sites. The Company has a team of professionals to manage all phases of its environmental programs. These professionals develop estimates of liabilities at these sites based on projected and known remediation costs. This analysis requires the Company to make significant estimates and changes in facts and circumstances which may result in material changes to environmental provisions.

The steel industry uses and generates substances that may damage the environment. The Company's management performs frequent surveys with the purpose of identifying potentially impacted areas and records as current liabilities and in non-current liabilities in the account Environmental liabilities, based on best cost estimate, the amounts estimated for investigation, treatment and cleaning of potentially affected sites. The Company used assumptions and estimates for determining the estimated amount, which may vary in the future depending on the final investigations and determination of the actual environmental impact.

The Company is compliant with all the applicable environmental regulations in the countries where they operate.

#### **d) Business Combination, Valuation of Assets Acquired and Liabilities Assumed in Business Combinations**

During the last several years the Company has made certain business combinations. According to IFRS 3, for business combinations occurring after the IFRS transition date, the Company allocates the cost of the acquired entity to the assets acquired and liabilities assumed based on their fair value estimated on the date of acquisition. Any difference between the cost of the acquired entity and the fair value of the assets acquired and liabilities assumed is recorded as goodwill. The Company exercises significant judgment in the process of identifying tangible and intangible assets and liabilities, valuing these assets and liabilities, and estimating their remaining useful life. The valuation of these assets and liabilities is based on assumptions and criteria that, in some cases, include estimates of future cash flow discounted at the appropriate rates. The use of valuation assumptions includes discounted cash flow estimates and discount rates and may result in estimated values that are different from the assets acquired and liabilities assumed.



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The Company does not believe there is a reasonable likelihood that there will be a material change in the future estimates or assumptions used to complete the purchase price allocation and estimate the fair value of acquired assets and liabilities. However, if actual results are not consistent with estimates and assumptions considered, the Company may be exposed to losses that could be material.

**Step-acquisitions in which control is obtained**

When a business combination is achieved in stages, the interest previously held by the Company in the acquired company is remeasured at fair value at acquisition date (in the date when the Company acquires the control) and the resulting gain or loss, if any, is recognized in profit or loss. Amounts related to the acquired company which were recognized in Other comprehensive income before the acquisition date, are reclassified to income, where such treatment would be appropriate in case this interest was sold.

**Acquisitions in which control is obtained initially**

Acquisitions of subsidiaries and businesses are accounted for under the purchase method. The cost of the acquisition is measured at the aggregate of the fair values (at the date of exchange) of assets given and liabilities incurred or assumed and equity instruments issued by the Group in exchange for control. The acquiree's identifiable assets, liabilities and contingent liabilities are recognized at their fair values at the acquisition date. The interest of non-controlling shareholders in the acquiree is initially measured at the non-controlling shareholders' proportion of the net fair value of the assets, liabilities and contingent liabilities recognized.

Under the previous version of the Standard, contingent consideration was recognized at the acquisition date only if payment of the contingent consideration was probable and it could be measured reliably; any subsequent adjustments to the contingent consideration are recognized against goodwill. Under the revised Standard, contingent consideration is measured at fair value at the acquisition date; subsequent adjustments to the consideration are recognized against goodwill only to the extent that they arise from better information about the fair value at the acquisition date, and they occur within the provisional period (a maximum of 12 months from the acquisition date). All other subsequent adjustments are recognized in profit or loss.

**Increases/decreases in non-controlling interests**

In prior years, in the absence of specific requirements in IFRS, increases in interests in existing subsidiaries were treated in the same manner as the acquisition of subsidiaries, with goodwill or a bargain purchase gain being recognized where appropriate.

The impact of decreases in interests in subsidiaries that did not involve loss of control (being the difference between the consideration received and the carrying amount of the share of net assets disposed of) are recognized in profit or loss. Under the revised standards, all increases or decreases in such interests are accounted for within equity, with no impact in goodwill or profit or loss.

Subsequent purchases, after the Company has obtained control, are treated as the acquisitions of shares from non-controlling shareholders: the identifiable assets and liabilities of the entity are not subject to a further revaluation and the positive or negative difference between the cost of such subsequent acquisitions and the net value of the additional proportion of the company is accounted for within equity.

#### **Loss of control of a subsidiary**

When control of a subsidiary is lost as a result of a transaction, event or other circumstance, the revised Standard requires that the Company derecognizes all assets, liabilities and non-controlling interests at their carrying amount. Any retained interest in the former subsidiary is recognized at its fair value at the date that control is lost. This fair value is reflected in the calculation of the gain or loss on disposal attributable to the parent, and becomes the initial carrying amount for subsequent accounting for the retained interest.

The Company does not believe there is a reasonable likelihood that there will be a material change in the future estimates or assumptions used to complete the purchase price allocation and estimate the fair value of acquired assets and liabilities. However, if actual results are not consistent with estimates and assumptions considered, the Company may be exposed to losses that could be material.

#### **e) Impairment Test of Assets with definite and indefinite useful life**

There are specific rules to assess the impairment of long-lived assets, especially property, plant and equipment, goodwill and other intangible assets. On the date of each Financial Statement, the Company performs an analysis to determine if there is evidence that the

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carrying amount of long-lived assets is impaired. If such evidence is identified, the recoverable amount of the assets is estimated by the Company.

The recoverable amount of an asset is determined as the higher of: (a) its fair value less estimated costs of sale and (b) its value in use. The value in use is measured based on discounted cash flows (before taxes) derived from the continuous use of the asset until the end of its useful life.

Regardless of whether or not there is any indication that the carrying amount of the asset may not be recovered, the balances of goodwill arising from business combinations and assets with indefinite useful lives are tested for impairment at least once a year, in December.

When the residual carrying value of the asset exceeds its recoverable amount, the Company recognizes a reduction in this asset's book balance.

For assets recorded at cost, the reduction in recoverable amount must be recorded in income for the year. If the recoverable amount of an asset is not determined individually, the recoverable amount of the business segment to which the asset belongs is analyzed.

Except for the impairment of goodwill, a reversal of previously recorded impairment losses is allowed. Reversal in these circumstances is limited up to the amount of depreciated balance of the asset at the date of the reversal, determined as if the impairment had not been recorded.

The Company evaluates the recoverability of goodwill on investments annually and uses accepted market practices, including discounted cash flow for units with goodwill allocated and comparing the book value with the recoverable amount of the assets.

Recoverability of goodwill is evaluated at each balance sheet reporting date based on the analysis and identification of facts and circumstances that can indicate the necessity to also perform an impairment test at an interim date. If some fact or circumstance indicates that the recoverability of goodwill may be impaired as of an interim period, then the test is performed.

During the fourth quarter of 2016, the Company identified deterioration in the economic conditions of certain steel consuming markets at a rate greater than the one considered in the quarterly monitoring carried out during 2016. This occurred mainly in the North America segment, where the EBITDA margin decreased from 7.5% in the third quarter of 2016 to 3.8% in the fourth quarter of 2016 (8.7% in the fourth quarter of 2015). These circumstances resulted in an increase in the discount rate used in the projections of its business segments cash flows. The Company performed an impairment test of goodwill and other long-lived assets, in which an impairment of assets was identified in the amount of R\$ 2,917,911 (R\$ 4,996,240 in 2015), in which R\$ 239,329 (R\$ 2,467,757 in 2015) as impairment of other long-lived assets and R\$ 2,678,582 (R\$ 2,528,483 in 2015) as impairment of goodwill.

In the fourth quarter of 2016, due to the interruption of certain activities as result of significant changes in the economy of the region where these units are located and the lack of expectation of future use of some assets of these industrial plants, tests performed on other long-lived assets

identified impairment losses on property, plant and equipment in the amount of R\$ 239,329, of which R\$ 138,765 was attributable to South America segment and R\$ 100,564 to the North America segment, resulting from a recoverable amount below the book value. These losses were determined based on the difference between the book value and the recoverable amount of these assets in the amount of R\$ 138,543, which represents their value in use (higher between the fair value net of disposal expenses and their value in use).

In 2015 the tests carried out on other long-lived assets identified impairment losses in the amount of R\$ 2,467,757 as follows: a) in the property, plant and equipment due to the lack of expectation of future use of certain assets of certain industrial plants in the amount of R\$ 2,105,971, of which R\$ 834,665 in the Brazil segment and R\$ 1,271,306 in the Special Steel segment, and b) R\$361,786 in North America due to recoverable value lower than the book value. These losses were determined based on the difference between the book value and the recoverable value of these assets in the amount of R\$ 1,930,813 that represents their value in use (higher between the net value of the disposal expense or their value in use); b) in the investment accounted for by the equity method of the associate company Corporación Centroamericana del Acero S.A., belonging to the North America segment, resulting from a recoverable amount below the book value in the amount of R\$ 361,786. These losses were determined based on the difference between the book value and the recoverable amount of these assets in the amount of R\$ 215,808 which represents their value in use (higher between the fair value net of disposal expenses and their value in use).

The Company has four operating segments, which represents the lowest level in which goodwill is monitored by the Company. In the fourth quarter of 2016, the Company evaluated the recoverability of the goodwill of its segments. Based on the aforementioned events, notably the deterioration of the economic conditions reflected in the EBITDA margin, the analysis carried out identified a loss due to

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non-recoverability of goodwill in the amount of R\$ 2,678,582 for the North America segment. The other segments did not have impairment of goodwill in the test performed in 2016.

In 2015, the analysis identified a loss of R\$ 2,528,483 due to the non-recoverability of goodwill, of which R\$ 1,520,453 for the North America segment, R\$ 653,562 for the Specialty Steel segment and R\$ 354,468 for the South America segment, which represented the totality of goodwill in this segment. The Brazil segment did not have impairment of goodwill.

The Company performs goodwill impairment tests for all of its operating segments, which represent the lowest level at which goodwill is monitored by management based on projections for discounted cash flows and that take into consideration the following assumptions: cost of capital, growth rate and adjustments used for perpetual cash flows, methodology for determining working capital, investment plans and long-term economic-financial forecasts.

The period for projecting the cash flows for the goodwill impairment test was five years. The assumptions used to determine the value in use based on the discounted cash flow method include analysis prepared in dollars, such as: projected cash flows based on management estimates for future cash flows, exchange rates, discount rates and growth rates on perpetuity. The cash flow projections already reflect a more challenging competitive scenario than projected in previous years, resulting from a deterioration in the steel consuming markets and overcapacity in the industry, as well as macroeconomic challenges in certain markets in which the Company operates. The perpetuity was calculated considering stable operating margins, levels of working capital and investments. The perpetuity growth rates considered in the 2016 test were: a) North America: 3% (3% in December 2015); b) Special Steel: 3% (3% in December 2015); c) South America: 3% (2.2% in December 2015); and d) Brazil: 3% (3% in December 2015).

The pre-tax discount rates used were determined taking into consideration market information available on the date of performing the impairment test. The Company adopted distinct rates for each business segment tested with the purpose of reflecting the differences among the markets in which each segment operates, as well as the risks associate to each of them. The pre-tax discount rates used were: a) North America: 13.1% (12.3% in December 2015); b) Special Steel: 14.0% (12.8% in December 2015); c) South America: 14.6% (13.7% in December 2015); and d) Brazil: 14.9% (15.5% in December 2015).

Discounted cash flows are compared to the book value of each segment and result in the recoverable amount as shown below: a) North America: below the book value of R\$ 2,679 million (below the book value of R\$ 1,169 million in 2015); b) South America: exceeded the book value by R\$ 724 million (below the book value by R\$ 354 million in 2015); c) Special Steel: exceeded the book value by R\$ 1,601 million (below the book value by R\$ 1,125 million in 2015); and d) Brazil: exceeded the book value by R\$ 1,225 million (exceeding the book value by R\$ 43 million in 2015).

The Company performed a sensitivity analysis in the assumptions of discount rate and perpetuity growth rate, due to the potential impact in the discounted cash flows.

An increase of 0.5 % in the discount rate of each segment's cash flow would result in a recoverable amount below the book value and / or that exceeded the book value as shown below: a) North America: below book value of R\$ 872 million (below the book value by R\$ 1,452 million in 2015); b) Special Steel: exceeded book value by R\$ 1,170 million (below the book value by R\$ 582 million in 2015); c) South America:

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exceeded book value by R\$ 486 million (below the book value by R\$ 354 million in 2015); and d) Brazil: exceeded the book value by R\$ 425 million (below the book value by R\$ 765 million in 2015).

On the other hand, a decrease of 0.5 % in the perpetuity growth rate of the cash flow of each business segment would result in a recoverable amount below the book value and / or that exceeded the book value as shown below: a) North America: below the book value by R\$ 661 million (below the book value by R\$ 1,076 million in 2015); b) Special Steel: exceeded the book value by R\$ 1,301 million (below the book value by R\$ 428 million in 2015); c) South America: exceeded the book value by R\$ 561 million (below the book value by R\$ 253 million in 2015); and d) Brazil: exceeded the book value by R\$ 673 million (below the book value by R\$ 514 million in 2015).

The Company will maintain over the next year its constant monitoring of the steel market in order to identify any deterioration, significant drop in demand from steel consuming sectors (notably automotive and construction), stoppage of industrial plants or activities relevant changes in the economy or financial market that result in increased perception of risk or reduction of liquidity and refinancing capacity. Although the projections made by the Company provide a more challenging scenario than that in recent years, the events mentioned above, if manifested in a greater intensity than that anticipated in the assumptions made by management, may lead the Company to revise its projections of value in use and eventually result in impairment losses, therefore, if the cash flows reached in 2017 and after, mainly for the North America business operations, do not exceed actual cash flows generated in 2016, it may result in additional impairment losses.

Goodwill that forms part of the carrying amount of an investment in an associate or in a jointly controlled entity is not separately recognized and it is not tested for impairment separately. Instead, the entire carrying amount of the investment in an associate or in a jointly controlled entity is tested for impairment as a single asset, by comparing its recoverable amount (higher of value in use and fair

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value less costs to sell) with its carrying amount. An impairment loss recognized in those circumstances is not allocated to any asset, including goodwill that forms part of the carrying amount of the investment in the associate or jointly controlled entity. Accordingly, any reversal of that impairment loss is recognized to the extent that the recoverable amount of the investment subsequently increases.

Goodwill originated in a business combination is evaluated for recoverability on an annual basis, and also when events or circumstances indicate the necessity. The test considers accepted market practices, including cash flows and compares the book value with its fair value. The reversal of goodwill impairment losses previously recognized from business combinations is not allowed.

The recoverability review process is subjective and requires significant judgments through analysis performed. The determination of fair value for the Company's operating segments, based on projected cash flows, may be negatively impacted if the economic global recovery happens slower than what management expected during the preparation of financial statements in December 2016.

Additional information related to impairment of goodwill and other long lived assets are described at note 28 of Consolidated Financial Statements contained herein.

**B. LIQUIDITY AND CAPITAL RESOURCES**

Gerdau's usual main source of liquidity is the cash generated by its operating activities. Moreover, the Company counts on committed credit facilities. The Company expects to meet its cash needs for 2017 primarily through a combination of operating cash flow, cash and cash equivalents and short-term investments.

**Cash Flow**

The table below presents information for the cash flow of the respective years:

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	2016	2015	2014	Variation 2016/2015	Variation 2015/2014
<b>Cash flows from operating activities</b>					
Net income (loss) for the year	(2,885,929)	(4,595,986)	1,488,373	-37.2%	-408.8%
Adjustments to reconcile net income for the year to net cash provided by operating activities					
Depreciation and amortization	2,535,955	2,607,909	2,227,396	-2.8%	17.1%
Impairment of Assets	2,917,911	4,996,240	339,374	-41.6%	1372.2%
Equity in earnings of unconsolidated companies	12,771	24,502	(101,875)	-47.9%	-124.1%
Exchange variation, net	(851,635)	1,564,017	476,367	-154.5%	228.3%
Losses (Gains) on financial instruments, net	38,930	(87,085)	(36,491)	-144.7%	138.6%
Post-employment benefits	229,767	233,287	200,699	-1.5%	16.2%
Stock based remuneration	46,683	48,589	39,614	-3.9%	22.7%
Income tax	304,314	(1,498,422)	(150,389)	-120.3%	896.4%
Gains on disposal of property, plant and equipment and investments	(43,340)	(3,971)	(48,639)	991.4%	-91.8%
Results in operations with subsidiaries, associate and jointly controlled entity	58,223		(636,528)		-100.0%
Allowance for doubtful accounts	68,781	127,701	49,890	-46.1%	156.0%
Provision for tax, labor and civil claims	347,882	323,314	281,876	7.6%	14.7%
Interest income on investments	(107,980)	(153,631)	(144,723)	-29.7%	6.2%
Interest expense on loans	1,540,797	1,471,526	1,178,034	4.7%	24.9%
Interest on loans with related parties	2,457	(2,712)	(2,743)	-190.6%	-1.1%
(Reversal) Provision for net realisable value adjustment in inventory	(31,492)	17,536	(6,062)	-279.6%	-389.3%
	4,184,095	5,072,814	5,154,173	-17.5%	
<b>Changes in assets and liabilities</b>					
Decrease (Increase) in trade accounts receivable	64,805	1,219,605	(36,468)	-94.7%	-3444.3%
Decrease (Increase) in inventories	794,591	1,977,361	(173,191)	-59.8%	-1241.7%
Increase (Decrease) in trade accounts payable	110,466	(768,627)	(251,911)	-114.4%	205.1%
Increase in other receivables	(275,938)	(270,391)	(701,550)	2.1%	-61.5%
(Decrease) Increase in other payables	(287,487)	(509,227)	280,187	-43.5%	-281.7%
Dividends from jointly-controlled entities	124,495	52,769	95,600	135.9%	-44.8%
Purchases of trading securities	(880,436)	(1,958,522)	(3,028,974)	-55.0%	-35.3%
Proceeds from maturities and sales of trading securities	1,089,972	3,929,971	2,544,895	-72.3%	54.4%
<b>Cash provided by operating activities</b>	4,924,563	8,745,753	3,882,761	-43.7%	125.2%
Interest paid on loans and financing	(1,240,165)	(946,041)	(859,821)	31.1%	10.0%
Income and social contribution taxes paid	(168,032)	(637,394)	(452,079)	-73.6%	41.0%
<b>Net cash provided by operating activities</b>	3,516,366	7,162,318	2,570,861	-50.9%	178.6%
<b>Cash flows from investing activities</b>					
Purchases of property, plant and equipment	(1,323,891)	(2,324,718)	(2,266,702)	-43.1%	2.6%
Proceeds from sales of property, plant and equipment, investments and other intangibles	308,694	90,942	1,067,938	239.4%	-91.5%
Purchases of other intangibles	(54,044)	(126,428)	(141,956)	-57.3%	-10.9%
Payment for business acquisitions, net of cash of acquired entities		(20,929)			
Capital increase in jointly-controlled entity		(40,524)			
<b>Net cash used in investing activities</b>	(1,069,241)	(2,421,657)	(1,340,720)	-55.8%	80.6%
<b>Cash flows from financing activities</b>					
Reduction of capital by non-controlling interests			(550,000)		
Purchase of treasury shares	(95,343)	(189,071)		-49.6%	
Proceeds from exercise of shares			5,483		



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Dividends and interest on capital paid	(85,962)	(358,226)	(455,139)	-76.0%	-21.3%
Proceeds from loans and financing	2,455,371	3,042,783	2,771,048	-19.3%	9.8%
Repayment of loans and financing	(4,605,406)	(5,028,386)	(2,173,555)	-8.4%	131.3%
Intercompany loans, net	(6,492)	30,126	8,939	-121.5%	237.0%
Increase in controlling interest in subsidiaries		(339,068)	(130,199)		160.4%
<b>Net cash used in financing activities</b>	<b>(2,337,832)</b>	<b>(2,841,842)</b>	<b>(523,423)</b>	<b>-17.7%</b>	<b>442.9%</b>
Exchange variation on cash and cash equivalents	(693,990)	699,290	244,029	-199.2%	186.6%
(Decrease) Increase in cash and cash equivalents	(584,697)	2,598,109	950,747	-122.5%	173.3%
Cash and cash equivalents at beginning of year	5,648,080	3,049,971	2,099,224	85.2%	45.3%
<b>Cash and cash equivalents at end of year</b>	<b>5,063,383</b>	<b>5,648,080</b>	<b>3,049,971</b>	<b>-10.4%</b>	<b>85.2%</b>

Cash and cash equivalents totaled R\$ 5,063.4 million, R\$ 5,648.1 million and R\$ 3,050.0 million on December 31, 2016, 2015 and 2014, respectively, as analyzed below:

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*Net cash provided by operating activities*

Net cash from operating activities amounted to R\$ 3,516.4 million, R\$ 7,162.3 million and R\$ 2,570.9 million in the fiscal years ended December 31, 2016, 2015 and 2014, respectively.

In 2016, net cash from operating activities declined 50.9% compared to 2015, mainly due to the lower use of working capital and to the lower redemptions of financial investments. In working capital, the decrease of R\$ 64.8 million in trade accounts receivable, decrease of R\$ 794.6 million in inventories and an increase of R\$ 110.5 million in trade accounts payable had a net positive effect of R\$ 969.9 million on the Company's cash from operating activities in 2016. In 2015, this net positive effect on cash was R\$ 2,428.3 million, due to the decrease of R\$ 1,219.6 million in trade accounts receivable, decrease of R\$ 1,977.4 million in inventories and decrease of R\$ 768.6 million in accounts payable. The main factor leading to the net positive effect of R\$ 969.9 million on the Company's cash from operations in 2016 was the decrease in inventories, especially at the North America Business Division. This resulted from the adjustment of inventories to the lower shipments, which were affected by continued pressure from imported goods in the region, despite the continued solid demand from the non-residential construction industry. The cash generated by the redemption of financial investments was used to amortize the Company's short- and long-term liabilities.

In 2015, net cash provided from operating activities increase 178.6% compared to 2014, mainly due to the lower working capital and higher proceeds from the redemption of financial investments. In working capital, the decrease of R\$ 1,220 million in trade accounts receivable, the decrease of R\$ 1,977 million in inventories and the decrease of R\$ 769 million in trade accounts payable had a positive impact of R\$ 2,428 million on the Company's cash from operating activities in the year. In 2014, this impact was negative R\$ 461 million, due to the increase of R\$ 36 million in trade accounts receivable, the increase of R\$ 173 million in inventories and the decrease of R\$ 252 million in accounts payable. The main factor leading to the positive impact of R\$ 2,428 million in the Company's cash from operations in 2015 was the reduction in inventories, especially in the North America Business Division, due to the adjustment of inventories to the lower shipments, which were affected by the continued pressure from imported products in the region, despite the continued good demand from the non-residential construction sector. The cash generated by the redemption of financial investments was used to amortize the Company's short- and long-term liabilities.

*Cash conversion cycle*

In 2016, as a result of the decrease in working capital(1) (-26.4%) coupled with the decrease in net sales (-17.8%) in the last three months of 2016 compared to the last three months of 2015, the cash conversion cycle(2) and working capital decreased from 84 days in 2015 to 75 days in 2016 (from 40 days sales outstanding in 2015 to 37 days in 2016, 76 days inventory outstanding in 2015 to 66 in 2016 and 31 days payable outstanding in 2015 to 29 days in 2016).

In 2015, as a result of the decrease in working capital(1) (-3.3%) in comparison with the decrease in net sales (-3.6%) in the last three months of 2015 in relation to the last three months of 2014, the cash conversion cycle(2) and working capital remained stable at 84 days (from 37 days sales outstanding in 2014 to 40 days in 2015, 74 days inventory outstanding

in 2014 to 76 in 2015 and 27 days payable outstanding in 2014 to 32 days in 2015), with the changes in the length of time of working capital realizations/ requirements offsetting each other.

*Net cash used in investing activities*

Net cash used in investing activities decreased 55.8%, from R\$ 2,421.7 million in 2015 to R\$ 1,069.2 million in 2016, mainly due to lower capital expenditure (addition to fixed assets) and to the proceeds from the divestment of the special steel units in Spain, a long steel mill in Colombia, metallurgical coke mills in Colombia, the 30% interest in Aceros Guatemala and manufacturing units and land in the United States.

Net cash used in investing activities increased 80.6%, from R\$1,341 million in the year ended December 31, 2014 to R\$2,422 million in 2015, mainly due to the fact that 2014 was affected by the cash received from divestments (particularly the sale of the 50% interest in Gallatin Steel Company).

*Net cash used in financing activities*

Net cash from financing activities went from the use of R\$ 2,841.8 million in the fiscal year ended December 31, 2015 to the use of R\$ 2,337.8 million in 2016. This variation was mainly due to the use of R\$ 339.1 million for the acquisition of additional interests

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(1) *Working capital*: trade accounts receivable, plus inventories, less suppliers (based on the balance at end of period for all accounts).

(2) *Cash conversion cycle*: working capital, divided by net sales (in last three months), multiplied by 90.

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in subsidiaries in 2015, which did not occur in 2016. Furthermore, in 2016, the Company distributed lower dividends and acquired fewer treasury shares than in 2015.

Cash flow from financing activities went from the use of R\$ 523 million in the fiscal year ended December 31, 2014 to the use of R\$ 2,842 million in 2015. This variation was mainly due to the net amount of contributions and amortizations of loans and financing, which in 2014 amounted to R\$ 597 million in contributions and in 2015 amounted to R\$ 1,986 million in amortizations. The amortizations made in 2015 refer mainly to settlements of working capital lines and of other long-term financings.

**Indebtedness**

The Company's debt is used to finance investments in fixed assets, including the modernization and technological upgrade of its plants and the expansion of installed capacity, as well as for working capital, acquisitions and, depending on market conditions, short-term financial investments.

The following table profiles the Company's debt in the years ended December 31, 2016, 2015 and 2014 (in thousands of Brazilian *reais*):

	2016	2015	2014
<b>SHORT TERM:</b>	<b>4,458,220</b>	<b>2,387,237</b>	<b>2,037,869</b>
Debentures			
<b>LONG TERM:</b>	<b>16,125,013</b>	<b>24,073,620</b>	<b>17,483,616</b>
<b>Total long-term debt</b>	<b>15,959,590</b>	<b>23,826,758</b>	<b>17,148,580</b>
Debentures	165,423	246,862	335,036
<b>TOTAL DEBT:</b>	<b>20,583,233</b>	<b>26,460,857</b>	<b>19,521,485</b>
Short and long-term investments, cash and cash equivalents	6,087,794	6,918,840	5,848,805
In R\$	1,609,145	2,289,407	3,465,532
Companies abroad	4,478,649	4,629,433	2,383,273
<b>NET DEBT(1)</b>	<b>14,495,439</b>	<b>19,542,017</b>	<b>13,672,680</b>

(1) The calculation of net debt is made by subtracting cash and cash equivalents from total debt. Net debt is not a GAAP measure recognized under IFRS and should not be considered in isolation from other financial measures. Other companies may calculate net debt differently and therefore this presentation of net debt may not be comparable to other similarly titled measures used by other companies.

Total debt was R\$ 20,583 million, R\$ 26,461 million and R\$ 19,521 million in the fiscal years ended December 31, 2016, 2015 and 2014, respectively. The R\$ 5.9 billion decrease between December 2015 and December 2016 was mainly due to the effects from exchange variation during 2016 (appreciation of 16.5% of the Brazilian real against the U.S. dollar in 2016), in addition to the amortization of financings of working

capital and fixed assets. The reduction in the cash position of R\$831 million between December 2015 and December 2016 was mainly due the amortization of financings of working capital and fixed assets in 2016, in addition to the effects from exchange variation on the reconversion of balances at subsidiaries abroad. As of December 31, 2016, 73.6% of cash was held by Gerdau companies abroad and denominated mainly in U.S. dollars. Net debt (net debt is a non-GAAP metric defined as short- and long-term debt plus debentures less short- and long-term investments and cash and cash equivalents, which is broadly used by investors to measure a company's debt position) decreased 25.8%, from R\$ 19,542 million in 2015 to R\$ 14,495 million in 2016, due to the decline in total debt. The R\$6.9 billion increase in gross debt between December 2014 and December 2015 is mainly explained by the effects from exchange variation in the comparison periods (depreciation in the end-of-period price of the Brazilian real against the U.S. dollar of 47.0% in 2015). The R\$1.1 billion increase in cash from December 2014 to December 2015 is mainly due to the effect from exchange variation in the comparison periods on the cash held by Gerdau companies abroad. On December 31, 2015, 66.9% of cash was held by Gerdau companies abroad and denominated mainly in U.S. dollar. The net debt (Net debt is a non-GAAP metric defined as short-term debt and long plus debentures and less short and long-term investments and cash and cash equivalents, widely used by investors to measure the indebtedness of the Company) increased 42.9%, from R\$ 13,673 million in 2014 to R\$ 19,542 million in 2015, due to the increase in gross debt, which was partially offset by the higher cash position.

Of the total debt on December 31, 2016, short term debt corresponded to 21.7% and long-term debt to 78.3% (on December 31, 2015, 9.0% was short-term debt and 91.0% was long-term debt, and on December 31, 2014, 10.4% was short-term debt and 89.6% was long-term debt ).

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As of December 31, 2016, short-term debt was R\$ 4,458 million, representing an increase of 86.8% in relation to 2015, due to the R\$ 2.7 billion in 2017 Bonds coming due in October 2017. The Company holds cash equivalents and credit facilities in an amount more than sufficient to meet this commitment and also has the option of refinancing this liability. On December 31, 2015, the total short-term debt amounted to R\$ 2,387 million, representing an increase of 17.1% compared to 2014. This increase in short-term debt was mainly due to the effect of exchange variation on debt denominated in foreign currency, further the transfer of debt denominated in Brazilian *reais* from long-term to short-term.

As of December 31, 2016, long-term debt was R\$ 16,125 million, representing a decline of 33.0% in relation to 2015, due to the effects from exchange variation on foreign-denominated debt over the course of 2016, in addition to the amortization of financings of working capital and fixed assets. On December 31, 2015, the total long-term debt amounted to R\$ 24,074 million, an increase of 37.7% from 2014, mainly due to the exchange variation in the period on debt denominated in foreign currencies in 2015.

As of December 31, 2016, the maturity profile of the Company's long-term debt with financial institutions, including debentures, was as follows:

<b>Gerdau S.A. Consolidated Long-Term Amortization</b>	<b>(R\$ thousands)</b>
2018	1,679,416
2019	875,319
2020	3,278,702
2021	3,545,229
2022 and After	6,746,347
<b>Total</b>	<b>16,125,013</b>

**Financial Agreements**

We highlight the material financial agreements outstanding at year end 2016:

UKEF – UK Export Finance

In June 2011, the subsidiary Gerdau Açominas S.A. entered into a financing agreement covered by ECGD (Export Credits Guarantee Department), the English Export Credit Agency (ECA), with the banks Deutsche Bank AG, London Branch, HSBC Limited, Tokyo Branch, Citibank Europe plc and BNP Paribas. On December 31, 2016, the outstanding balance of this facility was US\$ 150.9 million (R\$ 491.9 million as of December 31, 2016).

Bonds

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The Company, through its subsidiaries GTL Trade Finance Inc., Gerdau Holdings Inc. and Gerdau Trade Inc., concluded in 2007, 2009, 2010, 2013 and 2014, the issuance of bonds each with maturity of 10 and 30 years (collectively Ten/Thirty Years Bond ). The following companies guaranteed these transactions: Gerdau S.A., Gerdau Açominas S.A., Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A. On December 31, 2016, the outstanding balance of these bonds was R\$ 14.2 billion.

### Tokyo Loan Agreement

In June 2013 the subsidiary Gerdau Steel India entered into a loan agreement in the amount of US\$ 40 million, denominated in INR, with The Bank of Tokyo-Mitsubishi, with a term of five years. The outstanding amount of this facility was US\$ 40 million as of December 31, 2016 (R\$ 130.4 million as of December 31, 2016) and the Company guarantees this transaction.

### NCE Banco do Brasil (R\$ 660 MM)

In September 2013, the subsidiary Gerdau Açominas issued an Export Credit Note worth R\$ 660 million, maturing on August 18, 2020, with Banco do Brasil S.A. acting as the creditor. On December 31, 2016, the outstanding balance of the facility was R\$ 585 million.

### HSBC Loan Agreement

In December 2013, the subsidiary Gerdau Steel India entered into a loan agreement in the amount of US\$ 25 million with HSBC, with a term of five years. The outstanding amount of this facility was US\$ 25 million as of December 31, 2016 (R\$ 81.5 million as of December 31, 2016) and the Company guarantees this transaction.

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EXIM PSI BNPDES

During 2016 the Company raised R\$ 670.3 million through the BNPDES Program EXIM PSI, with a term of two years.

Sumitomo Credit Agreement

In March 2014, the associate company Gerdau Corsa entered into a loan agreement in the amount of US\$ 75 million, denominated in Mexican Pesos, with Sumitomo Mitsui Banking Corporation, with a term of five years. The outstanding amount of this facility was US\$ 47.8 million as of December 31, 2016 (R\$ 155.8 million as of December 31, 2016) and the Company guarantees this transaction.

NCE Banco do Brasil (R\$ 500 MM)

In March 2014, the subsidiaries Gerdau Açominas and Gerdau Aços Especiais issued an Export Credit Note worth R\$ 500 million, maturing on February 16, 2020, with Banco do Brasil S.A. acting as the creditor. On December 31, 2016, the outstanding balance of the facility was R\$ 387 million.

Citi Loan Agreement

In August 2015, the subsidiary Diaco entered into a loan agreement in the amount of US\$ 40 million with Citibank and a term of three years. The outstanding amount of this facility was US\$ 38.5 million as of December 31, 2016 (R\$ 125.4 million as of December 31, 2016) and the Company guarantees this transaction.

4131 Citi

In October 2015, the subsidiary Gerdau Açominas entered into a 4131 loan agreement in the amount of R\$ 656.2 million, with a term of five years and the Company guarantees this transaction.

BBVA Credit Agreement



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In December 2015, the associate company Gerdau Corsa entered into a loan agreement in the amount of US\$ 150 million, denominated in Mexican Pesos, with BBVA with a term of five years. The outstanding amount of this facility was US\$ 120.6 million as of December 31, 2016 (R\$ 393 million as of December 31, 2016) and the Company guarantees this transaction.

### NCE Compulsória

In December, 2015 the Company raised R\$ 50 million with Banco Santander through an Export Credit Note with maturity in five years.

### Syndicated Loan

In December, 2016 the associate company Gerdau Corsa entered into a syndicated senior unsecured term loan in the amount of US\$ 330 million, denominated in Mexican pesos. As of December 31, 2016 the outstanding amount was US\$ 324.8 million (R\$ 1.1 billion as of December 31, 2016) and the Company guarantees this transaction.

All loans contracted under the FINAME/BNDES program, totaling R\$ 130.3 million, on the balance sheet date are secured by the assets being financed.

### Indebtedness Ratios

All ratios described below, calculated based on the Consolidated Financial Statements under accounting practices adopted in Brazil and IFRS of Gerdau S.A., are related to BNDES (*Banco Nacional de Desenvolvimento Econômico e Social*). In the event of a failure to satisfy the annual tests, Gerdau S.A. would have a grace period and a subsequent renegotiation of the security for the financing, and an event of default would not occur.

I) Net Interest Coverage Ratio measures the net interest expense payment capacity in relation to EBITDA (Earnings before Interest, Taxes, Depreciation and Amortization and Impairment of assets) and results in operations with subsidiaries, associate and jointly

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controlled entities. The ratio in the agreement requires that the EBITDA for the last 12 months should represent at least 3.5 times of the interest expense of the same period. As of December 31, 2016 such ratio 2.7 times in R\$.

II) Net Leverage Ratio measures the level of net debt in relation to EBITDA (Earnings before Interest, Taxes, Depreciation and Amortization and Impairment of assets) and results in operations with subsidiaries, associate and jointly controlled entities. The agreed ratio requires that the net debt should not surpass 4 times the EBITDA for the last 12 months. As of December 31, 2016 such ratio was 3.7 times in R\$.

III) Current Ratio measures the company's ability to fulfill its short term obligations. The contractual terms requires that the ratio of Current Assets divided by Current Liabilities must be greater than 0.8 times. As of December 31, 2016 the current ratio was 2.1 times in R\$.

Credit Lines

In June 2009, certain subsidiaries of the Company (Gerdau Açominas S.A., Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau S.A.) entered into a credit line with BNDES in the total amount of R\$ 1.5 billion bearing an interest rate of TJLP + 2.16% per annum when drawn. On December 31, 2016 the outstanding amount was R\$ 665.7 million.

In December 2012 the subsidiary Gerdau Açominas S.A. obtained a committed credit line with BNDES in the total amount of R\$776.6 million for the Plate and Steckel Mill project. The funds are provided as the subsidiary carries out its own investment plans and submit to BNDES the evidences of completion. The interest rate for this credit line is determined at the time of each disbursement and is composed by TJLP and exchange rate + 2.16% a year. The outstanding balance of this transaction was R\$303.9 million as of December 31, 2016.

In September 2015, the Company prepaid and cancelled the Global Working Capital Facility and in October 2015, the Company entered into a new senior unsecured working capital facility in the amount of US\$ 1 billion. The new global line is divided into two tranches, US\$ 250 million for Gerdau's North American subsidiaries and US\$ 750 million for Gerdau's Latin American subsidiaries. The outstanding loans under this line totaled US\$ 188.3 million (R\$ 613.7 million as of December 31, 2016).

***Derivatives, Off-Balance Sheet Arrangements and Contractual Obligations***

For more details see item 5-E OFF BALANCE SHEET ARRANGEMENTS

***Guarantees Granted***

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The Company has guaranteed the financing contracts of Gerdau Aço Minas S.A. in the total amount of R\$ 2.7 billion on December 31, 2016.

### Gerdau Steel India Limited

The Company is the guarantor for Gerdau Steel India for a loan agreements in the amount of US\$ 40 million (R\$ 130.4 million as of December 31, 2016) with The Bank of Tokyo, US\$ 25 million (R\$ 81.5 million as of December 31, 2016) with HSBC issued in December, 2013, with a term of five years and US\$ 43.8 million, denominated in INR, (R\$ 142.7 million as of December 31, 2016) with Citi and a term of four years.

### Bond Guarantees

The Company and the subsidiaries Gerdau Aços Longos S.A., Gerdau Aço Minas S.A. and Gerdau Aços Especiais S.A. are guarantors for GTL Trade Finance Inc., Gerdau Holdings Inc. and Gerdau Trade Inc. for the issuance of bonds with maturity of 10 and 30 years. On December 31, 2016 the outstanding balance of these facilities was R\$ 14.2 billion.

### Diaco S.A.

The Company is the guarantor for the subsidiary Diaco S.A, Co-Borrower of the global credit line, for a working capital financing in the amount of US\$ 80 million (R\$ 260.7 million as of December 31, 2016) and US\$ 3.4 million with BBVA (R\$ 11.1 million as of December 31, 2016).

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The Company is the guarantor for the subsidiary Diaco S.A for loan agreement with Citibank in the amount of US\$ 40 million, denominated in Colombian Pesos (COP). On December 31, 2016, the outstanding balance of this facility was US\$ 38.5 million (R\$ 125.4 million as of December 31, 2016).

Gerdau Corsa, S.A.P.I. de C.V.

The Company is the guarantor for the associate Gerdau Corsa, S.A.P.I. de C.V., Co-Borrower of the global credit line, for working capital financing in the amount of US\$ 84.3 million (R\$ 274.7 million as of December 31, 2016) and US\$ 20 million (R\$ 65.2 million as of December 31, 2016), both denominated in Mexican Pesos and working capital lines with Bank of America and Bladex in the amount of US\$ 73.4 million (R\$ 239.1 million as of December 31, 2016).

The Company is the guarantor for the associate Gerdau Corsa for loan agreements with Sumitomo in the amount of US\$ 47.8 million (R\$ 155.8 million as of December 31, 2016), US\$ 120.6 million with BBVA (R\$ 393 million as of December 31, 2016) and for a syndicated loan in the amount of US\$ 324.8 million (R\$ 1.1 billion as of December 31, 2016), both denominated in Mexican Pesos.

Sipar

Gerdau S.A. is the guarantor for the subsidiary Sipar for loan agreements in the amount of US\$ 0.7 million with Citibank (R\$ 2.3 million as of December 31, 2016), US\$ 105 million with Banco de La Nación (R\$ 342.2 million as of December 31, 2016), US\$ 21.7 million with BBVA (R\$ 70.9 million as of December 31, 2016) and US\$ 5.9 million with Banco Patagônia (R\$ 19.3 million as of December 31, 2016).

Sizuca

Gerdau S.A. is the guarantor for the subsidiary Sizuca for a loan agreement in the amount of US\$ 20 million with Citibank (R\$ 65.2 million as of December 31, 2016).

Comercial Gerdau (Bolivia)

The Company is the guarantor for the subsidiary Comercial Gerdau S.A., Co-Borrower of the global credit line, for a working capital financing in the amount of US\$ 4 million (R\$ 13 million as of December 31, 2016).

**Derivatives**

Risk management objectives and strategies: The Company understands that it is subject to different market risks, such as fluctuations in exchange rates, interest rates and commodity prices. In order to carry out its strategy for profitable growth, the Company implements risk management strategies with the objective of mitigating such market risks.

The Company's objective when entering into derivative transactions is always related to mitigation of market risks as stated in our policies and guidelines. All outstanding derivative financial instruments are monthly reviewed by the Financial Risk Management Committee, which validates the fair value of such financial instruments. All gains and losses in derivative financial instruments are recognized by its fair value in the Consolidated Financial Statements of the Company.

Policy for use of derivatives: according to internal policy, the financial result must arise from the generation of cash from its business and not gains from the financial market. The Company uses derivatives and other financial instruments to reduce the impact of market risks on its financial assets and liabilities or future cash flows and earnings. Gerdau has established policies to assess market risks and to approve the use of derivative financial instruments transactions related to those risks. The Company enters into derivative financial instruments to manage the above mentioned market risks and never for speculative purposes.

Policy for determining fair value: the fair value of the derivative financial instruments is determined using models and other valuation techniques, which involve future prices and curves discounted to present value as of the calculation date. Amounts are gross before taxes. Due to changes in market rates, these amounts can change up to the maturity or in situations of anticipated settlement of transactions.

The derivative financial instruments may include: interest rate swaps, cross currency swaps and currency forward contracts.

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Dollar forward contracts: the Company entered into NDF operations (Non Deliverable Forward) in order to mitigate the foreign exchange risk on assets and liabilities denominated in foreign currencies, mainly U.S. dollar. The counterparties of these transactions are financial institutions with low credit risk.

Swap Contracts: the Company entered into cross currency swap, designated as a cash flow hedge, contract whereby it receives a variable interest rate based on LIBOR in US dollars and pays a fixed interest rate based in the local currency. The counterparties to these transactions are financial institutions with low credit risk.

Contracts		Position		Notional value		Amount receivable		Amount payable	
				2016	2015	2016	2015	2016	2015
<b>Forward</b>									
Maturity at 2016		long in USD			US\$	108.0 million		37,981	
Maturity at 2017		long in USD	US\$	84.8 million		734		(6,584)	
Maturity at 2017		short in USD	US\$	15.0 million		1,823			
<b>Cross currency swap</b>									
Maturity at 2017	receivable under the swap	Libor 6M + 2.25%	US\$	25.0 million	US\$	25.0 million	5,684	1,756	
	payable under the swap	INR 11.02%							
Maturity at 2018	receivable under the swap	Libor 6M + 2%	US\$	40.0 million	US\$	40.0 million	4,710	3,864	
	payable under the swap	INR 10.17%							
<b>Total fair value of financial instruments</b>						12,951	43,601	(6,584)	

The effects of financial instruments are classified as follow:

	2016	2015
<b>Unrealized gains on financial instruments</b>		
Current assets	2,557	37,981
Non-current assets	10,394	5,620
	12,951	43,601
<b>Unrealized losses on financial instruments</b>		
Non-current liabilities	(6,584)	
	(6,584)	

	2016	2015
<b>Net Income</b>		
Gains on financial instruments	33,753	129,917
Losses on financial instruments	(72,683)	(42,832)
	(38,930)	87,085
<b>Other comprehensive income</b>		
Gains (Losses) on financial instruments	212	17,283

For further information regarding swap contracts (interest rate swap and cross currency swap) refer to Note 15 Financial Instruments, item e) Operations with Derivative Financial Instruments.

## Capital Expenditure

### 2016 Capital Expenditure

In fiscal year 2016, capital expenditure on fixed assets was R\$ 1,323.9 million. Of this total, 46.0% was allocated to the operations in Brazil and the remaining 54.0% was allocated to the other operations among the countries in which Gerdau operates.

*Brazil Business Division* a total of R\$ 608.5 million was invested in this operation for capital expenditure. The main highlight was the installation work of flat steel rolling mill (heavy plates) at Ouro Branco mill, which started production at the end of July, 2016.

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*North America Business Division* this business division spent R\$ 227.4 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

*South America Business Division* in 2016, the South American units spent R\$ 347.0 million for capital expenditure on fixed assets distributed among the countries in which the units from this business division are located. Part of this investment is being used to build a new melt shop in Argentina, which will have a capacity of 650,000 tonnes of steel per year and will start production on March of 2017.

*Special Steel Business Division* the special steel units spent R\$ 140.9 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

**2015 Capital Expenditure**

In fiscal year 2015, capital expenditure on fixed assets was R\$ 2,324.7 million. Of this total, 46.9% was allocated to the operations in Brazil and the remaining 53.1% was allocated to the other operations among the countries in which Gerdau operates.

*Brazil Business Division* a total of R\$ 1,091.2 million was invested in this operation for capital expenditure. The main highlight was the installation work of flat steel rolling mill (heavy plates) at Ouro Branco mill, which will start production at the end of July, 2016.

*North America Business Division* this business division spent R\$ 346.9 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

*South America Business Division* in 2015, the South American units spent R\$ 443.6 million for capital expenditure on fixed assets distributed among the countries in which the units from this business division are located. Part of this investment is being used to build a new melt shop in Argentina, which will have a capacity of 650,000 tonnes of steel per year and will start production on March of 2017.



*Special Steel Business Division* the special steel units spent R\$ 442.9 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

#### **2014 Capital Expenditure**

In fiscal year 2014, capital expenditure on fixed assets was R\$ 2,266.7 million. Of this total, 40.0% was allocated to the operations in Brazil and the remaining 60.0% was allocated to the other operations among the countries in which Gerdau operates.

*Brazil Business Division* a total of R\$ 1,068.5 million was invested in this operation for capital expenditure. The main highlight was the installation work of flat steel rolling mill (heavy plates) at Ouro Branco mill. Currently, the project is in the phase of installation of the metal structures of the buildings and electromechanical installation of the equipment. In the mining project, the investment was mainly spent on the maintenance of the operation.

*North America Business Division* this business division spent R\$ 308.7 million for capital expenditure on fixed assets distributed throughout the units which compose this business division. This amount was mainly spent for the maintenance of the production units.

*South America Business Division* in 2014, the South American units spent R\$ 320.5 million for capital expenditure on fixed assets distributed among the countries in which the units from this business division are located. Part of this investment is being used to build a new melt shop in Argentina, which will have a capacity of 650,000 tonnes of steel per year.

*Special Steel Business Division* the special steel units spent R\$ 569.0 million in 2014 for capital expenditure. Part of this investment was to finalize the installation of the new special steel rolling mill at Monroe mill in the USA. Additionally, the Company concluded the installation of a new continuous casting in St. Paul in Minnesota (USA).

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**Main Capital Expenditure Currently in Progress**

The disbursements in fixed assets planned for 2017 are estimated at R\$ 1.3 billion, and include both strategic and maintenance investments.

**C. RESEARCH AND DEVELOPMENT, PATENTS AND LICENCES, ETC.**

System supported by a wide array of quality control tools. Product development projects are headed by specialists who use quality tools such as Six Sigma, a set of statistical methods for improving the assessment of process variables, and the concept of Quality Function Deployment, a methodology through which technicians can identify and implement the customer requirements.

Given this level of quality management, mills are ISO 9001 or ISO TS 16949 certified as well as a sort of products and laboratories certification according demands. In general, production, technical services and quality teams are responsible for All Gerdau mills have a Quality Management developing new products to meet customer and market needs.

Gerdau uses a Quality Management System developed in house that applies tests for product design, manufacturing processes and final-product specifications. A specially trained team and modern technologies also exist to assure the manufactured product high standards of quality. Gerdau's technical specialists do planned visits, some are randomly selected and some are scheduled visits, to its customers to check on the quality of the delivered products in order to guarantee the final user satisfaction for products purchased indirectly.

Due to the specialized nature of its business, the Gerdau special steel mills are constantly investing in technological upgrading and in research and development. These mills are active in the automotive segment and maintain a technology department (Research and Development) responsible for new products and the optimization of existing processes.

International machinery manufacturers and steel technology companies supply most of the sophisticated production equipment that Gerdau uses. These suppliers generally sign technology transfer agreements with the purchaser and provide extensive technical support and staff training for the installation and commissioning of the equipment. Gerdau has technology transfer and benchmarking agreements with worldwide recognized performance companies.

As is common with mini-mill steelmakers, Gerdau usually acquires technology in the market rather than develops new technology through intensive process research and development, since steelmaking technology is readily available for purchase.

Gerdau works continuously to monitor and anticipate the needs of its customers. For this, has research and development centers in Brazil and the United States used to meet the market demands for special steel, especially for the automotive industry. The Company invested in Technological Innovation projects and research and development the amount of R\$ 95,3 million in 2014, R\$ 117.9

million in 2015 and R\$ 23.1 million in 2016.

The Company is not dependent on patents or licenses or new manufacturing processes that are material to its business.

#### **D. TREND INFORMATION**

The outlook for the world steel industry continues to call for weak consumption growth and overcapacity. In the countries in which we operate, it is the developed markets that present a positive outlook.

The U.S. economy should continue to improve in 2017 due to continued expansion of the non-residential construction sector and the continuing strong performance of the automotive sector. In addition, the President of the United States has stated that investment in infrastructure will be a priority of his administration, which should result in an increase in the country's steel consumption. Nevertheless, continued growth in steel imports should continue to pressure the margins and results of companies in the industry.

Brazil's outlook for 2017 is that the recession is nearing its end, but recovery will be gradual. The comparison between the start of 2016 and of 2017 shows a clear improvement of the outlook. First, with inflation declining fast, the Central Bank has started a long and intense monetary easing cycle, which, without jeopardizing the goal of attaining the target of 4.5%, should lead to slight GDP growth in 2017 and set the stage for stronger growth in 2018. In parallel, the Central Bank has been announcing microeconomic reforms, such as simplification of the rules on banks' reserve requirements and actions aimed to reduce banking spreads, both of which will boost the supply of credit further ahead. Second, after winning approval of the constitutional amendment that freezes primary expenditures in real terms, the government sent to Congress a proposal for social security reform, which has a good chance of being approved and will be an important step toward consolidation of fiscal equilibrium. This has caused the risk premiums to fall and virtually ended the fear that Brazil might be trapped in a situation of fiscal dominance, destroying the efficacy of monetary policy and seriously undermining economic growth. One of the consequences of this change in outlook has been appreciation of the real, which due to its effect of lowering inflation gives the Central Bank more leeway to reduce the interest rate to stimulate economic activity.

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Moreover, South America's other economies, in general, are expected to grow at varying rates in 2017, influencing apparent steel consumption in the region.

In relation to the special steel segment in particular, the outlook indicates a gradual recovery in Brazil's automotive industry, with a direct impact on special steel demand. In North America, the auto industry is expected to continue to perform well and the improved outlook for the oil and gas industry should result in an increase demand for special steel in the region. In India, estimates point to an increase in the production of vehicles, consequently expanding the consumption of special steels in the country.

We are also working with the expectation of price volatility in the international market and the possibility of higher steel imports in virtually all markets in which we operate, which is a point for the industry to monitor. Furthermore, geopolitical conflicts are curbing economic growth in certain regions of the globe and consequently impacting steel consumption and sales. In light of this scenario, Gerdau will continue to adjust its operations to developments in the world steel industry, while continuing to work to capture operating efficiency gains and ensure the sustainability of its business.

**E. OFF-BALANCE SHEET ARRANGEMENTS**

The Company does not have any off-balance sheet arrangements that have or are reasonably likely to have a current or future effect on its financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources other than the ones described below.

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with Banco Latinoamericano e Comércio Exterior, in the amount of US\$ 40 million (R\$ 130,364 as of December 31, 2016).

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with Bank of America, in the amount of US\$ 30 million (R\$ 97,773 as of December 31, 2016).

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with local banks, in the amount of US\$ 330 million (R\$ 1,075,503 as of December 31, 2016).

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with BBVA bank, in the amount of US\$ 150 million (R\$ 488,865 as of December 31, 2016).

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with Scotiabank, in the amount of US\$ 110 million (R\$ 358,501 as of December 31, 2016).

The Company provides a guarantee for the line of credit of its jointly controlled entity Gerdau Corsa SAPI de C.V., with Sumitomo, in the amount of US\$ 75 million (R\$ 244,432 as of December 31, 2016).

The Company is the guarantor of the jointly controlled entity Gerdau Corsa SAPI de C.V., co-borrower of a global credit line to finance working capital in the amount of US\$ 106 million (R\$ 345,465 as of December 31, 2016).

#### **F. DISCLOSURE OF CONTRACTUAL OBLIGATIONS**

The next table sets forth the Company's contractual obligations on December 31, 2016 (in thousands of reais).

Contractual obligations (R\$ thousands)	Total	Payments due by period			
		Less than 1 year	1-3 years	4-5 years	More than 5 years
Short-term debt obligations (1)	4,090,264	4,090,264			
Long-term debt obligations (1)	15,959,590		2,554,735	6,762,372	6,642,483
Debentures (1)	277,879			93,488	184,391
Interest payments	9,208,176	1,849,958	2,263,587	1,680,708	3,413,923
Unrealized losses on financial instruments	6,584	6,584			
Obligations with FIDC	1,007,259				1,007,259
Operating lease obligations (2)	382,684	80,842	123,931	82,986	94,925
Capital expenditures (3)	606,848	606,848			
Unconditional purchase obligations (4)	227,899	227,899			
Pension funding obligations (5)	144,417	136,828	2,588	2,077	2,924
<b>Total</b>	<b>31,911,600</b>	<b>6,999,223</b>	<b>4,944,841</b>	<b>8,621,631</b>	<b>11,345,905</b>

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(1) Total amounts are included in the December 31, 2016 consolidated balance sheet. See Note 13 - Loans and Financing and Note 14 - Debentures in the consolidated financial statements.

(2) Includes minimum lease payment obligations for equipment and real property leases in effect as of December 31, 2016.

(3) Purchase obligations for capital expenditures are related to capital projects. The full amount relates to capital project agreements where Gerdau has irrevocably committed with suppliers to acquire equipment. As the equipment had not been received by December 31, 2016, the corresponding liability has not yet been recorded in its financial statements.

(4) The majority of other purchase obligations are for inventory and operating supplies and expenses used in the ordinary course of business.

(5) Pension funding obligations are included as per actuarial computations made by third party actuaries.

**G. SAFE HARBOR**

See the disclaimer with respect to Forward-Looking Statements.

**ITEM 6. DIRECTORS, SENIOR MANAGEMENT AND EMPLOYEES**

**A The Directors, Senior Management and Employees of the Company at December 31, 2016 and as of the date hereof are as follows:**

**CLAUDIO JOHANNPETER (born in 1963)**

- Education: Degree in Metallurgical Engineering from the Universidade Federal do Rio Grande do Sul (UFRGS). He completed courses in Operations Management at University of London (Canada), Executive Development at Penn State (United States) and Advanced Management Program at Harvard (United States).

- Experience: He has worked at Gerdau since 1982. In 2007, he was elected Chief Operating Officer (COO), a position he held until August 2012. He is currently Chairman of the Board of Directors of Gerdau S.A. and Metalúrgica Gerdau S.A., and member of the Executive Committee of Gerdau - GEC.

**ANDRÉ BIER GERDAU JOHANNPETER (born in 1963)**

- Education: Degree in Business Administration from the Pontifícia Universidade Católica do Rio Grande do Sul (PUC - RS). Studied General Business Administration at the University of Toronto (Canada), Marketing at the Ashridge Business School (UK), and Advanced Management at the Wharton School, University of Pennsylvania (United States).
- Experience: he has worked at Gerdau for over 30 years. Holds the positions of (i) Chief Executive Officer (CEO), member of the board, member of the Executive Committee, member of the Corporate Governance Committee and member of the Compensation and Succession Committee of Gerdau S.A.; (ii) Chief Executive Officer (CEO) and member of the board of Seiva S.A. - Florestas e Indústrias, company that is part of the Gerdau economic group; (iii) member of the Board and member of the Executive Committee of Metalúrgica Gerdau S.A., a listed company, holding of Gerdau S.A. (iv) He is member of the board of the Instituto Aço Brasil (Brazilian Steel Institute) and member of the Executive Committee of Worldsteel Association. He also serves as member of the Board of the Strategic Superior Council of the Federation of Industries of the State of São Paulo (FIESP) and Economic Council of the Federation of Industries of the State of Rio Grande do Sul (FIERGS).

**RICHARD CHAGAS GERDAU JOHANNPETER (born in 1974)**

- Education: Degree in Law and Social Sciences from the Universidade Federal do Rio Grande do Sul (UFRGS) and has an MBA from the Stanford Graduate School of Business (United States)
- Experience: He began his career as an intern in 1993. In 1995 he was hired as a salesman of Civil Construction Steel Area and was promoted in 1996 to Administration Manager, also passing through Sales and Marketing of the same area. In 1997 he was transferred to the financial area at Gerdau as Technical Advisor, and later was transferred to São Paulo as Metallic Purchase Manager. In 2003 he returned to Porto Alegre to be Technical Advisor in Banco Gerdau. In 2005 he resigned his position to attend an MBA program in the United States, returning in 2007 as Investment Manager for Brazil and foreign operations. In 2010, he became the Investment Director of the holding company that controls Metalúrgica Gerdau SA, position he keeps so far. He is currently member of the Board of Directors and member of the Corporate Governance Committee in Gerdau S.A.

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**EXPEDITO LUZ (born in 1951)**

- Education: Degree in Law from the Universidade Federal do Rio Grande do Sul (UFRGS) in 1975 and a master's degree in Law from Columbia Law School in New York (United States) in 1980.
- Experience: He began working for Gerdau S.A. in 1976. In 1989 he became Legal Executive Director. In 2009 he became Executive Vice-President of Legal and Compliance, at which time he became a member of the Company's Executive Committee. In 2001 he became General Secretary of the Board of Directors. In April 2015, he left his executive positions at Gerdau S.A. and Metalúrgica Gerdau S.A. and on May 1, 2015, he joined the Board of Directors of both companies. He is also a member of the Corporate Governance Committee of Gerdau S.A.

**AFFONSO CELSO PASTORE (born in 1939)**

- Education: Degree in Economics from the University of São Paulo and has a PhD in Economics from the same university.
- Experience: He was Treasury Secretary of São Paulo State and President of the Central Bank of Brazil. He is (i) an Independent Member of the Board of Directors of Gerdau SA and Metalúrgica Gerdau SA, listed company, holding of Gerdau S.A. whose the activity is the manufacture of general steel products since February 2002 and also a member of the Corporate Governance Committee and member of the Compensation and Succession Committee of Gerdau S.A.; (ii) Member of the Board of Directors of M. Dias Branco S.A. - Industria e Comércio de Alimentos, listed company whose activity is the manufacturing and trade food products wheat derivatives, especially biscuits, crackers, pasta and wheat flour since July 2010. He was member of the Board of Directors of Even Construtora e Incorporadora S.A., listed company whose activity is the construction of buildings since February 2010 until April 2013; member of the Board of Directors of Klabin Segal S.A., a company whose activity is promotion, construction and real estate developments of any kind, own or third party from May 2006 until May 2008 and Engevix Engenharia S.A., leading company whose activity is elaborate studies, projects and integration and project management in Energy, Industry and Infrastructure areas, from March 2008 until August 2009. Pastore is the founder partner of AC Pastore & Associados SS Ltda, a consulting company, specializing in economics analysis of the Brazilian and International Economy. In addition, in the last 5 years he worked as an economist, analyst and economic adviser, writing articles, reports and studies. He participated in national and international seminars, and has given lecture on topics related to the Brazilian and World Economies.

**FERNANDO FONTES IUNES (born in 1962)**

- Education: Degree in Civil Engineering from the Faculdade de Engenharia da Universidade Mackenzie and obtained the title of MS and PhD from the University of London (UK).



- **Experience:** Fernando was a Senior Advisor, Partner and Executive Director, responsible for the Global Investment Banking of Banco Itaú BBA S.A. from 2010 to 2015, during which helped to establish a leading platform for Investment Banking in Latin America, with operations in Brazil, Argentina, Chile, Colombia, Peru and Mexico. Previously he held various positions in Banco Itaú BBA S.A., where he was Director responsible for the areas of Capital Markets 2003-2010, Itaú Banco de Investimento S.A., where he served as Executive Officer from 2001 to 2003, Banco BBA Creditanstalt S.A. and Creditanstalt in New York in 1994. During that period, Fernando participated in some of the largest and most important capital markets transactions, mergers, acquisitions and reorganizations held in Latin America. Fernando also worked on the Infrastructure and Urban Development Department, Policy, Research and External Affairs at the World Bank in Washington. He was a professor of the Instituto Brasileiro de Mercado de Capitais - IBMEC (Insper). Currently, Fernando is a senior fellow at Harvard University in the 2017 Advanced Leadership Initiative in Cambridge, United States. On September 28, 2015, he joined the Board of Directors of Gerdaul SA.

**HARLEY LORENTZ SCARDOELLI (born in 1963)**

- **Education:** Degree in Civil Engineering from the Universidade Federal do Rio Grande do Sul (UFRGS), graduated in Business Administration from the Pontifícia Universidade Católica do Rio Grande do Sul, and holds a CFA certification.

- **Experience:** He began his career at Gerdaul in May 1988, during which he has worked for Gerdaul's operations in Canada, United States, Spain and Brazil. Harley Lorentz Scardoelli was elected Statutory Director on July 15, 2015. On September 3, 2015, he was elected Vice President, responsible for Finance, Planning, Accounting, Tax and Legal. He also holds the position of Investor Relations Director of the companies Gerdaul S.A., Metalúrgica Gerdaul SA and Seiva S.A. Florestas e Indústrias. He is also board member of Abrasca.

**GUILHERME CHAGAS GERDAUL JOHANNPETER (born in 1971)**

- **Education:** Degree in Law from the Unisinos in 1995 and has a Marketing and Finance MBA from Kellogg School of Management, Illinois (United States).

- **Experience:** He started his career at Gerdaul in October 1985, as Administrative Assistant, and was promoted to Scrap Purchaser at Gerdaul Riograndense in 1992 and then to Legal Assistant in Porto Alegre in 1994. In 1996, he was promoted to Sales Manager of the São Paulo subsidiary of Commercial Gerdaul. In 2000, after he concluded his MBA and returned to Brazil, Guilherme was promoted to the position of Marketing and Planning Manager of Commercial Gerdaul based in São Paulo. In 2002, he was promoted to the position of Executive Manager of the Industrial Wire Business Area (GPM); in 2003, he was promoted to the position of Executive Director of the Gerdaul Industrial Products Business area (GI) and to the position of Executive Director of the Civil Construction Business Area

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and Rebar Fabrication (GC) in 2005. In 2006 Guilherme was appointed to the position of Marketing Director for Gerdau Long Steel North America (GLN), then called Gerdau Ameristeel and he relocated to Tampa, United States. In 2007 he was promoted to Vice Director for the Manitoba, Bright Bar and Duluth Grinding Balls facilities of the same Business Division. By this time, he also joined GLN Executive Committee. In 2009 Guilherme was appointed to Regional Director for Special Bar Quality and Wire Rod Operations at GLN which included the locations of Manitoba, St. Paul, Beaumont, Perth Amboy, Joliet and Duluth Grinding Balls. In 2010 Guilherme was promoted to Executive Director of Gerdau Special Steel North America (GSN) and in 2011 he was promoted to the position of Long Steel North America Business Division Leader, position held until April, 4th, 2014 when he became member of the Gerdau Executive Committee, as Executive Vice President, coordinating the Special Steel Business Division and the Gerdau 2022 Project - Strategy, shifting its base to the office in São Paulo, Brazil. Guilherme Chagas Gerdau Johannpeter currently accumulates the functions as (i) member of the Board of Directors, Vice President Director and member of the Executive Committee of Metalurgica Gerdau S.A.; (ii) a member of the Board, member of the Succession and Compensation Committee and member of the Risk Committee of Gerdau S.A.; (iii) member of the Board of Directors of Seiva S.A. - Florestas e Indústrias.

**FRANCISCO DEPPERMAN FORTES (born in 1963)**

- **Education:** Degree in Metallurgical Engineering from Universidade Federal do Rio Grande do Sul (UFRGS) in 1985 and a master's degree in Business Administration from the same University in 2001. In 2008, he completed the Gerdau Business Program and in 2010, he attended the Stanford Executive Program at Stanford University in the United States.

- **Experience:** He started his career in 1984 as an intern in the Engineering area at Gerdau being, subsequently, hired as Technical Advisor in this same area. In 1992, after a period in which he studied and worked in Germany, he took the responsibility for coordinating the area of Management Systems of Aços Especiais Piratini, until 2000, also he accumulated the responsibility for the Human Resources of the unit. In 2001 he served as Manager of the Management System Area of Integrated Regional Unit of Long Steel Brazil. In 2003 he was transferred to the city of Porto Alegre where he started coordinating the global implementation and structuring of Gerdau Business System and Total Safety System, where he was promoted to Director of Management Systems in 2004. In January, 2006, he was promoted to the position of Executive Director of Gerdau Riograndense and Guaíba and in 2007 he was promoted to the position of Corporate Director of Human Resources, the position in which he added, over time, the processes of Organizational Development, Management Systems, Environment, Health and Safety, Management and Innovation, Shared Services, Business Security and Information Technology. Since 2011, he is the Vice President of Human Resources, Organizational Development, Management Systems, Environment, Health and Safety and Information Technology and member of the Executive Committee of Gerdau S.A. Since April 1, 2015 he is a member of the Executive Committee of Gerdau S.A., Metalurgica Gerdau S.A. and Seiva S.A. - Florestas e Indústrias.

Find below the summary of the structures of the Board of Directors and of the Statutory Board of Executive Officers:

Board of Directors

Chairman:

Claudio Johannpeter

Board members:

André Bier Gerdau Johannpeter

Richard Chagas Gerdau Johannpeter

Expedito Luz

Affonso Celso Pastore

Fernando Fontes Iunes

Statutory Board of Executive Officers

Chief Executive Officer (CEO):

André Bier Gerdau Johannpeter

Vice-Presidents:

Claudio Johannpeter

Guilherme Chagas Gerdau Johannpeter

Francisco Deppermann Fortes

Vice-President, Chief Financial officer (CFO) and Investor Relations Officer

Harley Lorentz Scardoelli

**Family Relationships**

Jorge Gerdau Johannpeter, Germano Hugo Gerdau Johannpeter, Klaus Gerdau Johannpeter and Frederico Carlos Gerdau Johannpeter are brothers. André Bier Gerdau Johannpeter is Jorge Gerdau Johannpeter's son, Claudio Johannpeter is Klaus Gerdau Johannpeter's son, and Guilherme Chagas Gerdau Johannpeter and Richard Chagas Gerdau Johannpeter are sons of Frederico Carlos Gerdau Johannpeter. Guilherme Chagas Gerdau Johannpeter and Richard Chagas Gerdau Johannpeter are brothers.

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**Arrangements**

Gerdau has no agreement of any kind with shareholders, clients, suppliers or other parties with respect to the election of its officers or directors. There are no pending legal proceedings to which any Company Board Member, Executive Officer or Advisory Council is a party against the Company. Apart from statutory severance benefits, none of the Board Members, Executive Officers or Advisory Council is entitled to any contractual benefits upon termination of employment.

**B. COMPENSATION**

The employees' compensation system is divided into two portions: a fixed salary and a variable pay linked to performance.

The fixed portion of the compensation is constantly monitored and compared to market benchmarks in order to maintain parity with the best market practices as adopted by other companies. The variable portion of the compensation package is tied to annual goals. These goals are measured against standards clearly specified that are intended to support and motivate overachievement of individual and teams results.

The human resources policy states and recognizes co-workers as being strategic to the business.

The Company conducts evaluations based on several different methodologies, including competence mapping, to track the managerial skills of its executives. Competence mapping aims to identify the degree of alignment of executives with the Company's strategies and business management and to monitor individual development.

In 2016, the Directors and Executive officers of Gerdau were paid a total of R\$ 49.2 million in total remuneration as salary, variable remuneration, benefits, social charges, and termination. The variable remuneration of directors is determined based on Gerdau's financial results and individual performance evaluation. Fiscal Council members are not eligible for this installment.

Gerdau Group sponsors Pension Plans for its subsidiaries in Brazil and abroad. About 9% of participants are in the Defined Benefit plans and 91% in a Defined Contribution plan.

During 2016, Gerdau's contribution to the Gerdau Plan with respect to the executive officers amounted to R\$ 1.3 million to the Defined Contribution Plan. This sum includes only that portion of contributions for executives who do not currently receive retirement benefits. These benefits are in no way different from those offered to the other employees of the Company.

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On April 30, 2003, Gerdau's shareholders approved a new compensation program for strategic employees in the Company known as the Long Term Incentive Program. This program foresees the grant of options of the Company's Preferred Shares, on an annual basis, representing 20% of the annual base salary of each executive and, for the Directors and Executive Offices, an additional entrance bonus equivalent to 30% of the annual salary which latter was eliminated as of April 28, 2005. From 2005 on, in order to align their potential total compensation to market measures, the Board members were granted a number of shares representing 120% of their base salary. This modification of the long term incentive program was approved by the Compensation and Succession Committee in February 2006. In 2007, the Compensation and Succession Committee approved a change in the grant to the Chief Executive Officer (CEO) and the Chief Operating Officer (COO) to the equivalent of 50% of their annual base salaries. In order to align the potential total compensation to market measures, the Compensation and Succession Committee approved respectively in 2012 and in 2013, to the Chief Executive Officer (CEO) and to the Chief Operating Officer (COO) a change to the grant to 75% and then to 120% of their annual base salaries and to the Vice-Presidents to 30% and then to 40%.

The intent of such Program to attract and assure the long-term commitment of executives by allowing them to share in the growth of the Company, thereby enhancing the sense of participation in the business. (See Item 10. Additional Information B. Memorandum and Articles of Association).

To meet the effort of aligning globally both the compensation programs and the business needs, the Human Resources team supported by the HAY Group Consultancy, expert in compensation related matters, reviewed the Long Term Compensation Program in order to tie significant part of this compensation to a long term financial metric, in this case the ROCE (Return on Capital Employed), which was submitted to and approved by the Gerdau Compensation and Succession Committee during the meeting held on April 28, 2010.

The Chief Executive Officer (CEO), the Board Members and Director positions and higher will have part of their Long Term Compensation tied to ROCE (Return on Capital Employed) calculated on a yearly basis by comparing the actual ROCE against the one foreseen in the Strategic Plan.

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In a shareholders meeting, held on September 19, 2013, changes to the Program were approved to better support the fulfillment of long term goals. These changes consisted of the inclusion of new vehicles such as Restricted Shares, Performance Shares, Differed Shares and also allowed participants to convert voluntarily until November 17, 2013, their Stock Options or Share Appreciation Rights to Restricted Shares, through a calculation methodology that assured that there would be equivalent fair value.

The fair value calculation was determined by a specialized external consultancy and the trinomial evaluation method was used. The Restricted Shares resulting from the conversion will be exercised in five equal instalments on the following schedule: December 9, 2013, March 20, 2015, March 20, 2016, March 20, 2017 and March 20, 2018.

The Compensation and Succession Committee has approved all stock option grants since the program begun. Share figures have been retroactively adjusted for all periods to reflect the bonus issue of one share for each share held in April 2004, the bonus issue of one share for every two shares held in April 2005, the bonus issue of one share for every two shares held in April 2006 and the bonus issue of one share for each share held in June 2008.

The Long Term Incentive grants distributed to the Board of Directors and Executive Committee are as follows (see Consolidated Financial Statements Note 24 for a complete summary of the stock option plans):

Exercise Price:	R\$ 6,78	R\$ 10,58	R\$ 10,58	R\$ 12,86	R\$ 17,50	R\$ 26,19	R\$ 14,91	R\$ 29,12	R\$ 22,61	R\$ 14,42	R\$ 18,58
Grant Date:	30-dez-03	30-dez-04	30-dez-04	30-dez-05	30-dez-06	30-dez-07	30-dez-08	30-dez-09	30-dez-10	30-dez-11	30-dez-12
Vesting Date:	2-jan-09	2-jan-10	2-jan-08	2-jan-11	2-jan-12	2-jan-13	2-jan-14	2-jan-15	2-jan-16	2-jan-17	2-jan-18
Expiration Date:	30-dez-13	30-dez-14	30-dez-14	30-dez-15	30-dez-16	30-dez-17	30-dez-18	30-dez-19	30-dez-20	30-dez-21	30-dez-22
Total Options Granted to Directors and Executive Officers	595.508	515.552	258.123	1.086.037	819.369	630.703	1.189.576	968.195	628.367	897.510	846.330
Exercised Options	595.508	495.401	258.123	34.249	6.981	0	16.494	1.825	2.953	4.560	3.378
Cancelled Options	0	0	0	0	0	0	0	321.574	393.918	312.066	262.152
Balance Options	0	0	0	0	0	0	0	0	0	190.525	207.654
Options converted to Restricted Share	0	20.151	0	1.051.788	812.388	630.703	1.173.082	644.796	231.496	390.359	373.146

Grant Price:	R\$ 16,58	R\$ 18,36	R\$ 9,65	R\$ 4,29
Grant Date:	1-set-13	1-jan-14	1-jan-15	1-jan-16
Vesting Date:	31-mar-14	31-mar-15	31-mar-16	31-mar-17
Expiration Date:	31-mar-18	31-mar-19	31-mar-20	1-mar-21
Total Restricted Share (Conversion)	2.751.045	0	0	0
Exercised Restricted Share (Conversion)	2.594.317	0	0	0
Cancelled Restricted Share (Conversion)	0	0	0	0
Balance Restrict Share (Conversion)	156.728	0	0	0
Grant Restricted Share	0	202.519	361.540	1.553.413
Exercised Restricted Share	0	90.578	98.167	95.042
Cancelled Restricted Share	0	0	0	0
Balance Restrict Share	0	111.941	263.373	1.458.371
Grant Performance Share	0	754.666	1.446.960	2.163.086
Exercised Performance Share	0	82.052	883.036	14.660
Cancelled Performance Share	0	377.077	38.398	127.903

Balance Performance Share	0	295.537	525.526	2.020.523
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Note 1: Vice President Manoel Vitor de Mendonça Filho resigned as administrator on November 30, 2016. On December 31, 2016, upon termination of his employment contract, he ceased to be a guest member of the Executive Committee Gerdau.

### **C. BOARD PRACTICES**

Gerdau has a historical commitment to good corporate governance practices and to strengthening the stock markets, which is why it takes part in Level 1 of the São Paulo Stock Exchange (Bovespa) Differentiated Corporate Governance program (since 2001 in the case of Gerdau S.A. and since 2003 for Metalúrgica Gerdau S.A.).

Furthermore, the Gerdau S.A and Metalúrgica Gerdau S.A also have an information disclosure policy that defines the criteria guiding investor relations, including the announcement of relevant acts and facts. The aim is to maintain a fast and efficient flow of data while respecting the rules of secrecy and confidentiality. This policy covers controlling shareholders, officers and managers, members of the Board of Directors and Board of Auditors and any organizations or persons with technical or consultative functions which, as a result of their responsibilities, function or position, have access to information concerning the Gerdau Companies.

The structure is composed of three levels and has maintained the existing governing bodies: the Board of Directors, the Executive Committee and the Board of Officers.

**Board of Directors:** The Board of Directors is responsible for determining the broad direction of the Gerdau's business. The Board may have up to eleven (11) members; currently there are three independent Board members. The Board has three (3) Committees: Corporate Governance; Compensation and Succession; and Risks. According to the Ordinary General Shareholders Meeting, held on April 26, 2016, the members of the Board of Directors, whose terms of office expire on April 30, 2017, are:

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***Chairman***

Claudio Johannpeter (1), (2) and (3)

***Member***

André Bier Gerdau Johannpeter (2) and (3)

Richard Chagas Gerdau Johannpeter (1)

Affonso Celso Pastore (1) and (2)

Expedito Luz (1)

Fernando Fontes Iunes (1) and (2)

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(1) Member of the Corporate Governance Committee

(2) Member of the Compensation and Succession Committee

(3) Member of the Risk Committee

The Committees created to support the Board of Directors are:

Corporate Governance Committee: responsible for, among other functions, keeping the members updated about the trends and benchmarks of Corporate Governance; evaluating the recommendations of the agents of capital markets and financial and specialized agencies, to recommend to the Board principles and guidelines of Corporate Governance; reviewing and commenting on the information relating to Corporate Governance contained in the official documents of the Company for dissemination to the market and evaluating the performance of the Board as a whole.

Succession and Compensation Committee: its main functions are: recommend policies for selection, retention and succession of directors and strategic executives of the company; evaluate compensation plans, benefits and pensions of directors and strategic executives; review of general wage increases; general definition of global values of variable remuneration and grant of stock options; and the review and monitoring of the training programs for strategic managers and executives, suggesting alternatives to their professional development, review general HR strategies and its compensation policies; participate in the evaluation process of the members of the Executive Committee of the Company.



**Risk Committee:** its main duties are monitoring relevant topics, such as reviews of the status of the Sarbanes Oxley controls, adequacy of risk controls associated with each macro process and / or operation, including, but not limited to, environmental risks, enterprise security, information security, the work of internal audit on operational risks, statistics, as well as relevant Ethic and Compliance issues and legal contingencies, subject to the provisions of Policy on Risk Management published on the Company website.

**Board of Executive Officers:** Statutory Board whose members are responsible for the representation of the company and performance of the acts needed for the company's standard operations.

The members of the Statutory Board of Executive Officers are:

Chief Executive Officer (CEO):

André Bier Gerdau Johannpeter

Vice-Presidents:

Claudio Johannpeter

Guilherme Chagas Gerdau Johannpeter

Francisco Deppermann Fortes

Vice-President, Chief Financial officer (CFO) and Investor Relations Officer:  
Harley Lorentz Scardoelli

**Gerdau Executive Committee:** The Gerdau Executive Committee is responsible for coordinating the activities of the executive officers and managing the Company's business, the purpose being to build on the Company's relationship with the market and ensure best corporate governance practices. This structure provides an administrative link between the Board of Directors and the Company's business operations. Its activities are divided into business operations (BOs), defined by product line and/or geographical location: BO - Brazil, BO - Special Steel Products, BO - North America and BO - South America. The Gerdau Executive Committee is also responsible for the main corporate areas that operate vertically throughout the Gerdau companies, such as finance, accounting, human resources, planning and legal. Committee members work together to encourage a greater synergy among operations, and individually with a focus on the management of each business and corporate areas in order to maximize results.

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Other Committees created to Support the Management: In order to provide support to the Executive Committee several committees were created and are responsible for advising on specific matters, as such the Disclosure Committee.

The members of the Gerdau Executive Committee are:

André Bier Gerdau Johannpeter

Claudio Johannpeter

Guilherme Chagas Gerdau Johannpeter

Francisco Deppermann Fortes

Harley Lorentz Scardoelli

Assigned member of the Gerdau Executive Committee (section 9, paragraph 9th of the Company's By-laws).

Peter John Campo

**PETER JOHN CAMPO (born in 1962)**

- Education: Degree in Science from Rice University (United States), holds a Ph.D. in Chemical Engineering from the California Institute of Technology (United States) and is a certified Six Sigma Master Black Belt.
- Experience: He joined Gerdau in 2008. Within the company's North American Long Steel business division, he has served as the Vice President of Procurement, Sales and Operations Planning, Vice President and General Manager of Downstream Operations, and the Vice President of Supply Chain. He was named the President of the North American Long Steel business division in April 2014, and in 2015 was promoted to Executive Vice President of North America BO and assigned member of the Gerdau Executive Committee.

**Corporate Structure:** Gerdau's corporate structure evolved to help the business by adding value in three ways: being guardian of the governance and brand, image and values; optimizing the efficiency of Gerdau's activities through optimization of scale and leveraging capabilities to deliver value above what individual businesses could generate autonomously. The Governance Guardian areas, such as Finance and Planning; Accounting; Com., Public Affairs, Gerdau Institute; Legal, Compliance, Corp. Security; Internal Audit and Environment, Health and Safety, protects shareholders' interests and manages relevant risks to long-term sustainability. The Scale Optimizer areas, such as Information Technology; Procurement; Shared Services and Gerdau International Trade, optimize resources and

achieve economies of scale. The Advantage Accelerators areas, such as Metallics; Marketing and Sales; Industrial, Engineering; People; Innovation and Management System, exploit Gerdau's differentiating capabilities in the Business Divisions.

All members of the Board of Directors and the Gerdau Executive Committee are elected for one-year terms, with re-election or re-appointment permitted. Members of the Board of Directors are appointed at the Ordinary General Meeting of Shareholders while members of the Gerdau Executive Committee are elected at meetings of the Board of Directors.

#### **Advisory Board**

At the Extraordinary and Ordinary General Meeting of April 29, 2015, given that the changes in the Company's Bylaws were approved, the Board of Directors installed and elected the Advisory Board ( Conselho Consultivo ) that began its duties on May 1, 2015.

The Advisory Board is responsible for issuing an opinion on the matters submitted thereto by the Board of Directors.

#### ***Chairman***

Jorge Gerdau Johannpeter

#### ***Members***

Germano Hugo Gerdau Johannpeter

Klaus Gerdau Johannpeter

Frederico Carlos Gerdau Johannpeter

Dr. Jorge Gerdau Johannpeter as Chairman, Dr. Germano Hugo Gerdau Johannpeter, Dr. Klaus Gerdau Johannpeter and Frederico Carlos Gerdau Johannpeter as Vice Presidents served as members of the Board of Directors of Gerdau until April 30, 2015.

#### **JORGE GERDAU JOHANNPETER (born in 1936)**

- Education: Degree in Law from the Universidade Federal do Rio Grande do Sul (UFRGS) in 1961.

- Experience: In May 2015, he became the Chairman of the Advisory Board of Gerdau S.A. and Metalúrgica Gerdau S.A. He has worked at Gerdau since 1954. He became an Executive Officer in 1971 and was appointed Board of Directors member in 1973. From 2002, after the implementation of new corporate governance structure, until December 2006, Jorge Johannpeter also held the position of Chief Executive Officer (CEO). From 1983 to April 2015 served as Chairman of the Board of Directors of Gerdau S.A. and its parent company

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Metalurgica Gerdau S.A., a listed company, Gerdau holding company whose core business is the manufacture of steel products in general; and Seiva S.A. - Florestas e Indústrias, company that is part of the same group of Gerdau S.A. and whose main activity is the participation in the capital of other companies. On January 2, 2007, Jorge Gerdau Johannpeter retired from the Gerdau Executive Committee and, since then and until April 2015, he served exclusively as a member of the Board of Directors as its President.

- Other activities: Member of the Economic and Social Development Council (CDES) of the Brazilian Government. Founded of the Gaucho Quality and Productivity Program (PGQP) and Brazil Competitive Movement (MBC). He is a member of the International Quality Academy, of the Brazilian Quality Academy and member of the board of the National Quality Foundation (FNQ). In the areas of education and culture, he leads the governing board of the All for Education Movement and of the Ibere Camargo Foundation, he is also member of the board of Volunteer Partners.

**FREDERICO CARLOS GERDAU JOHANNPETER (born in 1942)**

- Education: Degree in Business Administration from the Universidade Federal do Rio Grande do Sul (UFRGS) and has a master's degree in Business, Finance, Costs and Investments from the University of Cologne, Germany.

- Experience: In May 2015, he became a member of the Advisory Board of Gerdau S.A. and Metalurgica Gerdau S.A. He has worked at Gerdau since 1961. He became an Executive Officer in 1971, and from 1973 to 2002 served as a member of the Board of directors. In 2002, under the new corporate governance structure, he became Vice-Chairman of the Executive Committee of Gerdau S.A., a position he held until December 2006. From January 2007 until April 2015, he served as Vice Chairman of the Board of Directors of Gerdau S.A., its parent company Metalurgica Gerdau S.A. and Seiva S.A. - Florestas e Indústrias.

**GERMANO HUGO GERDAU JOHANNPETER (born in 1932)**

- Education: Degree in Business Administration from the Fundação Getúlio Vargas.

- Professional experience: In May 2015, he became a member of the Advisory Board of Gerdau S.A. and Metalúrgica Gerdau S.A. He has worked at Gerdau in since 1951. He became an Executive Officer in 1971, and from 1973 to 2015, he served as a member of the Board of Directors. From 2002 until April 2015, he served as Vice-Chairman of the Board of Directors of Gerdau S.A., Metalúrgica Gerdau S.A. and Seiva S.A. - Florestas e Indústrias.

**KLAUS GERDAU JOHANNPETER (born in 1935)**

- Education: Degree in Civil, Electrical and Mechanical Engineering for the Universidade Federal do Rio Grande do Sul (UFRGS) in 1958.

- Professional experience: In May 2015, he became a member of the Advisory Board of Gerdau S.A. and Metalúrgica Gerdau S.A. He has worked for Gerdau since 1954. He became an Executive Officer in 1971 and from 1973 to 2015, he served as a member of the Board of Directors. Until his retirement from the Executive Committee in 2007, he was the main coordinator of the technical development of Gerdau's industrial operations. From 2002 until April 2015, he served as Vice-Chairman of the Board of Directors of Gerdau S.A., Metalúrgica Gerdau S.A., and Seiva S.A. - Florestas e Indústrias. In addition, he has been the Chairman of the Gerdau Institute, the governing body of Gerdau's social projects, since it was founded in 2005.

#### **Board of Auditors**

Under Brazilian Corporate Law, the board of auditors ( Conselho Fiscal ) is a shareholder nominated audit board and an independent corporate body of the board of directors, management and the company's external auditors. The board of auditors has not typically been equivalent to or comparable with a U.S. audit committee; its primary responsibility has been to monitor management's activities, review the financial statements, and report its findings to the shareholders.

Pursuant to an exemption under Section 10A-3 of the SEC rules concerning the audit committees of listed companies, a foreign private issuer (such as the Company) doesn't need to have a separate audit committee composed of independent members if it has a Board of Auditors established and selected pursuant to its home country's legal or listing provisions expressly requiring or permitting such a board and if such a board meets certain requirements. Pursuant to this exemption, a board of auditors can exercise the required duties and responsibilities of an U.S. audit committee to the extent permissible under Brazilian Corporate Law. To comply with the SEC rules, the Board of Auditors must meet the following standards: it must be separate from the full board of directors, its members must not be elected by management, no executive officer may be a member, and Brazilian law must set forth standards for the independence of the members. In order to qualify for exemption, the Board of Auditors must, to the extent permitted by Brazilian law:

- be responsible for the appointment, retention, compensation and oversight of the external auditors (including the resolution of disagreements between management and the external auditors regarding financial reporting);

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- be responsible for establishing procedures for the receipt, retention and treatment of complaints regarding accounting, internal accounting controls or auditing matters, and procedures for the confidential, anonymous submission by employees of concerns regarding questionable accounting or auditing matters;
- have the authority to engage independent counsel and other advisors as deemed necessary, to carry out its duties; and
- receive appropriate funding from the Company for payment of compensation to the external auditors, for any advisors and ordinary administrative expenses.

As a foreign private issuer, the Company decided to modify its Board of Auditors to comply with the exemption requirements. Accordingly, the Ordinary General Meeting of Shareholders held on April 28, 2005, amended the Company's by-laws to modify the duties of the Board of Auditors and the Board of Directors, and, on the same date approved the delegation of certain additional responsibilities to the Board of Auditors. The Board of Auditors operates pursuant to a charter ( *regimento interno* ) that contemplates the activities described above to the extent permitted by Brazilian Law and is compliant with the requirements of the Sarbanes-Oxley Act, the pertinent regulations, and the requirements of the New York Stock Exchange and the Board of Auditors.

Because Brazilian Corporate Law does not permit the board of directors to delegate responsibility for the appointment, retention and compensation of the external auditors and does not provide the board or the board of auditors with the authority to resolve disagreements between management and the external auditors regarding financial reporting, the board of auditors cannot fulfill these functions. Therefore, in addition to its oversight responsibilities, the board of auditors may only make recommendations to the board of directors with respect to the appointment, retention and compensation of the external auditors. Likewise, the board of auditors may only make recommendations to management and the board with regard to the resolution of disagreements between management and the external auditors. This limited scope of authority is a key difference between the board of auditors and the customary authority of an audit committee as a full committee of the board of directors.

Under Brazilian Corporate Law, members of the board of auditors of a company are not allowed to be members of the board of directors, hold executive office, or be employed in any other position within that of the company or its subsidiaries or controlled companies. In addition, a member of the board of auditors cannot be spouse or relative of any member of the company's management. The Brazilian Corporate Law requires that members of the board of auditors receive a remuneration at least 10% of the average amount paid to each executive officer; and, also, that a board of auditors be composed of a minimum of three and a maximum of five members and their respective alternates.

As part of the adaptation of its Board of Auditors to the regulations, the Company has installed a permanent (standing) Board of Auditors currently composed of five members and their alternates who are elected at the Ordinary General Meeting of Shareholders with term of office to run until the next Ordinary General Meeting of Shareholders following their election, reelection being permitted. Under Brazilian Corporate Law, holders of Preferred Shares have the right to elect through a separate vote, one member of the board of auditors to represent their interests. Likewise, minority groups of shareholders with voting shares also have the right to elect one member of the board of auditors through a separate vote. However, irrespective of circumstances, the common shareholders have the right to elect the majority of the members of the board of auditors. Set forth below are the names, ages and positions of the members of the Company's Board of Auditors and their respective alternates, since April 29, 2015.

Name	Birthday	Member Position	Year First Elected
Bolívar Charneski	08/22/1950	Effective	2011
Geraldo Toffanello	10/12/1950	Effective	2014
Carlos Roberto Schröder	02/19/1940	Effective	2015
Hayton Jurema Da Rocha	26/02/1958	Effective	2016
Vanessa Claro Lopes	11/01/1976	Effective	2016
Domingos Matias Urroz Lopes	11/26/1937	Alternate	2015
Artur Cesar Brenner Peixoto	09/29/1942	Alternate	2014
Pedro Floriano Hoerde	07/16/1937	Alternate	2015
Nilo Jose Panazzolo	19/11/1955	Alternate	2016
Fernando Dal-Ri Murcia	16/07/1977	Alternate	2016

The Shareholder's Ordinary Meeting has determined that Bolívar Charneski is an audit committee financial expert within the meaning of the rules adopted by the SEC concerning the disclosure of financial experts. Each member of the Board of Auditors has acquired significant financial experience and exposure to accounting and financial issues.



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**BOLÍVAR CHARNESKI (born in 1950)**

- Education: Degree in Accounting in 1974 and participant in a professional exchange program in Price Waterhouse, in Atlanta, GA USA.
- Professional experience: Founder and partner since 1988 of Charneski Contadores Associados (up to 2009, Charneski Auditores & Consultores), a company settled in Porto Alegre (RS), where he was technically responsible for independent auditing and consulting services. Since 2009 dedicates to advising companies and organizations in the fields of Governance, Boards, Management, Accounting and Tax. Fiscal Council member (assigned as Financial Expert for SOX purposes) of Gerdau S.A. since 2011. Board member certified by Instituto IBGC Instituto Brasileiro de Governança Corporativa (Brazilian Corporate Governance Institute), where he acted as a member of the Coordination Committee of the South Chapter. Advisory Board Member of family-owned companies. He was acting Partner (1st elected in Brazil) of Price Waterhouse (1971-1988), where he was also one of the founders of the Accounting and Audit Commission. Former director in various management terms of the IBRACON Instituto dos Auditores Independentes do Brasil (Brazilian Institute of Independent Auditors), having presided over the 6th Regional Section and serving twice as Director of IBRACON in the national level. Fiscal Council member of Grendene SA from 2011 to 2013. Fiscal Council member of Forjas Taurus S.A. from 1998 to 2007. Author of articles about business and economic scenarios, corporate governance, management, accounting and tax.

**GERALDO TOFFANELLO (born in 1950)**

- Education: Degree in accounting from Faculdade Porto-Alegrense de Ciências Contábeis e Administrativas and Postgraduate education in Accounting from the Universidade Federal do Rio Grande do Sul (UFRGS).
- Experience: He started his career at Gerdau in 1970, as tax bookkeeping assistant, promoted later to manager of the Tax Accounting area. He also served as manager of Accounting and Bookkeeping in Sapucaia do Sul. In 1980, he was transferred to Gerdau Açonorte, as the Accountant responsible for the northeast region companies, being promoted to Accounting Manager of this regional office in 1981. In 1983, he returned to Gerdau in Porto Alegre/RS to work at the Accounting department and also at the holding company. In 1984, he was promoted to General Manager of Accounting and Internal Audit, serving in the corporate areas of these two processes. In 1988, he was promoted to Accounting Director and later served as Accounting Director a position he held until retiring in 2012. In 2013, he became a Fiscal Council member of Dimed S.A., member of the Board of Directors of Puras FO and Founding Partner of Empresa Luzes do Mundo Ltda.

**CARLOS ROBERTO SCHRODER (born in 1940)**

- Education: Degree in Accounting from the Universidade Federal do Rio Grande do Sul (UFRGS) in 1968.

• Experience: He worked in the following companies: (i) Petróleo Brasileiro S.A. - PETROBRAS, a listed company whose main activity is the prospecting, extraction, refining, processing, trade and transport of oil from wells, shale and other rocks, its derivatives, natural gas and other fluid hydrocarbons, as Head of Cost Sector from 1966 to 1971; (ii) Siderúrgica Riograndense S.A., from 1971 to 1973 as Assistant at Cost Department, and from 1973 to 1976 as Chief Accountant; (Iii) Metalurgica Gerdau S.A., from 1973 to 1976 as Chief Accountant; (Iv) Companhia Siderurgica da Guanabara - Cosigua, former name of Gerdau S.A. from 1977 to 1981 as Accounting Manager; (v) Gerdau Group and Siderúrgica Laisa S.A. - Uruguay from 1981 to 1983 as Accounting Manager; (vi) Siderúrgica Riograndense S.A. and Siderurgica Guaira S.A., from 1983 to 1989 as Administrative and Accounting Director; (vii) Usina Siderúrgica da Bahia S.A. - Usiba, 1989-1996, as Executive Director; (viii) Siderrúrgica Açonorte S.A., Usina Siderúrgica da Bahia S.A. - Usiba and Usina Siderúrgica Cearense S.A., from 1996 to 1998, as Executive Director.

**HAYTON JUREMA DA ROCHA (born in 1958 )**

- Education: B.A. in Economics (Universidade Federal de Alagoas), post graduate degree in Business Management (Universidade Federal de Pernambuco) and specialization in Marketing (IAG - Business School of PUC Rio de Janeiro).

- Experience: Has been working at Banco do Brasil since 1977. In the past five years, was President of CASSI - Assistance Fund of the Bank of Brazil Employees, the largest operator of health plans in the country, in the self-management mode, a position he held until January 2012; and Director of Marketing and Communications until November 2014. He is currently Special Advisor to the President. His main experience in statutory boards includes, in recent years, having been a member of the Supervisory Board of CELESC and WEG S.A., and since May 2016 member of the Fiscal Council of Gerdau S.A.

**VANESSA CLARO LOPES (born in 1976)**

- Education: Degree in Accounting from Universidade Federal Fluminense (UFF) and in System Analysis from FATEC, with specialization in Business Management from EAESP FGV and in Computer Networks. Currently a Master's Degree Candidate in Management Systems at UFF.

- Experience: She was previously Head of Corporate Internal Audit at TAM S.A. and Head of Internal Audit at Globex Utilidades S.A. Began her career at PwC Brazil in System Audit Team, having been responsible for the creation of the Group of Consultants for Telecom Network Services. She was responsible for the audit teams at Telefonica Group. Vanessa was professor of IT Systems and Information Security at Faculdade Objetivo. She is currently (i) Chairman of the Fiscal Council of Via Varejo S.A., (ii) Coordinator of the Audit Committee of Tegma Logística S.A., (iii) member of the Fiscal Council of Vanguarda Agro S.A. and (iv) member of the Fiscal Council of Gerdau S.A.

Table of Contents**D. EMPLOYEES**

<b>Direct</b>	<b>Brasil</b>	<b>Overseas</b>	<b>Total</b>
2011	23.516	19.304	42.820
2012	22.658	19.211	41.869
2013	22.278	19.337	41.615
2014	20.169	19.892	40.061
2015	16.495	18.650	35.145
2016	14.960	15.054	30.014

<b>Outsourced*</b>	<b>Brasil</b>	<b>Overseas</b>	<b>Total</b>
2011	7.734	3.799	11.186
2012	8.147	3.303	11.450
2013	7.637	4.128	11.765
2014	6.583	4.201	10.784
2015	5.406	3.461	8.867
2016	4.992	2.970	7.962

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\*Outsourced corresponds to employees of third-party service providers of Gerdau which provide, as employees of those providers, services directly to Gerdau in areas that are not the core business of Gerdau.

As of December 31, 2016, the Company employed 30.014 at its industrial units, excluding jointly controlled entities, 50% of this total is based in Brazil and the remainder in South America, North America and India, which have 4,690, 9,536, and 828 employees, respectively.

As labor unions in Brazil and other Countries in Latin America and Europe are organized on a regional basis, the Company has no nationwide agreements with its employees. 32% of Gerdau employees are unionized.

Gerdau maintains good working conditions at its mills and consequently has what it believes to be a comparatively low employee turnover rate.

Gerdau maintain good relations with employees. To maintain such good working environment, the company provides development and training opportunities, team-building programs and transparent management system. Compensation programs are designed to meet employee's financial interests with those of Gerdau shareholders.

**E. STOCK OWNERSHIP**

The following table shows the individual holdings of shares in preferred and common stock in Gerdau S.A. for each director and executive officer as of January 31, 2017.

Shareholder	Common Shares		Preferred Shares	
	(with voting rights)	%	(with restricted voting rights)	%
Claudio Johannpeter	38,435	0.01	158,858	0.01
André Bier Gerdau Johannpeter	23,885	0.00	348,395	0.03
Richard Chagas Gerdau Johannpeter			1,342	0.00
Expedito Luz			11,883	0.00
Affonso Celso Patore			20,948	0.00
Fernando Fontes Iunes			324	0.00
Guilherme Chagas Gerdau Johannpeter			97,246	0.01
Harley Lorentz Scardoelli			6,571	0.00
Francisco Deppermann Fortes			40,841	0.00
<b>TOTAL</b>	<b>62,320</b>	<b>0.01</b>	<b>686,408</b>	<b>0.60</b>

The Company has different employee stock option plans for each of its subsidiaries. See NOTE 25 Long-Term Incentive Plans in its consolidated financial statements included herein for further details.

The following table shows the remaining vested options, the restricted shares resulted from the stock option conversion and 2013, 2014, 2015 and 2016 awards (all Gerdau S.A. preferred shares) to each director and executive officer until January 31, 2017.

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Names	Stock Options				Restricted Share Units				Performance Share Units			
	Grant	Exercised	Cancelled	Balance	Grant	Exercised	Cancelled	Balance	Grant	Exercised	Cancelled	Balance
Jorge Gerdau Johannpeter	320.386	0	320.386	0	634.776	634.776	0	0	463.850	335.814	128.036	0
Germano H G Johannpeter	191.881	0	191.881	0	544.672	544.672	0	0	226.236	163.847	62.389	0
Klaus Gerdau Johannpeter	191.881	0	191.881	0	544.672	544.672	0	0	226.236	163.847	62.389	0
Frederico C G Johannpeter	281.485	0	281.485	0	607.488	607.488	0	0	391.180	283.216	107.964	0
Claudio Johannpeter	185.976	0	88.735	97.241	798.234	116.284	0	681.950	1.015.581	0	0	1.015.581
Affonso Celso Pastore	28.929	0	10.074	18.855	81.506	30.437	0	51.069	48.049	0	653	47.396
Andre Bier Johannpeter	231.158	0	93.065	138.093	943.026	126.375	0	816.651	1.240.671	0	0	1.240.671
Manoel Vitor de M Filho	43.555	0	43.555	0	174.187	174.187	0	0	214.971	33.024	181.947	0
Expedito Luz	41.319	0	11.934	29.385	94.876	25.957	0	68.919	56.229	0	0	56.229
Francisco D Fortes	33.027	0	7.569	25.458	133.652	23.309	0	110.343	165.810	0	0	165.810
Guilherme Gerdau Johannpeter	109.759	12.716	19.478	77.565	192.985	41.287	0	151.698	227.761	0	0	227.761
Harley Lorentz Scardoelli	16.987	0	5.405	11.582	68.645	8.659	0	59.986	88.138	0	0	88.138
Fernando Fontes Iunes	0	0	0	0	23.219	0	0	23.219	0	0	0	0
Richard Gerdau Johannpeter	0	0	0	0	26.579	0	0	26.579	0	0	0	0
<b>Total</b>	<b>1.676.343</b>	<b>12.716</b>	<b>1.265.448</b>	<b>398.179</b>	<b>4.868.517</b>	<b>2.878.104</b>	<b>0</b>	<b>1.990.413</b>	<b>4.364.712</b>	<b>979.748</b>	<b>543.378</b>	<b>2.841.586</b>

Note 1: Vice President Manoel Vitor de Mendonça Filho resigned as administrator on November 30, 2016. On December 31, 2016, upon termination of his employment contract, he ceased to be a guest member of the Executive Committee Gerdau.

The information of exercise price, grant date, vesting date and expiration date are available in the stock option table in the item 6.B Compensation.

The Extraordinary Shareholders Meeting held on September 19, 2013 approved the amendment to the Preferred Stock Option Plan, allowing participants to convert their Stock Options already granted but not yet exercised into Restricted Shares in which restriction in this case is the vesting period. Said conversion was based on the fair value of the option calculated by an independent consulting firm. Bloomberg was contracted to perform the equivalence calculation.

**ITEM 7.****MAJOR SHAREHOLDERS AND RELATED-PARTY TRANSACTIONS****A. MAJOR SHAREHOLDERS**

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As of January 31, 2017, Gerdau S.A. had 571,929,945 common shares and 1,135,833,935 non-voting preferred shares outstanding (excluding treasury stock). Of the two classes of stock traded in the market, only the common stock carries voting rights. Under the terms of the Company's bylaws, however, specific rights are assured to the non-voting preferred stock. See the bylaws of Gerdau S.A. attached to this Annual Report.

The table below presents certain information as of January 31, 2017, regarding (i) any person known to the Company as the owner of more than 5% of Gerdau S.A.'s outstanding common stock, (ii) any person known to the Company as the owner of more than 5% of Gerdau S.A.'s outstanding preferred stock, and (iii) the total amount of the common and preferred stock owned by the members of the board of directors and executive officers of the Gerdau S.A. as a group.

Shareholder	Common Shares	%	Preferred Shares	%
Metalúrgica Gerdau S.A.	449,712,654	78.40	202,806,575	17.70
Banco BTG Pactual S.A.	34,209,522	5.96		
Members of the board of directors and executive officers as a group (9 members)	62,320	0.01	686,408	0.60

Metalúrgica Gerdau S.A. is a holding company that directly and indirectly controls all Gerdau companies in Brazil and abroad. Metalúrgica Gerdau and its subsidiaries hold 78.40% of the voting capital stock of Gerdau S.A. and thus have the ability to control the Company's Board of Directors as well as its management and operations.

On January 31, 2017 there were 322,372,678 ADRs outstanding, representing 28.1% of Gerdau S.A. preferred shares and the number of record holders were 37.

### **B. RELATED-PARTY TRANSACTIONS**

The Company's transactions with related parties consist of (i) loans, (ii) commercial operations and (iii) the payment of guarantees to some controlling companies. See Note 18 to the Consolidated Financial Statements (Related Party Transactions) for further information.

(i) Gerdau S.A. maintains loans with some of its subsidiaries and other affiliates through loan contracts, which are repaid under conditions similar to those prevailing in the open market. Loan agreements between Brazilian companies are adjusted by the

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monthly variation in the CDI (interbank deposit rate). The agreements with foreign companies are adjusted by contracted charges plus foreign exchange variation, when applicable.

(ii) Commercial operations between Gerda S.A. and its subsidiaries or related parties basically consist of transactions involving the purchase and sale of inputs and products. These transactions are carried out under the terms and conditions established in the contract between the parties and under prevailing market conditions. The commercial operations include payments relating to loan guarantees.

(iii) The Company holds marketable securities in investment funds managed by a related-party bank. These marketable securities comprise time deposits and debentures issued by major Brazilian banks and treasury bills issued by the Brazilian government.

(iv) The Company pays a fee of 0.95% per year for debt guaranteed by a controlling related-party company.

The Company's transactions with related parties are presented below:

Item	INTRA-GROUP AGREEMENTS Purpose of the Agreement	Relationship with issuer	Original Amount		Maturity or Deadline	Termination or extinction conditions	Outstanding Amount	
			In thousands of R\$	Date			December 31, 2016	Largest amount during the period covered
1	Guarantee granted to Gerda S.A.P.I. de C.V., co-borrower of a global credit line, to finance working capital, in the amount of up to US\$20,000,000.00, equivalent in MXN.	Jointly-controlled entity	68,708	12/06/2016	Jan-17	Settlement of the agreement	65,182	65,182
2	Guarantee granted to Gerda S.A.P.I. de C.V. in financing with the Banco Latinoamericano e Comércio Exterior in the amount of up to US\$40,000,000.00 at the date of the agreement.	Jointly-controlled entity	129,724	09/02/2016	Mar-17	Settlement of the agreement	8,206	8,812
3	Guarantee granted to Gerda S.A.P.I. de C.V., co-borrower of a global credit line, to finance working capital, in the amount of up to US\$86,000,000.00, equivalent in MXN.	Jointly-controlled entity	291,772	11/23/2016	May-17	Settlement of the agreement	280,283	292,116
4	Guarantee granted to Gerda Aços Longos S.A. in a purchase and sale agreement with Duke Energy International, Geração Parapanema S.A., in the current amount of R\$39,485,940.00.	Subsidiary	39,485	05/18/2016	May-17	Settlement of the agreement	39,486	39,486
5	Guarantee granted to Siderúrgica Zuliana, C.A., in financing from Citibank up to US\$20,000,000.00 at the date of the agreement.	Subsidiary	66,680	12/13/2016	Jun-17	Settlement of the agreement	65,182	65,182
6	Guarantee granted to Diaco S.A. in financing from Banco BBVA	Subsidiary	123,016	05/03/2015	Jun-17	Settlement of the agreement	11,086	19,211

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	Colombia in the amount of up to US\$40,000,000.00 at the date of the agreement. No remuneration.							
7	The Company is the guarantor of subsidiary Sipar Aceros S.A., in a financing granted by Citibank in the amount of up to ARS 50,000,000.00 equivalent to US\$6,2 million.	Subsidiary	15,154	06/27/2014	Jun-17	Settlement of the agreement	2,336	9,734
8	Guarantee granted to Gerdau Corsa S.A.P.I. de C.V. in financing from Bank of America in the amount of up to US\$30,000,000.00 at the date of the agreement.	Jointly-controlled entity	97,968	07/15/2016	Jul-17	Settlement of the agreement	83,319	92,444
9	The Company is the guarantor of subsidiary Gerdau Steel India Ltd. in a loan with HSBC in the amount of US\$25 million.	Subsidiary	58,565	12/19/2013	Aug-17	Settlement of the agreement	81,478	101,070
10	Co-guarantee for GTL Trade Finance Inc. in the 10-year Bond issued in October/2007 in an amount of up to US\$1,5 billion. No remuneration.	Subsidiary	1,744,000	10/22/2007	Oct-17	Settlement of the agreement	2,577,296	3,251,220
11	Guarantee granted to Diaco S.A., co-borrower of global credit line, to finance working capital, in the amount of up to US\$80,000,000.00.	Subsidiary	259,592	11/04/2016	Nov-17	Settlement of the agreement	260,728	271,736
12	Guarantee granted to Comercial Gerdau Bolivia, co-borrower of a global credit line, to finance working capital, in the amount of up to US\$4,000,000.00.	Subsidiary	12,980	11/04/2016	Nov-17	Settlement of the agreement	13,036	13,587
13	Guarantee granted to Gerdau Aços Longos SA in an agreement to purchase and sell electricity with Companhia de São Paulo, CESP, in the current amount of R\$7,007,262.85.	Subsidiary	7,007	11/30/2016	Dec-17	Settlement of the agreement	7,007	7,007
14	Guarantee granted to Gerdau Aços Longos S.A. in financing from the BNDES in the amount of R\$105,178,320.00 at the date of the agreement.	Subsidiary	105,178	07/25/2016	Jul-18	Settlement of the agreement	107,481	107,481
15	Guarantee granted to Gerdau Açominas S.A. in financing from the BNDES in the amount of up to R\$200,755,325.08 at the date of the agreement.	Subsidiary	200,755	07/13/2016	Jul-18	Settlement of the agreement	203,245	203,245
16	Guarantee granted to Gerdau Aços Longos S.A. in a financing from the BNDES in the amount of R\$146,432,734.17 at the date of the agreement.	Subsidiary	146,433	06/29/2016	Jul-18	Settlement of the agreement	150,220	150,220
17	Guarantee for company Diaco S.A., in a loan with Citibank in the amount of up to US\$40 million on the agreement's date.	Subsidiary	137,700	08/03/2015	Aug-18	Settlement of the agreement	125,424	142,020
18	Bank guarantee granted to Banco de la Nación regarding the financing of Sipar Aceros SA's Melt Shop in the amount of US\$105,000,000.00.	Subsidiary	229,808	10/04/2013	Sep-18	Settlement of the agreement	342,206	424,494
19	Guarantee granted to Gerdau Steel India Ltd., in financing to the Bank of Tokyo in the amount of up to INR 2,505,600,000.00, equivalent to US\$40,000,000.00 at the date of the agreement.	Subsidiary	92,996	09/06/2013	Sep-18	Settlement of the agreement	130,364	161,712
20	The Company is the guarantor of subsidiary Gerdau Steel India Ltd. in a loan with Citibank in the amount of up to INR	Subsidiary	143,910	02/03/2015	Feb-19	Settlement of the agreement	142,743	178,806



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3,000,000,000.00, equivalent to US\$50 million on the agreement's date.

21	Guarantee granted to Gerdau Corsa S.A.P.I. de C.V., obtained a financing from Sumitomo in the amount of up to MXN 990,750,000,000.00, equivalent to US\$75,000,000.00 at the date of the agreement.	Jointly-controlled entity	176,145	03/13/2014	Mar-19	Settlement of the agreement	155,752	217,060
22	Guarantee granted to the company Sipar Aceros S.A., in financing with BBVA, in the amount of US\$34,000,000.00 equivalent in ARS.	Subsidiary	83,241	10/30/2014	Sep-19	Settlement of the agreement	29,840	82,704
23	Co-guarantee for Gerdau Holdings Inc. in the 10-year Bond issued in November/2009 in an amount of up to US\$1.25 billion. No remuneration.	Subsidiary	2,188,125	11/24/2009	Jan-20	Settlement of the agreement	1,801,389	2,281,255
24	Guarantee for company Gerdau Açominas S.A. in a loan with BNDES in the amount of up to R\$776,616,380.00 on the agreement's date.	Subsidiary	776,616	12/04/2012	Jan-20	Settlement of the agreement	303,859	450,915
25	Guarantee for company Gerdau Açominas S.A. in a loan with NCE Banco do Brasil in the amount of up to R\$430 million on the agreement's date.	Subsidiary	430,000	03/19/2014	Feb-20	Settlement of the agreement	387,000	430,000
26	Guarantee for company Gerdau Aços Especiais S.A. in a loan with NCE Banco do Brasil in the amount of up to R\$70 million on the agreement's date.	Subsidiary	70,000	03/19/2014	Feb-20	Settlement of the agreement	63,000	70,000
27	The Company is the guarantor of subsidiary Gerdau Açominas S.A. in a loan with Banco do Brasil in the amount of R\$660 million.	Subsidiary	660,000	09/24/2013	Aug-20	Settlement of the agreement	585,000	610,000
28	The Company is the guarantor of subsidiary Gerdau Açominas S.A. in a financing working capital with Citibank in the amount of R\$656,200,000.00 for a period of 5 years.	Subsidiary	656,200	10/30/2015	Oct-20	Settlement of the agreement	656,200	656,200
29	Guarantee for company Gerdau Corsa S.A.P.I. de C.V. in a loan with BBVA in the amount of US\$150 million equivalent to MXN.	Jointly-controlled entity	580,665	12/14/2015	Dec-20	Settlement of the agreement	393,015	547,716
30	The Company is the guarantor of subsidiary Sipar Aceros S.A., in a financing granted by Banco Patagônia in the amount of US\$21,023,641.08 equivalent in ARS.	Subsidiary	81,575	10/30/2015	Dec-20	Settlement of the agreement	19,304	51,392

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Item	INTRA-GROUP AGREEMENTS Purpose of the Agreement	Relationship with issuer	Original Amount		Maturity or Deadline	Termination or extinction conditions	Outstanding Amount	
			In thousands of R\$	Date			December 31, 2016	Largest amount during the period covered
31	Co-guarantee for Gerdau Trade Inc. in the 10-year Bond issued in 2010 in an amount of up to US\$1,25 billion	Subsidiary	2,117,750	10/01/2010	Jan-21	Settlement of the agreement	3,345,222	4,598,180
32	Guarantee for Gerdau Açominas S.A. in financings and the opening of a letter of credit for expansion projects and the acquisition of equipment in an amount of up to US\$291,959 thousand. No remuneration.	Subsidiary	437,387	06/16/2011	Feb-21	Settlement of the agreement	491,901	711,846
33	Guarantee granted to the company Sipar Aceros S.A., in financing with BBVA, in the amount of US\$13,063,357.28 equivalent in ARS.	Subsidiary	42,335	09/21/2016	Sep-21	Settlement of the agreement	41,021	42,812
34	Co-guarantee granted to Gerdau Corsa S.A.P.I. de C.V., borrower of local credit line, in the amount of US\$330,000,000.00, equivalent in MXN.	Jointly-controlled entity	1,118,535	12/07/2016	Dec-21	Settlement of the agreement	1,075,503	1,075,503
35	Co-guarantee for Gerdau Trade Inc. in the 10-year Bond issued in April/2013 in an amount of up to US\$750,000,000.00.	Subsidiary	1,501,275	04/15/2013	Apr-23	Settlement of the agreement	1,832,625	2,423,796
36	Co-guarantee for GTL Trade Finance Inc. and Gerdau Holdings Inc. in the 10-year Bond issued in April/2014 in an amount of up to US\$1,165,629,000.00. No remuneration.	Subsidiary	2,606,346	04/10/2014	Apr-24	Settlement of the agreement	2,987,154	4,291,679
37	Gerdau S.A. usually trades its own debentures on behalf of Gerdau Aços Longos S.A.. These transactions are carried out at the present unit price of the paper, which pays the CDI variation.	Subsidiary			Aug-24	Maturity	52,064	398,365
38	Gerdau S.A. usually trades its own debentures on behalf of Gerdau Aços Especiais S.A.. These transactions are carried out at the present unit price of the paper, which pays the CDI variation.	Subsidiary			Aug-24	Maturity	229,804	235,174
39	Gerdau S.A. usually trades its own debentures on behalf of Gerdau Açominas S.A.. These transactions are carried out at the present unit price of the paper, which pays the CDI variation.	Subsidiary			Aug-24	Maturity	375,690	375,690
40	Guarantee granted to Gerdau Aços Longos S.A. in financing from the BNDES in the amount of up to R\$543,413,000.00 at the date of the agreement.	Subsidiary	543,413	07/08/2008	Oct-24	Settlement of the agreement	306,567	337,994
41	Gerdau S.A. usually trades its own debentures for the parent owners. These transactions are carried out at the present unit price of the paper, which pays the CDI variation.	Subsidiary			Nov-24	Maturity	33,437	87,730

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42	Guarantee for company Gerdau Aços Longos S.A. in a loan with BBRB Pró DF II.	Subsidiary	12,834	08/05/2009	Dec-30	Settlement of the agreement	12,216	12,216
43	Co-guarantee for Gerdau Ameristeel US Inc. in the 25-year Bond issued in October/2012 in an amount of US\$51 million.	Subsidiary	103,596	10/18/2012	Oct-37	Settlement of the agreement	166,214	206,183
44	Co-guarantee for GTL Trade Finance Inc. in the 30-years Bond issued in April/2014 in an amount of US\$500 million. No remuneration.	Subsidiary	1,118,000	04/16/2014	Apr-44	Settlement of the agreement	1,629,550	2,021,400
45	Guarantee for company Gerdau Steel India Ltd., with JPMorgan in a working capital loan in the amount of US\$25 million, equivalents to INR.	Subsidiary	56,065	11/04/2013	Undetermined	Settlement of the agreement	27,212	55,606
46	Guarantee granted to Gerdau Steel India with the BOFA to finance working capital in the amount of up to US\$15,000,000.00, equivalent to INR.	Subsidiary	32,732	10/11/2013	Undetermined	Settlement of the agreement	27,918	46,576
47	Guarantee received from the company Indac Ind. Adm. E Com. S.A. for debentures from the 7°, 8°, 9° and 11° issuances, with no restriction of amounts and dates. Remuneration rate of 0.95% on the due amount.	Parent company			Undetermined	Maturity	121,131	182,388
48	Gerdau S.A. has accounts receivable derived from sales to subsidiaries (Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A., Gerdau Açominas S.A., Sipar Aceros S.A., Gerdau Corsa S.A.P.I. and Villares Corporation of America) Sales in the period amounted to R\$6,982.	Subsidiaries			Undetermined	Maturity	19,134	45,181
49	Gerdau S.A. has accounts payable derived from purchases to subsidiaries (Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A.). Purchases in the period amounted R\$5,592.	Subsidiaries			Undetermined	Maturity	4,721	25,695
50	Current account (liability balance) with Gerdau Açominas S.A. Pays the monthly variation of the CDI.	Subsidiary		12/01/2014	Undetermined	No maturity	592	1,037
51	Current account (liability balance) with Gerdau Aços Especiais S.A. Pays the monthly variation of the CDI.	Subsidiary		12/01/2014	Undetermined	No maturity	4,988	7,068
52	Current account (liability balance) with Gerdau Trade Inc. Pays the contracted charges plus exchange variance.	Subsidiary		09/17/2010	Undetermined	No maturity	6,129,200	7,570,484
53	Current account (liability balance) with Gerdau Aços Longos S.A. Pays the monthly variation of the CDI.	Subsidiary		07/31/2005	Undetermined	No maturity	3,893	3,893
54	Renting agreement of commercial room of area of 840 m2 of building placed on Av. Farrapos, 1811 - Porto Alegre/RS, Lessor: Gerdau Aços Longos S.A. Lessee: Grupo Gerdau Empreendimentos Ltda: Amount per month R\$57 thousand.	Parent company	50	01/01/2013	Undetermined	Maturity	63	63

### **C. INTERESTS OF EXPERTS AND COUNSEL**

Not applicable.

**ITEM 8. FINANCIAL INFORMATION**

**A. CONSOLIDATED STATEMENTS AND OTHER FINANCIAL INFORMATION**

The Company's financial statements are included in Item 18.

**Legal Proceedings**

**General**

Like other Brazilian companies, Gerdau and its subsidiaries are party to proceedings with respect to tax, labor and civil matters, most of them arising in the regular course of business. Based on advice from legal counsel, management believes that the reserve for provisions is sufficient to meet probable and reasonably estimable losses in the event of unfavorable rulings, and that the ultimate resolution will not have a significant effect on its consolidated financial position of December 31, 2016.

The most significant legal and administrative disputes are detailed below. The amount disclosed for each dispute is as of December 31, unless otherwise stated. For further information on the reserve for contingencies, see Note 17 to the consolidated financial statements.

The following table summarizes the balances of provisions recorded for tax, civil and labor liabilities and related judicial deposits as of December 31, 2016, 2015 and 2014 (in thousands of reais):

Table of Contents**Claims**

	Reserve for Contingencies			Judicial Deposits		
	2016	2015	2014	2016	2015	2014
Tax	1,830	1,570	1,308	1,717	1,521	1,287
Labor	359	288	228	107	82	67
Other	51	47	40	38	100	78
Total	2,240	1,905	1,576	1,862	1,703	1,432

**Tax Provisions**

Part of these provisions correspond to tax matters. The most significant provisions of contingencies are related to:

- R\$ 68 million related to Tax on Circulation of Goods and Services ( *Imposto sobre a circulação de Mercadorias e Serviços* - ICMS), the majority of which is related to credit rights involving the Finance Secretariat and the State Courts.
- R\$ 37 million related to discussions on Social Contribution Tax on Profits ( *Contribuição Social sobre o Lucro* - CSLL ) and Income Tax ( *Imposto de Renda Pessoa Jurídica* - IRPJ ).
- R\$ 9 million related to the Emergency Capacity Charge ( *Encargo de Capacidade Emergencial* - ECE), and the Extraordinary Tariff Recomposition ( *Recomposição Tarifária Extraordinária* - RTE), which are charges included in the electric energy bills. The Supreme Court has upheld the constitutionality of the ECE, and for this reason, once the lawsuits are terminated, the judicial deposit made will be used to settle the provision. As to the RTE, the Company understands the charge as of a tax nature and, as such, incompatible with the National Tax System. For this reason the constitutionality of this charge is being challenged in court. The lawsuits are outstanding before the First and Second Instances of the Federal Justice. The Company has made a full deposit in court for the amount of the disputed charge.
- R\$ 1.679 million related to (i) compensation of Contribution to the Social Integration Plan ( *Contribuição ao Programa de Integração Social* - PIS) and Social Security Financing Contribution ( *Contribuição para o Financiamento da Seguridade Social* - COFINS) credits, (ii) taxation of those Contributions over income in excess of sales, and (iii) exclusion of the Tax on Circulation of Goods and Services ( *Imposto sobre a circulação de Mercadorias e Serviços* - ICMS) from the basis of calculation of the Contributions.

- R\$ 37 million related to other taxes, discussed in cases, for which the probability of loss is more likely than not.

**Considering the opinion of our legal advisors and the assessment by management, the likelihood of loss in connection with the lawsuits and proceedings listed below is deemed possible (but not likely), and, according to the accounting principles currently in force, no accounting reserves were made in connection with said proceedings.**

- The Company and its subsidiaries, Gerdau Aços Longos S.A. and Gerdau Açominas S.A. are parties in legal proceedings related to Tax on Circulation of Goods and Services ( *Imposto sobre a circulação de Mercadorias e Serviços* - ICMS) state VAT discussions, which essentially relate to tax credit and rate differences, and aggregately amount to R\$ 1,832 million.

- The Company and its subsidiaries, Gerdau Açominas S.A.; Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A., are part in discussions related to other taxes for which no reserve for contingency was established, as the probability of loss is less likely than not. The total amount involved is R\$ 691 million.

- Subsidiary Gerdau Aços Longos S.A. is a party to an administrative proceeding relating to Withholding Income Tax, in the amount of R\$117 million, assessed on the remittance abroad of interest charged on export financings under Export Prepayment or Export Advance Agreements. The Company submitted an administrative claim challenging the tax assessment on January 13, 2017, the judgment of which is currently pending before the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

- Subsidiaries Gerdau Internacional Empreendimentos Ltda. and Gerdau Aços Especiais S.A., are parties to administrative and judicial proceedings relating to IRPJ Corporate Income Tax and CSLL Social Contribution Tax, in the current amount of R\$ 1,410 million. Said proceedings relate to profits generated abroad, of which (i) R\$ 1,247 million correspond to two proceedings involving Gerdau Internacional Empreendimentos Ltda., of which (i.a.) R\$ 348 million relate to a voluntary appeal which was partially granted in the lower tribunal of the Brazilian Board of Tax Appeals (Conselho Administrativo de Recursos Fiscais CARF), administrative

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body of the Ministry of Finance of Brazil), and is subject to special appeals currently pending in CARF's superior tribunal, and (i.b) R\$ 900 million relate to a proceeding that is no longer subject to appeal in CARF and was referred for judicial collection, which collection is being challenged in the competent judicial lower court; and (ii) R\$ 162 million correspond to a proceeding involving Gerdau Aços Especiais S.A., whose voluntary appeal in CARF's lower tribunal was dismissed, and currently awaits the publication of judgment for the lodging of an appeal.

- Subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., are parties to administrative proceedings relating to the disallowance of the deductibility of goodwill generated in accordance with Article 7 and 8 of Law 9,532/97 as a result of a corporate restructuring carried out in 2004/2005 from the tax base of the Corporate Income tax - IRPJ and Social Contribution on Net Income - CSLL. The total updated amount of the proceedings is R\$ 5,089 million, of which (i) R\$ 3,913 million correspond to four proceedings involving subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., for which administrative discussions already ended and are currently in the administrative collection stage; and in connection with Gerdau Aços Longos S.A., the Company obtained injunctive relief to permit it to offer a judicial guarantee using a liability insurance policy in the amount of R\$ 2,806 million; (ii) R\$ 505 million correspond to two proceedings involving Gerdau Aços Longos S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; (iii) R\$ 115 million correspond to a proceeding involving the subsidiary Gerdau Aços Especiais S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; and (iv) R\$ 556 million correspond to one proceeding involving the subsidiary Gerdau Aços Longos S.A., the challenge to which was filed by the Company on January 13, 2017 and is currently pending judgment by the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

Some of the decisions obtained at the CARF related to those proceedings along with other matters involving the Company included in the scope of the so-called Operation Zelotes ( Operation ) are being investigated by Brazilian federal authorities including the Judiciary Branch, with the purpose of verifying the occurrence or not of alleged illegal acts.

Considering the involvement of Gerdau's name in press reports concerning the Operation, the Board of Directors decided to engage outside counsel, which would report to a Special Committee of the Board, to conduct an investigation to determine, among other things: (i) whether, in light of current knowledge, proper protocol was followed in the relationship of the Company with governmental authorities, including CARF, and in the hiring of firms representing the Company in cases before CARF; (ii) whether such firms have remained within the scope of their work/hiring; (iii) whether the engagement terms for such firms included clauses intended to prevent activity that violates ethical codes or laws currently in force; (iv) whether the engagement terms for such firms included the establishment of sanctions for any violations (whether contractual breaches or otherwise); and (v) if there is any evidence of fraud, deceit, bad faith, or any expression of an intent to commit an illegal act on the part of directors and/or officers of the Company in the relationship of the Company with governmental authorities, including CARF, in the negotiation, signing or carrying out of the aforementioned contracts ( Internal Investigation ).

The Internal Investigation is ongoing, and the Company as of the date of the approval of the Company's Financial Statements believes it is not possible to predict either the duration or the outcome of the Operation or of the Internal Investigation. Additionally, the Company believes that currently there is not enough information to determine whether a provision for losses is required or to disclose any contingency.

The Company's legal tax advisors have confirmed that the procedures adopted by the Company with respect to the tax treatment of profits abroad and the deductibility of goodwill, which generated the above mentioned proceedings, were strictly legal, and, therefore, the likelihood of loss

with respect to said proceedings is possible (but not likely).

#### **Labor Provisions**

The Company is also defending labor proceedings, for which there is a provision as of December 31, 2016 of R\$ 359 million. None of these lawsuits refers to individually significant amounts, and the lawsuits mainly involve claims due to overtime, hazardous and risk additional, among others. The balance in judicial deposits relate to labor provisions as at December 31, 2016, totaling R\$ 107 million.

#### **Other Provisions**

The Company is also defending civil proceedings related to other provisions arising from the normal course of its operations. Such provisions for these claims amount as of December 31, 2016 to R\$ 51 million. On the same date, judicial deposits related to these provisions amount to R\$ 38 million. Other contingent liabilities for which chances of loss are not more likely than not, involving uncertainties as to their occurrence (and therefore, not included in the provision for contingencies), are comprised of:



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***Antitrust Proceedings***

A lawsuit arising from the request by two civil construction unions in the state of São Paulo alleging that Gerdau S.A. and other long steel producers in Brazil share customers, thus, violating the antitrust legislation. After investigations carried out by the Economic Law Department (SDE), the final opinion was that a cartel exists. The lawsuit was therefore forwarded to the Administrative Council for Economic Defense (CADE) for judgment, which resulted in a fine to the Company and other long steel producers an amount equivalent to 7% of gross revenues in the year before the Administrative Proceeding was commenced, excluding taxes (fine of R\$ 245,070, updated by the judicial accounting on August 01, 2013 to R\$ 417,820)

Two lawsuits challenge the investigation conducted by the Competition Defense System and its merits judgment, whose grounds are procedural irregularities, especially the production of evidence, based on an economic study, to prove the lack of a cartel. The suspension of the effects of CADE's decision was granted by the Court, upon offer of bank guarantee letter. Sentences were handed down for the dismissal of the actions and both are found in recusal degree.

The Company denies having been engaged in any type of anti-competitive conduct and believes based on information available, including the opinion of its legal counsel, that it is possible that the decision will be reverted.

***Other Civil Litigation***

The Company is involved as a defendant, either directly or through its affiliates, in other disputes for which chances of loss are not more likely than not. The aggregate amount involved in such disputes is R\$ 193.498 million.

***Securities Class Action***

On May 26, 2016, a securities class action complaint was filed in the United States District Court for the Southern District of New York against Gerdau and certain executives and former executives of the Company by purchasers of American Depositary Receipts (ADRs) of the Company that trade on the New York Stock Exchange. On August 9, 2016, the court appointed the Policemen's Annuity and Benefit Fund of Chicago as lead plaintiff. On October 31, 2016, the lead plaintiff filed an amended complaint under Sections 10(b) and 20(a) of the Securities Exchange Act of 1934 on behalf of a purported class of purchasers of Gerdau ADRs between April 23, 2012 and May 16, 2016. Among other things, the amended complaint alleges that the Company and certain executives engaged in a bribery scheme involving members of the Brazilian Board of Tax Appeals (CARF), which purportedly resulted in the nonpayment of approximately US\$ 429 million in taxes and purportedly resulted in defendants' statements in Gerdau's securities filings about Gerdau's business, operations, and prospects being false and misleading and/or lacking a reasonable basis. The amended complaint includes alleged claims pertaining to the transaction relating to the acquisition of equity interests described in note (c) below. On January 17, 2017, the Company filed a motion to dismiss. The plaintiffs have not specified an amount of alleged damages in the action. For such reason, and because the action is still in its early stages, the Company is unable to reasonably estimate the possibility of loss and the amount of potential losses arising from the litigation.

**Administrative proceeding Brazilian Securities Commission (CVM)**

On July 14, 2015, the Company acquired non-controlling interests in the following companies: Gerdau Aços Longos S.A. (4.77%), Gerdau Açominas S.A. (3.50%), Gerdau Aços Especiais S.A. (2.39%) and Gerdau América Latina Participações S.A. (4.90%), having as counterparty Itaú Unibanco S.A. and ArcelorMittal Netherlands BV. This transaction was approved by the Board of Directors of Gerdau S.A. by unanimous vote of the directors on July 13, 2015, based on the market opportunity and the analysis that the prices were appropriate considering: economic evaluations conducted by independent report, the financial instruments used, the payment terms, capturing value through a more concentrated cash flow and long-term vision for the Company. The Company, in compliance with CVM requests for clarification on the acquisition, disclosed that the decision to its acquisition had exclusively business merit and was duly considered and unanimously approved by the Board of Directors. The terms and conditions for the acquisition considered long-term market prospects. On October 21, 2016, Metalúrgica Gerdau S.A. and certain directors and former directors of Gerdau S.A. filed a defense in the administrative proceeding brought by CVM on the acquisition of non-controlling interests in the subsidiaries, in the sense that the operation was businesslike justified, as above stated. There is no estimate for a final decision of the matter. Metalúrgica Gerdau S.A. believes that, currently, there is not enough information to disclose or determine if a provision for losses is required.

**No Material Effect**

Management believes that the probability of losses as a consequence of other contingencies is not more likely than not. There can, however, be no assurance that a final judicial decision will be favorable to us in any of these or other proceedings, and that were

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they to arise, they would not have a materially adverse effect on the consolidated financial position of the Company, its consolidated results of operations or its future cash flows.

**Dividend Distribution Policy**

Brazilian Corporate Law generally requires the by-laws of each Brazilian corporation to specify a minimum percentage of the profits for each fiscal year that must be distributed to shareholders as dividends. The law requires a minimum payout of 25% of adjusted net income. Under the Company's bylaws, this percentage has been fixed at no less than 30% of the adjusted net income (according the section 19 of the Company's bylaws) for distribution for each fiscal year.

Dividends for a given fiscal year are payable from (i) retained earnings from prior periods and (ii) after-tax income for the same period, after the allocation of income to the legal reserve and to other reserves ( Adjusted Net Income ). In order to convert the dividends paid by the Company from *reais* into U.S. dollars, the institution providing the Company with custodial services ( Custodian ) will use the relevant commercial market exchange rate on the date that these dividends are made available to shareholders in Brazil. Under Brazilian Corporate Law, a Brazilian company is required to maintain a legal reserve, to which it must allocate 5% of net income determined in accordance with the Law for each fiscal year until such reserve reaches an amount equal to 20% of the company's paid-in capital. On December 31, 2016, in accordance with Brazilian GAAP, Gerdau S.A.'s legal reserve amounted to R\$ 628.2 million or 3.3 % of total paid-in capital of R\$ 19,249.1 million.

According to Law 9,457, holders of Preferred Shares in a Brazilian corporation were entitled to dividends at least 10% greater than the dividends paid on Common Shares, unless one of three exceptions described in the Law holds. Gerdau S.A.'s executive directors presented a proposal at the 2002 shareholders' meeting, to grant both Common and Preferred shares 100% tag-along rights. Shareholders approved this measure and the right was extended to all shareholders, even though the new Brazilian Corporate Law only requires that such rights be granted to the common minority shareholders (and only for 80% of the consideration paid to the controlling shareholders).

Under the amendments to the Brazilian Corporate Law, by extending the tag along rights to minority shareholders, the Company no longer needs to comply with the requirement to pay an additional 10% premium on dividends paid to preferred shareholders. Following the approval and implementation of the amendments to the Company's bylaws to provide for the tag-along rights as described above, the Company now pays the stated minimum dividend of 30% of adjusted net profit (according the section 19 of the Company's articles of association) to all shareholders, from January 1, 2002 dividends paid to preferred shareholders no longer being subject to a minimum 10% premium over those paid to holders of common shares.

As a general requirement, shareholders who are non-resident in Brazil must have their Brazilian company investments registered with the Central Bank in order to be eligible for conversion into foreign currency of dividends, sales proceeds or other amounts related to their shares for remittance outside Brazil. Preferred Shares underlying the ADRs will be held in Brazil by the Custodian as agent for the Depositary Bank ( Depositary ). The holder of Preferred Shares will be the registered holder recorded in the preferred shares register.

Payments of cash dividends and distributions, if any, will be made in Brazilian currency to the Custodian, on behalf of the Depositary, which will then convert such proceeds into U.S. dollars and deliver the same U.S. dollars to the Depositary for distribution to holders of ADRs. If the Custodian is unable to convert the Brazilian currency received as dividends into U.S. dollars immediately, the amount of U.S. dollars payable to

holders of ADRs may be adversely affected by any devaluation or depreciation of the Brazilian currency relative to the U.S. dollar that may occur before such dividends are converted and remitted. Dividends in lieu of the Preferred Shares paid to holders who are not resident in Brazil, including holders of ADRs, are not subject to Brazilian withholding tax.

***Interest on Capital Stock***

Law 9,249 of December 1995, provides that a company may, at its sole discretion, pay interest on capital stock in addition to, or instead of, dividends. A Brazilian corporation is entitled to pay its shareholders interest on capital stock up to the limit of an amount computed as the TJLP (Long-Term Interest Rate) rate of return on its interest on capital stock or 50% of the net income (according BR GAAP) for the fiscal year, whichever is the lower. The payment of interest as described herein is subject to a 15% withholding income tax. See Item 10. Additional Information – Taxation.

***Dividend Policy***

The Company currently intends to pay dividends on its outstanding Preferred Shares at its mandatory distribution rates for any particular fiscal year, subject to any determination by the Board of Directors that such distributions would be inadvisable in view of the Company's financial condition. On March 31, 2003, the Board of Directors approved a new policy for paying dividends and interest on capital stock on a quarterly basis.

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Since 1999, dividends have been paid to holders of the Company's Common and Preferred Shares in *reais* and in U.S. dollars translated from *reais* at the commercial exchange rate on the date of payment. Relevant amounts are described in Item 3 - Key Information - Selected Financial Data.

**B. SIGNIFICANT CHANGES**

**Board of Directors.**

Since December 31, 2016, Manuel Vitor de Mendonça Filho is no longer an Officer of the Company and member of any Committee.

Since February 20, 2017, Expedito Luz is no longer a member of the Board of Directors of the Company and member of any Committee.

**ITEM 9. THE OFFER AND LISTING**

**A. OFFER AND LISTING DETAILS**

**Price Information**

***Preferred Stock***

The following table presents high and low market prices in Brazilian *reais* for Gerdau S.A. preferred stock (GGBR4) listed on the São Paulo Stock Exchange (BOVESPA) for the periods shown, as well as the high and low market prices in U.S. dollars for the same period.

**Closing Price GGBR4 Annual Basis (adjusted for dividends and events)**

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
2012	19.27	13.41	9.82	7.11
2013	18.06	11.12	8.85	4.96

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2014	17.27	7.84	7.22	2.92
2015	10.89	4.52	3.73	1.15
2016	14.62	3.27	4.31	0.79

Source: Bloomberg

**Closing Price GGBR4 Quarterly Basis (adjusted for dividends and events)**

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
<b>2015</b>				
1Q	10.89	8.40	3.73	3.00
2Q	10.38	7.33	3.45	2.36
3Q	7.02	4.52	2.24	1.27
4Q	6.63	4.62	1.77	1.15
<b>2016</b>				
1Q	6.71	3.27	1.85	0.79
2Q	8.31	5.55	2.35	1.54
3Q	10.29	5.97	3.18	1.79
4Q	14.62	8.84	4.31	2.72

Source: Bloomberg

Table of Contents**Closing Price GGBR4 Monthly Basis (adjusted for dividends and events)**

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
<b>2016</b>				
January	4.52	3.27	1.11	0.79
February	4.20	3.47	1.07	0.87
March	6.71	3.58	1.85	0.91
April	8.31	6.10	2.35	1.65
May	7.56	5.55	2.16	1.54
June	6.47	5.61	1.91	1.55
July	7.88	5.97	2.40	1.79
August	10.29	7.55	3.18	2.31
September	9.76	8.29	3.05	2.54
October	11.00	8.84	3.46	2.72
November	14.62	10.15	4.31	3.14
December	13.72	10.30	4.02	3.12
<b>2017</b>				
January	13.20	10.84	4.09	3.30
February	13.67	12.23	4.42	3.93
March, 13	13.35	11.91	4.29	3.76

Source: Bloomberg

The common and preferred stock are traded in the market, but only the common stock has voting rights. According to the Company's bylaws, however, specific rights are assured to the non-voting preferred shares. See Gerdau's bylaws, which are provided as an exhibit of this document.

***American Depositary Receipts***

The following table presents high and low market prices for Gerdau S.A.'s American Depositary Receipts (ADRs) traded on the New York Stock Exchange (NYSE) for the periods shown:

**Closing Price GGB Annual Basis (adjusted for dividends and events)**

Year	U.S. dollars per Share	
	High	Low
2012	9.88	7.10
2013	9.01	5.04
2014	7.26	2.89
2015	3.70	1.16
2016	4.28	0.80

Source: Bloomberg

**Closing Price GGB Quarterly Basis (adjusted for dividends and events)**

Year	U.S. dollars per Share	
	High	Low
<b>2015</b>		
1Q	3.70	2.98
2Q	3.53	2.36
3Q	2.24	1.27
4Q	1.77	1.16
<b>2016</b>		
1Q	1.81	0.80
2Q	2.34	1.53
3Q	3.14	1.75
4Q	4.28	2.68

Source: Bloomberg



Table of Contents**Closing Price GGB Monthly Basis (adjusted for dividends and events)**

Year	U.S. dollars per Share	
	High	Low
<b>2016</b>		
January	1.14	0.80
February	1.13	0.87
March	1.81	0.90
April	2.34	1.61
May	2.13	2.53
June	1.91	1.55
July	2.35	1.75
August	3.14	2.24
September	2.99	2.54
October	3.43	2.68
November	4.28	3.10
December	4.10	3.10
<b>2017</b>		
January	4.05	3.37
February	4.36	3.88
March, 13	4.24	3.72

Source: Bloomberg

**Common Stock**

The following table presents high and low market prices in Brazilian *reais* for Gerdau S.A. common stock (GGBR3) listed on the São Paulo Stock Exchange (BOVESPA) for the periods shown, as well as the high and low market prices in U.S. dollars for the same period.

**Closing Price GGBR3 Annual Basis (adjusted for dividends and events)**

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
2012	15.16	11.21	7.86	5.83
2013	15.52	10.03	7.64	4.49
2014	14.09	6.69	5.95	2.49
2015	8.23	3.33	3.03	0.83
2016	10.09	2.46	2.98	0.60

Source: Bloomberg

Closing Price GGBR3 Quarterly Basis (adjusted for dividends and events)

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
<b>2015</b>				
1Q	8.23	6.80	3.03	2.25
2Q	7.84	5.88	2.58	1.89
3Q	5.76	3.93	1.84	1.10
4Q	5.08	3.33	1.35	0.83
<b>2016</b>				
1Q	4.85	2.46	1.35	0.60
2Q	5.85	3.90	1.65	1.09
3Q	7.29	4.32	2.25	1.29
4Q	10.09	6.43	2.98	1.98

Source: Bloomberg

Table of Contents**Closing Price GGBR3 Monthly Basis (adjusted for dividends and events)**

Year	Brazilian reais per Share		U.S. dollars per Share	
	High	Low	High	Low
<b>2016</b>				
January	3.31	2.46	0.82	0.60
February	3.27	2.68	0.84	0.67
March	4.85	2.74	1.35	0.69
April	5.85	4.43	1.65	1.20
May	5.39	3.90	1.54	1.09
June	4.50	3.97	1.34	1.11
July	5.57	4.32	1.70	1.29
August	7.29	5.42	2.25	1.66
September	7.05	6.06	2.20	1.86
October	8.08	6.43	2.54	1.98
November	10.09	7.41	2.98	2.29
December	9.35	7.33	2.75	2.23
<b>2017</b>				
January	9.34	7.67	2.89	2.34
February	9.12	8.69	3.07	2.76
March, 13	11.60	9.15	3.68	2.95

Source: Bloomberg

**B. DISTRIBUTION PLAN**

Not required.

**C. MARKETS***São Paulo Stock Exchange - Brasil***Trading on the BOVESPA**

The São Paulo Stock Exchange (BOVESPA) is the only stock trade center in Brazil and Latin America's largest stock exchange. Until August, 2007, BOVESPA was a non-profit association owned by its member brokerage firms and trading on the BOVESPA was limited to these member brokerage firms and a limited number of authorized nonmembers. On August 28, 2007, BOVESPA was subject to a corporate restructuring process that resulted in the creation of BOVESPA Holding S.A., a public corporation which had, as fully-owned subsidiaries, the São Paulo

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Stock Exchange S.A. (Bolsa de Valores de São Paulo S.A. - BVSP) responsible for the operations by the stock exchange and the organized over-the-counter markets and the Brazilian Clearing and Depositary Corporation (Companhia Brasileira de Liquidação e Custódia) responsible for the settlement, clearing and depositary services. Such corporate restructuring has consolidated a demutualization process, thereby causing the access to the trading and other services rendered by the BOVESPA not conditioned to a stock ownership. On May 8, 2008, BOVESPA was subject to another corporate restructuring process that resulted in the creation of BM&F BOVESPA S.A. - Bolsa de Valores, Mercadorias e Futuros, a public corporation which merged the operations of BOVESPA Holding S.A. and BM&F S.A. On November 28, 2008, Brazilian Clearing and Depositary Corporation (Companhia Brasileira de Liquidação e Custódia), fully-owned subsidiary of BM&F BOVESPA S.A., was merged into BM&F BOVESPA S.A.

The BOVESPA's trading is conducted between 10:00 a.m. and 5:00 p.m. on the BOVESPA automated system. There is also trading on the so-called After-Market, a system that allows for evening trading through an electronic trading system. Trades are made by entering orders in the Mega Bolsa electronic trading system, created and operated by BOVESPA. The price variations are limited to 2% (above or below) the closing quote of the day.

In order to better control volatility, the BOVESPA adopts a circuit breaker system pursuant to which trading sessions may be suspended for a period of 30 minutes or one hour whenever the index of the BOVESPA falls below the limits of 10% or 15%, respectively, in relation to the index registered in the previous trading session. If any circuit breaker takes place during the day, trading sessions thereafter may be suspended by a period of time to be determined as per BOVESPA's own discretion whenever the index of the BOVESPA falls below the limit of 20% in relation to the index registered in the trading session of the day before.

Since March 17, 2003, market making activities have been allowed on the BOVESPA. The CVM (Comissão de Valores Mobiliários) and the BOVESPA have discretionary authority to suspend trading in shares of a particular issuer under certain circumstances. Trading of securities listed on the BOVESPA may be effected off the stock exchange market under certain circumstances, although such trading is very limited.

Settlement of transactions is effected three business days after the trade date without adjustment of the purchase price for inflation. The seller is ordinarily required to deliver the shares to the exchange on the second business day following the trade date.

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Trading on the BOVESPA by non-residents of Brazil is subject to certain limitations under Brazilian foreign investment legislation. See specific regulation for foreign investments in Brazil.

**Corporate Governance Practices in Brazil**

In 2000, the BOVESPA introduced three special listing segments, known as Level 1 and 2 of Differentiated Corporate Governance Practices and the *Novo Mercado*, aimed at encouraging Brazilian companies to follow good corporate governance practices and higher levels of transparency, as required by Brazilian Corporate Law. The listing segments were designed for the trading of shares issued by companies voluntarily undertaking to abide by corporate governance practices and disclosure requirements in addition to those already imposed by Brazilian law. These rules generally increase shareholders' rights and enhance the quality of information provided to shareholders.

The Company is listed on the Level 1 segment of the BOVESPA. To become a Level 1 company, in addition to the obligations imposed by current Brazilian law, an issuer must agree to (i) ensure that shares of the issuer representing at least 25% of its total capital are effectively available for trading; (ii) adopt offering procedures that favor widespread ownership of shares whenever making a public offering; (iii) comply with minimum quarterly disclosure standards, including cash flow statements; (iv) follow stricter disclosure policies with respect to transactions made by controlling shareholders, directors and officers; (v) disclose the terms of the transactions with related parties; (vi) make a schedule of corporate events available to shareholders; and (vii) at least once a year, hold public meetings with analysts and investors.

On March 21, 2011, CVM approved the new text of the Corporate Governance Level 1 Listing Rules of BM&FBOVESPA that became effective on **May 10, 2011**. As of the effective date aforementioned, therefore, the companies listed on Level 1 segment of BM&FBOVESPA are subject to what has been laid out in the Corporate Governance Level 1 Listing Rules, in accordance with the changes.

In order to be adapted to the changes to the Listing Rules, the companies listed in Level 1 segment must adopt, in addition to the rules, aforementioned, the following provisions within the terms informed below:

- a) Inclusion in the company bylaws of the mandatory minimum clauses set out by BM&FBOVESPA no later than: (i) the first Extraordinary General Meeting held 90 (ninety) days after the new Rules entered into force; or (ii) the date on which the company holds its general meeting to approve the financial statements; what happens first.

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- b) The preparation and publication of the Policy on Trading Securities and the Code of Conduct, which should occur within the deadline of one year as from the date on which the new Listing Rules came into force;
- c) Compliance, as from May 10, 2014, with the rule contained in item 4.3 of the new Corporate Governance Level 1 Listing Rules, which consists of a prohibition on the accumulation in a Company of the position of Chairman of the Board of Directors and Chief Executive Officer or lead executive by the same person.

**Regulation of the Brazilian Securities Market**

The Brazilian securities markets are regulated by the CVM, which has authority over stock exchanges and the securities markets generally, and by the Brazilian Central Bank, which has, among other powers, licensing authority over brokerage firms and regulates foreign investment and foreign exchange transactions. The Brazilian securities market is governed by the Brazilian Securities Law (Law N. 6,385 of December 7, 1976, as amended) and the Brazilian Corporate Law (Law N. 6,404 of December 15, 1976, as amended).

Law 11,638, of December 28, 2007, and Law N. 11,941, of May 27, 2009 (which resulted from the conversion into law of Provisional Decree (MP) N. 449, of December 3, 2008), amended a number of provisions of Law N. 6,385/76 and Law N. 6,404/76, related to accounting rules and financial statements of Brazilian corporations. The new changes aim to bring Brazilian accounting rules/financial statements closer to international standards.

Under the Brazilian Corporate Law, a company is either publicly held, such as Gerdau S.A., or closely held. All publicly held companies must apply for registration with the CVM and are subject to ongoing reporting requirements. A publicly held company may have its securities traded either on the BOVESPA or on the Brazilian over-the-counter markets (Brazilian OTC). The shares of a publicly held company, including Gerdau S.A., may also be traded privately subject to certain limitations established in CVM regulations.

CVM has issued Instruction N. 480, of December 7, 2009, that provides for the requirements for the registration of publicly held companies and companies that intend to trade securities in regulated securities markets. The referred CVM Instruction N. 480/09 significantly modified the reporting requirements applicable to publicly held companies and set forth the obligation to such companies to present annually to CVM a Reference Form ( Formulário de Referência ) containing all of the company's relevant information and to update the information contained therein as soon as any relevant changes occur.

In addition to such reporting requirements, the occurrence of certain events also requires disclosure of information to the CVM, the BOVESPA, or even the public. These include (i) the direct or indirect acquisition by an investor of at least 5% (five percent) of any class or type of shares representing the share capital of a publicly held company, (ii) the sale of shares representing the transfer of control of a publicly held company and (iii) the occurrence of a material event to the corporation. On March 5, 2002, the CVM issued Instruction N. 361, which regulates tender offers if one of the following events occurs: (i) delisting of companies; (ii) an increase in the equity interest of the controlling shareholder; or (iii) the transfer of control of a public held company.

The Brazilian OTC market consists of direct trades between individuals in which a financial institution registered with the CVM serves as intermediary. No special application, other than registration with the CVM, is necessary for securities of a publicly held company to be traded on the Brazilian OTC. The CVM must be notified of all trades carried out on the Brazilian OTC by the company's respective intermediaries. The trading of a company's securities on the BOVESPA may be suspended in anticipation of a material announcement. Trading may also be suspended at the initiative of the BOVESPA or the CVM on the basis of a belief that a company has provided inadequate information regarding a material event, has not provided an adequate response to the inquiries by the CVM or the stock exchange, or for other reasons.

The laws and regulations regarding the Brazilian Securities Market provide for disclosure requirements, restrictions on insider trading and price manipulation, and protection of minority shareholders. Although many changes and improvements have been introduced, the Brazilian securities markets are not as highly regulated and supervised as the U.S. securities markets or those in certain other jurisdictions.

#### **Regulation of Foreign Investment in Brazil**

Foreign investors may either register their investments in the Company's shares as a foreign direct investment under Law N. 4,131/62 and CMN (*Conselho Monetário Nacional*) Resolution N. 3,844/10 or as a portfolio investment under CMN Resolution N. 4,373/14 and CVM Instruction N. 325/00, both as amended. Foreign investors, regardless of whether their investments are made as foreign direct investments or portfolio investments, must be enrolled with the RFB (*Receita Federal do Brasil*, the Brazilian internal revenue service) pursuant to its Regulatory Instruction N. 1,634, of May 6, 2016, as amended. This registration process is undertaken by the investor's legal representative in Brazil.

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Law N. 4,131/62 and CMN Resolution N. 3,844/10 provide that, after a foreign direct investment is made, an application for its registration with the Central Bank must be submitted by the investee and the non-resident investor, through its independent representatives in Brazil, within 30 days. The registration of the foreign direct investment with the Central Bank allows the foreign investor to remit abroad resources classifiable as capital return, resulting either from: (i) the transfer of corporate interests to Brazilian residents, (ii) capital reduction, or (iii) the liquidation of a company, as well as funds classified as dividends, profits or interest on shareholders' equity. Foreign investors with foreign direct investments may also divest those investments through private transactions or transactions conducted through the stock exchange or the over-the-counter market. See *Taxation - Brazilian Tax Considerations* for information regarding the taxation of such transactions.

There are no restrictions on ownership of the Company's shares by individuals or legal entities domiciled outside Brazil. With certain limited exceptions, under CMN Resolution N. 4,373/14 investors are permitted to carry out any type of transaction in the Brazilian financial and capital markets involving a security traded on a stock, futures or organized over-the-counter markets. Investments and remittances outside of Brazil of gains, dividends, profits or other payments for common and preferred shares are made through the exchange market. See *Exchange Controls* for further information regarding non-Brazilian holders who qualify under CMN Resolution N. 4,373/14.

Securities and other financial assets held by non-Brazilian investors pursuant to CMN Resolution N. 4,373/14 must be registered or maintained in deposit accounts or under the custody of an entity duly licensed by the Central Bank or the CVM. In addition, securities trading is restricted to transactions carried out in the stock exchanges or through organized over-the-counter markets licensed by the CVM, except for transfers resulting from a corporate reorganization, or occurring upon the death of an investor by operation of law or will.

**Trading on Exchanges outside Brazil**

In addition to the BOVESPA, Gerdau shares are traded on two other stock exchanges:

***New York Stock Exchange***

On March 10, 1999, Gerdau S.A. obtained registration for the issuance of Level II ADRs, which began trading on the New York Stock Exchange the same day. Under the GGB symbol, these Level II ADRs have been traded in virtually every session since the first trading day. In 2016, 2.4 billion ADRs were traded, a figure 68.6% higher than in 2015, representing a trading volume of \$5.8 billion, equivalent to a daily average of \$23.0 million.

On February 4, 2016, Gerdau received a notice from the New York Stock Exchange (NYSE) that the average closing trading price of its ADRs was below \$1.00 over a consecutive 30 trading-day period, which is below the New York Stock Exchange's listing criteria. On March 31, 2016, however, the closing price and the average closing price in the preceding consecutive 30-day trading period of the Company's ADRs were above \$1.00 per ADR. On April 1, 2016, Gerdau was notified by the New York Stock Exchange that it had regained compliance with the NYSE listing criteria.



*Latibex Madrid Stock Exchange*

Since December 2, 2002, Gerdau S.A.'s preferred shares have been traded on the Latibex, the segment of the Madrid Stock Exchange devoted to Latin American companies traded in Euros. Following approval by the CVM and the Brazilian Central Bank, this date marked the beginning of the Depositary Receipts (DR) Program for preferred shares issued by the Company in Spain. The shares are traded in Spain under the symbol XGGB in the form of DRs, each corresponding to one preferred share. This participation in the Latibex boosted the Company's visibility in the European market. In 2016, a total of 1.8 million Gerdau preferred shares were traded on the Madrid Stock Exchange (Latibex), a figure 101.7% higher than in 2015, representing a trading volume of \$3.5 million, equivalent to a daily average of \$33 thousand.

**ITEM 10. ADDITIONAL INFORMATION**

**A. SHARE CAPITAL**

Not applicable.

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**B. MEMORANDUM AND ARTICLES OF ASSOCIATION**

Gerdau's bylaws have been registered with the Public Registry of the State of Rio de Janeiro (Junta Comercial do Rio de Janeiro) under company number (NIRE) 33.3.0003226-6.

The consolidated By-laws are incorporated by reference hereto as Exhibit 1.1.

The last amendment of the Company By-laws was made on April 29, 2015, as follows:

- Section 1, § 2: As the securities issued by the Company are admitted to trading on the over-the-counter markets organized by BM&FBOVESPA S.A. Securities, Commodities and Futures Exchange ( BM&FBOVESPA ), the Company, its managers and shareholders must comply with the provisions in the Regulation for Issuer Listing and for Admission to Trading of Securities, including the rules related to withdrawal and exclusion of trading of securities admitted to trading on the over-the-counter markets organized by BM&FBOVESPA.
- Section 4, § 6, a : Right to participate proportionally in the mandatory dividends, corresponding to, at least, thirty percent (30%) of the net income for the year, calculated in accordance with § 4º Article 20 herein; and
- Section 5, § 2: The compensation of the members of the Board of Directors and Executive Committee will be fixed by the Shareholders Meeting, and may be approved as an individual or an overall amount, in which case the Board of Directors will be responsible for deciding on its allocation.
- Section 14 The Company will have an Advisory Board to be elected by the Board of Directors and composed of up to four (4) members, one (1) of whom shall act as Chairman and the others as members without a specific title.

§ 1 When the Advisory Board is installed, its members shall serve a fixed term determined by the Board of Directors.

§ 2º The Advisory Board will be responsible for issuing an opinion on the matters submitted thereto by the Board of Directors.

§ 3° The recommendations and opinion reports will be issued by the Advisory Board after approval by the majority of its members. In case of tie, the Chairman will have the casting vote.

§ 4° The compensation of the Advisory Board members will be determined by the Board of Directors, within the amounts approved by the Shareholders Meeting related to management compensation.

### ***Objects and Purposes***

According to the consolidated By-laws of the Company, its objects and purposes are described in the article 2, as stated below:

**Art. 2 -** The Company, which will have an unlimited lifetime, has the following purposes: a) interests in the capital of companies actuating in the industry and trade of steel and/or metallurgical products, with plants integrated to ports or not, as well as other companies and industrial consortia, including activities of research, mining, ore industrialization and trading, elaboration, execution and administration of forestation and reforestation, as well as the trade, export and import of goods, conversion of forests into charcoal, transport of goods of its own manufacture and port operator activities, referred to in Law 8.630, of February 8, 1993; and b) industry and trade exploitation, including representation, importing and exporting of steel, iron and related products.

### ***Summary of Special Conditions Relating to Directors and Officers***

Although the bylaws do not specifically address this matter, the Company, its directors and officers are obliged to adhere the provisions of Law 6.404/76 (Corporate Law), which regulates corporations in Brazil, and also observes the rules of the Brazilian Stock Exchange Commission (CVM) and the São Paulo Stock Exchange (BM&FBOVESPA).

In general terms, Section 153 of the Corporate Law establishes that in exercising his/her duties, a company director or officer shall employ the care and diligence, which a person normally employs in the administration of his/her own affairs.

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In addition, Section 154, paragraph 2 of the Corporate Law, states that directors and officers shall not: a) perform an act of liberality at the expense of the company; b) borrow money or property from the company or use company's property, services or credits for his/her own advantage or for the advantage of any entity in which he/she/any third party has an interest, without the prior approval of a general shareholders meeting or the board of directors; c) by virtue of his/her position, receive any type of direct or indirect personal benefit unless according to the Company's bylaws or a general shareholders' meeting.

Finally, Section 156 of the Corporate Law states that: An administrator (member of the board of directors and executive officers) shall not take part in any corporate transaction in which he/she has an interest which conflicts with an interest of the corporation, nor in the decisions made by the other officers on the matter.

Regarding the decision on directors' compensation, the bylaws of the Company state that the shareholders are in charge of defining the global remuneration of the administrators (member of the board of directors and executive officers) and the board of directors is in charge of fixing the individual remuneration of directors and officers (article 6, letter j of the bylaws).

With regard to borrowing powers exercisable by the directors, the bylaws state that:

- Article 6, letter u : The Board of Directors should set on a periodic basis, value criteria, time of duration, extension of effects, etc., for which certain company acts, including loans by and to the Company, may only be effected by one or more Executive Officers or after prior authorization by the Executive Committee;
- Article 6, § 7°: The Board may decide to create specific committees linked to itself, which shall include one or more of its members, with or without the participation of Executive Officers, Company employees or contracted third-parties with the aim of coordinating or orienting certain corporate processes or operations.

***Rights, preferences and restrictions attaching to each class of the shares***

Gerdaus capital stock is divided into common and preferred shares.

**Rights to dividends**

All common and preferred shares enjoy the same rights to dividends, which are established by the Company's bylaws as a minimum mandatory percentage of 30% of net income, with the following adjustments:

a) the addition to the following amounts:

- amounts arising during the fiscal year from the reversal of previous contingency reserves;
- amounts resulting from the realization, during the fiscal year, of profits that have previously been transferred to the unrealized profit reserve line;
- amounts arising from the realization during the fiscal year of increases in the value of assets, as a result of new valuations, recorded as revaluation reserve.

b) the subtraction of amounts assigned during the fiscal year for the constitution of legal reserves, the reserve for contingencies, the unrealized profit reserve and the tax incentive reserve.

For additional information, please see the item Dividend Policy above.

#### **Voting rights**

According to Gerdau's bylaws, the common shares have voting rights and the preferred shares have no voting rights although the holders of preferred share are entitled to attend to shareholders' meetings and to participate in the discussions.

Note, however, that the Company's bylaws state, in Article 19, Paragraph 11, that the preferred shares shall acquire the right to vote if the Company, for three consecutive fiscal years, fails to pay the minimum dividends to which they are entitled, a right that the shares will hold until the first subsequent payment of dividends that the Company makes.

Shareholders representing the majority of a) holders of preferred shares without voting rights (or with restricted voting rights) representing 10% of the total capital stock; and b) holders of at least 15% of the voting capital stocks; shall have the right to elect and remove from office a member and his substitute from the board of directors, in a separate election at the general meeting, being excluded from such election the majority shareholder.

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If neither the holders of shares with voting rights nor the holders of preferred shares without voting rights or with restricted voting rights are sufficient to achieve the quorum above, they shall be allowed to aggregate their shares in order to jointly elect a member and his substitute for the board of directors, in this case considering the quorum of 10% of the capital.

Shareholders representing at least one-tenth of the voting capital may also request that the election of directors be subject to cumulative voting, if present this request to the company up to 48 hours prior to the general shareholders meeting.

Notwithstanding the provisions aforementioned, the controlling shareholders shall always have the right to elect the majority of the members of the board of directors of a Brazilian company.

Based upon section 161, paragraph 4th of Corporate Law, the holders of preferred shares without voting rights or with restricted voting rights shall be entitled to elect one member of the board of auditors and his alternate in a separate election. The minority shareholders shall have the same right, provided that they jointly represent ten per cent or more of the voting shares.

**Rights to the reimbursement of capital**

The preferred shares enjoy preference in the reimbursement of capital, up to the value of their respective interest in the capital stock, in the event of the Company's dissolution, after which the common shares are reimbursed up to the value of their respective fractional participation in the capital stock, with the remaining balance distributed on equal conditions among the holders of the common and preferred shares.

**Liability to further capital calls and Shareholders owning a substantial number of shares**

There are no specific provisions in the bylaws of liability to further capital calls by the Company or provisions discriminating against any existing or prospective holder of such securities as a result of such shareholder owning a substantial number of shares.

**Changes to the rights**

The Brazilian Corporate Law states, in its Section 109, that neither the bylaws nor a general meeting may deprive a shareholder of the right:

- a) to participate in the corporate profits;

- b) to participate in the assets of the corporation in the case of liquidation;
- c) to supervise the management of the corporate business as provided for in the Corporate Law;
- d) of first refusal in the subscription of shares, founders shares convertible into shares, debentures convertible into shares and subscription bonuses, and
- e) to withdraw from the corporation in the cases provided for in the Corporate Law.

Furthermore, Section 16, sole paragraph of Corporate Law set forth that, unless expressly provided for, an amendment to that part of the bylaws which regulates the different classes of shares shall require the approval of the shareholders of all shares thereby affected.

On the same hand, Section 136, paragraph 1st of Corporate Law states that any changes in the preferences or rights of the preferred shares, or the creation of a class of shares having priority in relation to the existing preferred shares, unless the change is authorized by our bylaws, would require the approval of the preferred shareholders in a special shareholders meeting, in addition to approval by the majority of the holders of the outstanding voting shares.

#### **Annual general meetings and extraordinary general meetings of shareholders**

The call for the annual general meeting and extraordinary general meeting of Gerdau shall be made by a notice published on at least three occasions in the Valor Econômico, Rio de Janeiro edition, Valor Econômico, São Paulo edition, and Diário Oficial do Estado do Rio de Janeiro. The call shall contain, in addition to the place, date and time of the general meeting, the agenda and, in the case of an amendment to the bylaws, an indication of the subject-matter.

The first call of the general meeting shall occur fifteen (15) days in advance, and the second call eight (8) days in advance.

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Apart from the exceptions provided by law, the opening of a general meeting shall occur on first call with the presence of shareholders representing at least one-quarter of the voting capital; and on the second call, with any number.

The investors attending a general meeting shall produce proof of their shareholder status. According to Gerdau's bylaws, the Company may require, within a period established in the notice of calling, the depositing of proof of ownership of shares, submitted by the financial institution acting as depositary for the same shares, as well as to suspend, for the same period, transfer and stock split services.

A shareholder may be represented at a general meeting by a proxy, appointed less than one year before, who shall be a shareholder, a corporation officer, a lawyer or a financial institution. A condominium shall be represented by its investment fund officer.

A request for the appointment of a proxy, made by post or by public notice, shall satisfy the following requirements:

- a) contain all information necessary to exercise the requested vote;
- b) entitle the shareholder to vote against a resolution by appointing another proxy to exercise the said vote;
- c) be addressed to all shareholders whose addresses are kept by the corporation.

Subject to the requirements aforementioned, any shareholder whose shares with or without voting rights represent one-half percent or more of the capital shall be entitled to request a list of the addresses of the shareholders

The legal representative of a shareholder shall receive an authorization to attend general meetings.

**Limitations on the rights of non-residents and foreign shareholders to own securities**

There are no limitations on the rights to own securities by non-residents or foreign shareholder set forth in the Bylaws of Gerdau S.A. The Brazilian Corporate Law neither establishes limitation. Note that some procedures shall be observed by the foreign companies for the remittance of funds (see item 10.D, below).



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A shareholder resident or domiciled abroad must maintain a representative in Brazil empowered to accept service of process in proceedings brought against him under this Law.

### **Change in control of the company**

Brazilian Corporate Law states that the direct or indirect transfer of control of a publicly held corporation can only be effective under the condition that the purchaser agrees to conduct a public offer to acquire the voting shares owned by the remaining shareholders.

Our bylaws attribute to all shares the right to be included in any public offering involving the transfer of control, guaranteeing the same price paid per share with voting rights that are part of the controlling block.

### **Disclosure of shareholders ownership**

With regard to the disclosure of ownership, shareholders shall observe the rule 358 enacted by the Brazilian Exchange Commission, which sets forth that:

*Article 12. The direct or indirect controlling shareholders and the shareholders that elected members of the Board of Directors and the Board of Auditors, as well as any person or company or group of people acting together or representing the same interest that have either direct or indirect participation corresponding to 5% (five percent) or more in type or class of shares representing the capital of a publicly held company, shall send to the company the following information:*

*I - the announcers' name and qualification, indicating their National Register of Legal Persons or the Register of Natural Persons;*

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*II - objective of the participation and quantity envisaged, if it is the case, including a declaration of the buyer that purchases will not alter the composition of the control or administrative structures of the company;*

*III - number of shares, subscription bonus, as well as rights to subscribe to shares and options to buy shares, by sort and type, already held, directly or indirectly, by the assignor or linked person.*

*IV - number of convertible debentures into shares, already held, directly or indirectly, by the assignor or linked person, explaining the quantity of shares intended to be converted, by sort and type;*

*V - indication of any agreement or contract regulating the right to vote or purchase and sale securities issued by the company; and*

*VI - if the shareholder has its residence or domicile abroad, the name or social denomination and the Brazilian Tax Payer Number of its attorney or legal representative in the country, in compliance with section 119 of law 6.404 of 1976.*

*Paragraph 1. Individuals or groups of individuals representing a common interest are also under the obligation to disclose the same information, given they are shareholders holding shares of equal or higher stockholdings percentages stated in this article, every time this participation increases 5% (five per cent) of the sort or type of representative share of the company's share capital.*

*Paragraph 2. The obligations provided for in the caput and paragraph 1 are also extended to the acquisition of any rights over shares and further securities stated there.*

*Paragraph 3. The communication referred to in the caput shall be performed immediately after the mentioned participation is accomplished.*

*Paragraph 4. The people mentioned in the caput of this article shall also communicate the alienation or extinction of shares and other securities mentioned in this article, or of rights over them, every time the participation of the owner in type or class of the securities mentioned reaches 5% (five percent) of the total of such type or class, and every time such participation is reduced by 5% (five percent) of the total in type or class.*

*Paragraph 5. In cases when the acquisition results or has been carried out with the objective of changing the control's composition or the governance structure of the company, as in case when the acquisition generates the obligation of making a public offer, according to the applicable regulation, the acquirer must promote the disclosure, at least, in the same communication channels regularly adopted by the company, in compliance with section 3, paragraph 4, of a notice with the information predicted in line I to V of this article caput.*

*Paragraph 6. The Investor Relations Director is responsible for transmitting the information, as soon as they are received by the company, to CVM and, if applicable, to the stock exchange or organized over-the-counter market entities in which the company trades its shares, as update the IAN form in the correspondent field.*

**Conditions more stringent governing changes in the capital than is required by law**

There are no conditions imposed by the bylaws more stringent than is required by Law governing changes in the capital.

**C. MATERIAL CONTRACTS**

For information concerning material contracts regarding the acquisition of assets, see Item 4 Company Information, Item 5 Operating and Financial Review and Prospects and Item 8 Financial Information. Gerdau S.A. has entered into financial agreements in order to finance its expansion projects and improve its debt profile. Although some of these contracts entail significant amounts, none exceeds 10% of the Company's consolidated total assets. The most significant financial agreements are described below, with the Company agreeing to provide a copy of the debt instruments described herein to the Securities and Exchange Commission upon request.

**Bonds** - The Company, through its subsidiaries GTL Trade Finance Inc., Gerdau Holdings Inc. and Gerdau Trade Inc., concluded in 2007, 2009, 2010, 2013 and 2014, the issuance of bonds each with maturity of 10 and 30 years (collectively Ten/Thirty Years Bond). The following companies guaranteed these transactions: Gerdau S.A., Gerdau Açominas S.A., Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A. On December 31, 2016, the outstanding balance of these bonds was R\$ 14.2 billion.

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**GGWCF** - In September 2015, the Company prepaid and cancelled the Global Working Capital Facility in October 2015, the Company entered into a new senior unsecured working capital facility in the amount of US\$ 1 billion. The new global line is divided into two tranches, US\$ 250 million for Gerdau's North American subsidiaries and US\$ 750 million for Gerdau's Latin American subsidiaries. The outstanding loans under this line totaled US\$ 188.3 million (R\$ 613.7 million as of December 31, 2016).

**BNDES** - In June 2009, certain subsidiaries of the Company (Gerdau Açominas S.A., Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau S.A.) entered into a credit line with BNDES in the total amount of R\$ 1.5 billion bearing an interest rate of TJLP + 2.16% per annum when drawn. On December 31, 2016 the outstanding amount was R\$ 665.7 million.

In December 2012 the subsidiary Gerdau Açominas S.A. obtained a committed credit line with BNDES in the total amount of R\$776.6 million for the Plate and Steckel Mill project. The funds are provided as the subsidiary carries out its own investment plans and submit to BNDES the evidences of completion. The outstanding balance of this transaction was R\$303.9 million as of December 31, 2016.

#### **D. EXCHANGE CONTROLS**

There are no restrictions on ownership or voting of the Company's paid-in capital by individuals or legal entities domiciled outside Brazil. The right to convert dividend payments and proceeds from the sale of the Company's paid-in capital into foreign currency and to remit such amounts outside Brazil is subject to restrictions under foreign investment legislation which generally require, among other things, the prior registration of the relevant investment with the Central Bank.

In Brazil, a mechanism is available to foreign investors interested in trading directly on the BOVESPA. Until March 2000, this mechanism was known as Annex IV Regulations, in reference to the Annex IV of CMN Resolution N. 1,289/87 ( "Annex IV Regulations" ). Currently, this mechanism is regulated by CMN Resolution N. 4,373/14.

CMN Resolution N. 4,373/14, which took effect on March 30, 2014, establishes rules for foreign investments in Brazilian equities. Such rules allow foreign investors to invest in almost all types of financial asset and to engage in almost all transactions available in the Brazilian financial and capital markets, provided that certain requirements are fulfilled.

Pursuant to CMN Resolution N. 4,373/14, foreign investors are defined as individuals, legal entities, mutual funds and other collective investments resident, domiciled or headquartered abroad. CMN Resolution N. 4,373/14 prohibits the offshore transfer or assignment of title to the securities.

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Pursuant to CMN Resolution N. 4,373/14, foreign investors must: (i) appoint at least one representative in Brazil with powers to perform actions relating to the foreign investment; (ii) obtain registration as a foreign investor with the CVM; (iii) appoint an authorized custodian in Brazil for its investment and (iv) register the foreign investment with the Central Bank. The securities and other financial assets held by the foreign investor pursuant to CMN Resolution N. 4,373/14 must be registered or maintained in deposit accounts or under the custody of an entity duly licensed by the Central Bank or by the CVM or be registered in registration, clearing and custody systems authorized by the Central Bank or by the CVM. In addition, securities trading are restricted to transactions carried out on exchanges or organized over-the-counter markets licensed by the CVM. All investments made by a foreign investor under CMN Resolution N. 4,373/14 will be subject to electronic registration with the Central Bank.

CMN Resolution N. 4,373/14, that revoked CMN Resolution N. 1,927/92 of the National Monetary Council (which was the Amended and Restated Annex V to CMN Resolution N. 1,289/87), provides for the issuance of depositary receipts in foreign markets in respect of shares of Brazilian issuers. Since ADRs have been approved under the applicable law by the Central Bank and the CVM, the proceeds from the sale of the ADRs by ADR holders outside Brazil are free of Brazilian foreign investment controls and holders of the ADRs will be subject to a specific tax treatment. According to CMN Resolution N. 4,373/14, are subject to concurrent exchange operations or international transfers in Brazilian Reais, without effective delivery of resources and whether prior authorization of the Central Bank of Brazil, the application of non-resident investor through the mechanism of Depositary Receipts may be transferred to other foreign investments mechanisms, with due regard to the conditions set forth by the Central Bank and by the CVM.

A foreign investment registration has been made in the name of The Bank of New York Mellon, as Depositary for the Preferred ADRs, and is maintained by Itaú Unibanco S.A. ( Custodian ) on behalf of the Depositary. Since July 1, 2013, JPMorgan Chase Bank is the Depositary for the Preferred ADRs ( Depositary ) and is also maintained by Itaú Unibanco S.A. ( Custodian ) on behalf of the new Depositary. Pursuant to the registration, the Custodian and the Depositary are able to convert dividends and other distributions with respect to the Preferred Shares represented by Preferred ADRs into foreign currency and remit the proceeds abroad. Subject to the provisions set forth in Annex V Regulations, holders of preferred ADRs may exchange such ADRs for the underlying Preferred Shares. In this event, such a holder will be entitled to continue to rely on the Depositary's registration of foreign investment for only five business days after such exchange, after which time, the same holder must seek its own registration with the Central Bank.

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The Registered Capital for Preferred Shares that are withdrawn upon surrender of Preferred ADRs will be the U.S. dollar equivalent to (i) the average price of the Preferred Shares on the BOVESPA on the day of withdrawal, or (ii) if no Preferred Shares were sold on such day, the average price of Preferred Shares that were sold in the fifteen trading sessions immediately preceding the same withdrawal. The U.S. dollar value of the Preferred Shares is determined on the basis of the average Foreign Exchange rates quoted by the Central Bank on the same date (or, if the average price of Preferred Shares is determined under clause (ii) of the preceding sentence, the average of such average quoted rates on the same fifteen dates used to determine the average price of the Preferred Shares). A non-Brazilian holder of Preferred Shares may experience delays in effecting the registration of Registered Capital, which may delay remittances abroad. Such a delay may adversely affect the amount, in U.S. dollars, received by the non-Brazilian holder.

Thereafter, unless the Preferred Shares are held pursuant to CMN Resolution N. 4,373/14 or to Law N. 4,131/62 by a foreign investor, the same holder may not be able to convert into foreign currency and remit the proceeds outside Brazil from the disposal of, or distributions with respect to, such Preferred Shares, and will generally be subject to less favorable Brazilian tax treatment than a holder of Preferred ADRs.

Restrictions on the remittance of foreign capital overseas could hinder or prevent the Custodian, as custodian for the Preferred Shares represented by Preferred ADRs, or holders who have exchanged Preferred ADRs for Preferred Shares, from converting dividends, distributions or the proceeds from any sale of Preferred Shares into U.S. dollars and remitting such U.S. dollars abroad. Holders of Preferred ADRs could be adversely affected by delays in, or refusal to grant any required government approval for conversions of Brazilian currency payments and remittances abroad of the Preferred Shares underlying the Preferred ADRs.

**Exchange Rates**

Before March 2005, there were two legal foreign exchange markets in Brazil, the commercial market and the floating market. The difference between these two markets was the type of transaction that could be performed through each market.

On March 4, 2005, through CMN Resolution N. 3,265 (revoked and replaced by CMN Resolution N. 3,568, of May 29, 2008), CMN introduced a single foreign exchange market and abolished the legal differences between the referred Commercial and Floating Markets. Among the modifications to foreign exchange market rules is a greater freedom to remit funds abroad through the foreign exchange market. On the other hand, the so-called CC5-Accounts, which are bank accounts in *reais* held in Brazil by foreign entities, may no longer be used to transfer funds on behalf of third parties.

On March 24, 2010, the CMN approved Resolution No. 3,844, adopting a series of measures to consolidate and simplify the Brazilian foreign exchange regulations. These changes are expected to reduce the effective cost of foreign exchange transactions and the related administrative expenses for both the public and private sectors as well as to provide more legal certainty to the parties to such transaction.

In the past, the Central Bank has intervened occasionally to control unstable movements in foreign exchange rates. We cannot predict whether the Central Bank or the Brazilian government will continue to let the *real* float freely or will intervene in the exchange rate market through the return of a currency band system or otherwise. The *real* may depreciate or appreciate against the U.S. dollar.

The current exchange rates from U.S Dollar to Brazilian Reais are demonstrated in the table of item 3.A, Exchange rates between the United States Dollar and Brazilian Reais .

**ITEM 10. ADDITIONAL INFORMATION**

**E. TAXATION**

The following summary contains a description of the main Brazilian and U.S. federal income tax consequences of the purchase, ownership and disposition of common shares, preferred shares and ADRs. It does not purport to be a comprehensive description of all tax considerations that may be relevant to a decision to purchase these securities. In particular, this summary deals only with holders of common shares, preferred shares or ADRs as capital assets (generally, property held for investment) and does not address the tax treatment of a holder that may be subject to special tax rules, like a bank, an insurance company, a dealer in securities, a person that will hold common shares, preferred shares or ADRs in a hedging transaction or as a position in a straddle , conversion transaction or other integrated transaction for tax purposes, a person that has a functional currency other than the U.S. dollar, a person liable for alternative minimum tax, a partnership (or other entity treated as a partnership for U.S. federal income tax purposes) or a person that owns or is treated as owning 10% or more of the voting shares of the Company. Prospective purchasers of common shares, preferred shares or ADRs should consult their own tax advisors as to the personal tax consequences of their investment, which may vary for

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investors in different tax situations. The summary is based upon tax laws of Brazil and the United States and applicable regulations, judicial decisions and administrative pronouncements as in effect on the date hereof. Such authorities are subject to change or new interpretations, possibly with retroactive effect. Although there is no income tax treaty between Brazil and the United States at this time, the tax authorities of the two countries have had discussions that may culminate in a treaty. No assurance can be given, however, as to whether or when a treaty will enter into force or how it will affect the U.S. holders of common shares, preferred shares or ADRs. This summary is also based upon the representations of the Depositary (as defined below) and on the assumption that each obligation in the Deposit Agreement relating to the ADRs and any related documents will be performed in accordance with its terms.

**Brazilian Tax Considerations**

The following discussion summarizes the main Brazilian tax consequences of the acquisition, ownership and disposition of common shares, preferred shares or ADRs by a holder that is not resident or domiciled in Brazil for purposes of Brazilian taxation ( Non-Resident Holder ).

The following is a general discussion only. It does not specifically address all of the Brazilian tax considerations applicable to any particular Non-Resident Holder. The discussion does not address the effects of any tax treaties or reciprocity of tax treatment entered into by Brazil and other countries. This discussion also does not address any tax consequences under the laws of any state or municipality of Brazil.

***Income tax***

***Dividends***

Dividends derived from profits generated on or after January 1, 1996, paid by a Brazilian corporation such as our company, including stock dividends and other dividends paid to a Non-Resident Holder of common shares, preferred shares or ADRs, are currently exempt from income tax in Brazil, as provided by art. 10 of Federal Law no. 9,249, of December 26, 1995.

***Interest Attributable to Shareholders Equity***

As from the enactment of Federal Law no. 9,249/95, a Brazilian corporation, such as our company, is allowed to make distributions to shareholders of interest on shareholders equity and to treat such payments as a deductible expense for purposes of calculating Brazilian corporate income tax and social contribution on net profits, as far as the limits described below are observed.



For tax purposes, this interest is calculated over the net equity accounts of the corporation and is limited to the daily *pro rata* variation of the Brazilian long-term interest rate (*Taxa de Juros de Longo Prazo* - TJLP), as determined by the Brazilian Central Bank from time to time, and the amount of the deduction cannot exceed the greater of:

- 50% of net income (after the deduction of social contribution on net profits and before taking into account the provision for corporate income tax and the amounts attributable to interest on shareholders' equity) for the period in respect of which the payment is made; and
- 50% of the sum of retained profits and profit reserves as of the date of the beginning of the period in respect of which the payment is made.

Such payments of interest on shareholders' equity made to a Non-Resident Holder are generally subject to withholding income tax at the rate of 15%, being such rate increased to 25% if the Non-Resident Holder is resident or domiciled in a Tax Favorable Jurisdiction (please refer to Tax Favorable Jurisdictions for a definition of this concept).

Provisional Measure (PM) no. 694, of September 30, 2015, had been enacted to promote two changes with regard to the rules above: (i) the limitation on the amount of interest on shareholders' equity to be paid would be set at the lesser of daily *pro rata* variation of said TJLP rate or 5% per annum; and (ii) the general withholding income tax rate applicable to payments made to a Non-Resident Holder would be increased from 15% to 18% (the 25% rate remaining applicable to payments made to a Non-Resident Holder resident or domiciled in a Tax Favorable Jurisdiction). Said changes, however, have lost effectiveness, as PM no. 694/15 has not been converted into law.

Payments of interest on shareholders' equity may be included, at their net value, as part of any mandatory dividend. To the extent a payment of interest on shareholders' equity is so included, the corporation is required to distribute to shareholders an additional amount to ensure that the net amount received by such shareholders, after payment of the applicable withholding income

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tax, plus the amount of declared dividends, is at least equal to the mandatory dividend ( gross-up method ).

*Capital Gains*

According to Federal Law no. 10,833, of December 29, 2003, gains deriving from the transfer of assets located in Brazil by a Non-Resident Holder, whether to another non-Brazilian resident or to a Brazilian resident, may be subject to withholding income tax in Brazil.

With respect to a disposition of common or preferred shares, as these are assets considered to be located in Brazil, the Non-Resident Holder will be subject to withholding income tax on the realized gains, according to the rules described below.

As far as ADRs are concerned, although the matter is not entirely clear, arguably the gains realized by a Non-Resident Holder on the disposition of ADRs are not taxed in Brazil, based on the argument that ADRs are not assets located in Brazil for purposes of Article 26 of Federal Law no. 10,833/03. We cannot assure you, however, that Brazilian tax authorities or Brazilian tax courts will agree with this interpretation. Accordingly, in the event that ADRs are deemed to be assets located in Brazil for purposes of Article 26 of Federal Law no. 10,833/03, gains realized on a disposition of ADRs by a Non-Resident Holder will be subject to withholding income tax in Brazil, according to the rules described below.

In general, gains realized on the disposition of common or preferred shares (or ADRs, in case they are deemed to be assets located in Brazil ) correspond to the positive difference between the amount realized on the disposition, and the cost of acquisition of the shares disposed of, measured in Brazilian reais (without any correction for inflation), in line with the views expressed by the Brazilian tax authorities on the matter (see, e.g., Normative Ruling no. 1,455, issued on March 06, 2014). There are grounds, however, for maintaining that the gains realized should be calculated taking into consideration the cost of the relevant investments in foreign currency, as so registered before the Brazilian Central Bank. Nonetheless, no assurance can be provided as to whether such arguments will prevail in the Brazilian administrative and/or judicial courts.

The rules related to whether or not withholding income tax must be levied on such gains will vary depending on the domicile of the Non-Resident Holder, the type of registration of the investment that must be made by the Non-Resident Holder before the Brazilian Central Bank, and how the disposition is carried out.

Gains realized on a disposition of common or preferred shares carried out on the Brazilian stock exchange are:

- exempt from income tax when assessed by a Non-Resident Holder that (1) has invested in Brazil under the rules set forth by the Brazilian Central Bank Qualified Portfolio Investor (in particular the National Monetary Council Resolution no. 4,373, of September 29, 2014) and (2) is not domiciled or resident in a Tax Favorable

Jurisdiction. Please refer to Tax Favorable Jurisdictions for a definition of this concept; or

- subject to income tax at a rate of 15% in any other case, including a case of gains assessed by a Non-Resident Holder that is not a Qualified Portfolio Investor, and of a Non-Resident Holder that is domiciled or resident in a Tax Favorable Jurisdiction. In these cases, a withholding income tax of 0.005% on the sale value will be applicable and can be later offset against income tax due on any capital gain realized on the transaction.

Gains realized by a Non-Resident Holder on a disposition of common or preferred shares (or ADRs, in case they are deemed assets located in Brazil ) that is not carried out on a Brazilian stock exchange are subject to income tax at the same rate applicable to resident individuals. Until December 31, 2016, this rate was 15%, as per Article 21 of Federal Law no. 8,981, of January 20, 1995. Federal Law no. 13,259, of March 16, 2016 (resulting from passing PM nº 692, of September 22, 2015 into law) amended said Federal Law no. 8,981/95 and rendered capital gains realized by resident individuals taxable at progressive rates in brackets that vary from 15% to 22.5%, depending upon the amount of gain realized on the transaction, being: (i) 15% on gains realized up to R\$ 5 million; (ii) 17.5% on gains exceeding R\$ 5 million but not R\$ 10 million; (iii) 20% on gains exceeding R\$ 10 million but not R\$ 30 million; and (iv) 22.5% on gains exceeding R\$ 30 million. In case, however, the Non-Resident Holder is resident or domiciled in a Tax Favorable Jurisdiction, the gains it realize on the disposition of said assets will be taxable at the fixed rate of 25% (please refer to Tax Favorable Jurisdictions below for a definition of this concept).

Such increase in rates set forth by Federal Law no. 13,259/16 became effective as of January 1, 2017, as confirmed by Ordinance (*Ato Declaratório Interpretativo*) no. 3, of April 27, 2016.

The rules contained in Federal Law no. 13,259/16 are also applicable on the disposition of common or preferred shares (or ADRs, in case they are deemed assets located in Brazil ) that is not carried out on a Brazilian stock exchange. Such increase, however, shall have no impact as regards transactions carried out (i) on the Brazilian stock exchange, as well as (ii) by a Non-Resident

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Holder resident or domiciled in a Tax Favorable Jurisdiction (whether or not on the Brazilian stock exchange).

Gains related to transactions carried out outside the Brazilian stock exchanges, but on a Brazilian non-organized over-the-counter market with intermediation, are also subject to the withholding income tax of 0.005%, which can be offset against income tax due on any capital gain realized on the transaction.

In the event of a redemption of common or preferred shares (or ADRs, in case they are deemed to be assets located in Brazil ) or of a capital reduction by a Brazilian corporation, such as our company, the positive difference between the amount received by the Non-Resident Holder and the acquisition cost of the respective common or preferred shares (or ADRs, in case they are deemed to be assets located in Brazil ) will be treated as a capital gain derived from a disposition that is not carried out on a Brazilian stock exchange market, and therefore will be subject to income tax at a rates described in the previous paragraphs.

Any exercise of preemptive rights relating to the common or preferred shares or ADRs will not be subject to Brazilian income tax. Gains realized by a Non-Resident Holder on the disposition of preemptive rights relating to common shares, preferred shares or ADRs will be subject to Brazilian income tax according to the same rules described above.

A Non-Resident Holder of ADRs may cancel such ADRs and exchange them for common or preferred shares. Income tax may not be levied on such exchange, as long as the appropriate rules are complied with in connection with the registration of the investment before the Brazilian Central Bank, and as long as ADRs are not deemed assets located in Brazil .

The deposit of common or preferred shares by a Non-Resident Holder in exchange for ADRs may trigger Brazilian income tax on the capital gain presumably realized, in accordance with the rates mentioned above. There are grounds to maintain, however, that such transaction should not trigger Brazilian income tax, provided that the appropriate rules are complied with in connection with the registration of the transaction before the Brazilian Central Bank.

There can be no assurance that the current favorable tax treatment granted to Qualified Portfolio Investors will continue in the future.

*Tax Favorable Jurisdictions*

The concept of Tax Favorable Jurisdiction is defined by Federal Law 9,430, of December 27, 1996, and included the countries or locations (1) that do not impose income tax, (2) where the maximum income tax rate is lower than 20% (such percentage may be reduced or restored by the Executive branch) or (3) whose laws do not allow access to information regarding the shareholding composition of legal entities, their ownership, or the identity of the beneficial owners of earnings attributable to non-residents. Normative Ruling no. 1,037, of June 04, 2010, as amended, expressly lists the countries or locations that fit into such definition.

The same Federal Law no. 9,430/96, as amended by Federal Law no. 11,727, of June 23, 2008, also sets forth the concept of **Privileged Tax Regimes** ; said regimes are also expressly listed by Normative Ruling no. 1,037/10. Notwithstanding, the mentioned concept does not seem relevant for purposes of determining the tax treatment applicable to investments made by Non-Resident Holders of common shares, preferred shares and ADRs, although one cannot completely disregard the risk that tax authorities argue otherwise.

Ordinance ( *Portaria* ) no. 488, issued by the Brazilian Ministry of Finance on November 28, 2014, lowered the threshold at which countries or locations are deemed to be **Tax Favorable Jurisdictions** (see item (2), above), from 20% to 17%.

#### ***Tax on Foreign Exchange Transactions***

Brazilian law imposes a Tax on Foreign Exchange Transactions ( **IOF/FX** ) due on the liquidation of foreign exchange agreements related to the conversion of Brazilian *reals* into foreign currency and on the conversion of foreign currency into Brazilian *reals*.

Currently, as a general rule, IOF/FX is levied at the rate of 0.38%. There are, however, a number of exceptions to such general rule (as provided by Article 15-B of Decree no. 6,306, of December 14, 2007, as amended).

Foreign exchange transactions for the inflow of funds into Brazil in connection with investments made by foreign investors in the Brazilian financial and capital markets are currently subject to IOF/FX at a zero percent rate.

Foreign exchange transactions for the outflow of funds in connection with the return of investments made in the Brazilian financial and capital markets are also subject to IOF/FX at a zero percent rate. The same rate applies on the outflow of funds in

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connection with payments of dividends and interest on shareholders' equity made by Brazilian companies.

The Brazilian government is permitted to increase the rate of the IOF/FX at any time up to 25%. However, any increase in rates will only apply to transactions carried out after this increase in rates enters into force.

***Tax on Transactions Related to Bonds and Securities***

Brazilian law imposes a Tax on Transactions Related to Bonds and Securities ( IOF/Bonds ) due on transactions involving bonds and securities, including those carried out on a Brazilian stock exchange. Currently, IOF/Bonds is levied at the rate of 0% in most transactions involving common or preferred shares, including the transfer of shares traded in Brazilian stock exchanges with the specific purpose of enabling the issuance of depositary receipts to be traded outside Brazil.

The Brazilian government is allowed to increase the rate of the IOF/Bonds at any time up to 1.5% per day of the transaction amount. However, any increase in rates may only apply to transactions carried out after this increase in rates enters into force.

***Other Brazilian Taxes***

There are no specific Federal Brazilian inheritance, gift or succession taxes applicable to the ownership, transfer or disposition of common or preferred shares or ADRs, except for gift and inheritance taxes that may be imposed by Brazilian states. There are no Brazilian stamp, issue, registration, or similar taxes or duties payable by holders of common or preferred shares or ADRs.

**United States Tax Considerations**

**U.S. Federal Income Tax Considerations**

The following discussion summarizes the principal U.S. federal income tax considerations relating to the purchase, ownership and disposition of Preferred Shares or Preferred ADRs by a U.S. holder (as defined below) holding such shares or ADRs as capital assets (generally, property held for investment). This summary is based on the Internal Revenue Code of 1986, as amended (the Code ), Treasury regulations, administrative pronouncements of the U.S. Internal Revenue Service (the IRS ) and judicial decisions, all as in effect on the date hereof, and all of which are subject to change (possibly with retroactive effect) and to differing interpretations.. This summary does not the federal tax laws other than those pertaining to U.S. federal income taxation (such as estate or gift tax laws), nor does it address any aspects of U.S. state or local or non-U.S. taxation. U.S. holders are urged to consult their own tax advisers regarding such matters.

This summary does not purport to address all material U.S. federal income tax consequences that may be relevant to a U.S. holder of a Preferred Share or Preferred ADR, and does not take into account the specific circumstances of any particular investors, some of which (such as tax-exempt entities, banks or other financial institutions, insurance companies, broker-dealers, traders in securities that elect to use a mark-to-market method of accounting for their securities holdings, regulated investment companies, real estate investment trusts, U.S. expatriates, investors liable for the alternative minimum tax, partnerships and other pass-through entities, investors that own or are treated as owning 10% or more of the Company's voting stock, investors that hold the Preferred Shares or Preferred ADRs as part of a straddle, hedge, conversion or constructive sale transaction or other integrated transaction, and U.S. holders whose functional currency is not the U.S. dollar) may be subject to special tax rules.

As used herein, a "U.S. holder" is a beneficial owner of a Preferred Share or Preferred ADR that is, for U.S. federal income tax purposes, (i) a citizen or resident alien individual of the United States, (ii) a corporation (or an entity taxable as a corporation) created or organized under the laws of the United States, any State thereof or the District of Columbia, (iii) an estate, the income of which is subject to U.S. federal income tax without regard to its source, or (iv) a trust if (1) a court within the United States is able to exercise primary supervision over the administration of the trust, and one or more U.S. persons have the authority to control all substantial decisions of the trust, or (2) the trust has a valid election in effect under applicable Treasury regulations to be treated as a U.S. person. For purposes of this discussion, a "non-U.S. holder" is a beneficial owner of a Preferred Share or Preferred ADR that is not a U.S. holder or a partnership.

If a partnership (including for this purpose any entity treated as a partnership for U.S. federal income tax purposes) is a beneficial owner of a Preferred Share or Preferred ADR, the U.S. federal income tax treatment of a partner in the partnership generally will depend on the status of the partner and the activities of the partnership. A holder of a Preferred Share or Preferred ADR that is a partnership and partners in that partnership are urged to consult their own tax advisers regarding the U.S. federal income tax consequences of the purchase, ownership and disposition of Preferred Shares or Preferred ADRs.

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Nature of Preferred ADRs for U.S. Federal Income Tax Purposes

The following summary assumes that the representations contained in the deposit agreement among us, The Bank of New York Mellon, as depositary, and the holders and beneficial owners from time to time of ADRs issued thereunder are true and that the obligations in the deposit agreement and any related agreement will be complied with in accordance with their terms. In general, for U.S. federal income tax purposes, a holder of a Preferred ADR will be treated as the owner of the underlying Preferred Shares. Accordingly, except as specifically noted below, the tax consequences discussed below with respect to Preferred ADRs will be the same for Preferred Shares in the Company, and exchanges of Preferred Shares for Preferred ADRs, and Preferred ADRs for Preferred Shares, generally will not be subject to U.S. federal income tax.

For purposes of the following summary, any reference to Preferred Shares shall be understood to also include reference to the Preferred ADRs, unless otherwise noted.

Taxation of Distributions

U.S. holders

In general, subject to the passive foreign investment company ( PFIC ) rules discussed below, a distribution on a Preferred Share will constitute a dividend for U.S. federal income tax purposes to the extent that it is made from the Company's current or accumulated earnings and profits as determined under U.S. federal income tax principles (regardless of whether it is considered a dividend for Brazilian income tax purposes). If a distribution exceeds the amount of the Company's current and accumulated earnings and profits, it will be treated as a non-taxable reduction of basis to the extent of the U.S. holder's tax basis in the Preferred Share on which it is paid, and to the extent it exceeds that basis it will be treated as capital gain. The Company does not intend to calculate its earnings and profits under U.S. federal income tax principles. Therefore, a U.S. holder should expect that a distribution on a Preferred Share generally will be treated as a dividend even if that distribution would otherwise be treated as a non-taxable return of capital or as capital gain under the rules described above.

The gross amount of any dividend on a Preferred Share (which will include the amount of any Brazilian taxes withheld) generally will be subject to U.S. federal income tax as foreign source dividend income and will not be eligible for the corporate dividends received deduction. In the case of a Preferred Share, but not a Preferred ADR, the amount of a dividend paid in Brazilian currency will be its value in U.S. dollars based on the prevailing spot market exchange rate in effect on the day that the U.S. holder receives the dividend. In the case of a dividend received in respect of a Preferred ADR, the amount of a dividend paid in Brazilian currency will be its value in U.S. dollars based on the prevailing spot market exchange rate in effect on the date the Depositary receives it, whether or not the dividend is converted into U.S. dollars. A U.S. holder will have a tax basis in any distributed Brazilian currency equal to its U.S. dollar amount on the date of receipt, and any gain or loss realized on a subsequent conversion or other disposition of the Brazilian currency generally will be treated as U.S. source ordinary income or loss. If dividends paid in Brazilian currency are converted into U.S. dollars on the date they are received by a U.S. holder or the Depositary or its agent, as the case may be, the U.S. holder generally should not be required to recognize foreign currency gain or loss in respect of the dividend income. U.S. holders are urged to consult their own tax advisers regarding the treatment of any foreign currency gain or loss if any Brazilian currency received by the U.S. holder or the Depositary or its agent is not converted into U.S. dollars on the date of receipt.



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Subject to certain exceptions for hedged positions, any dividend that a non-corporate U.S. holder receives on a Preferred Share will generally be subject to a maximum Federal income tax rate of 20% if the dividend is a qualified dividend. A dividend on a Preferred Share will be a qualified dividend if (i) the Preferred Shares are readily tradable on an established securities market in the United States, (ii) the U.S. holder meets the holding period requirement for the Preferred Share (generally more than 60 days during the 121-day period that begins 60 days before the ex-dividend date), and (iii) the Company was not, in the year prior to the year the dividend was paid, and is not, in the year the dividend is paid, a passive foreign investment company ( PFIC ).

The Preferred ADRs are listed on the New York Stock Exchange and will qualify as readily tradable on an established securities market in the United States so long as they are so listed. Based on existing guidance, it is not entirely clear whether a dividend on a preferred share will be treated as a qualified dividend, because the preferred shares themselves are not listed on a U.S. exchange. As discussed below under PFIC Rules, the Company does not believe that it was a PFIC for U.S. federal income tax purposes for its 2016 taxable year, nor does it anticipate being classified as a PFIC in its current taxable year or future taxable years. Given that the determination of PFIC status involves the application of complex tax rules, and that it is based on the nature of the Company's income and assets from time to time, no assurances can be provided that the Company will not be considered a PFIC for the current (or any past or future) taxable year.

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The U.S. Treasury Department has announced its intention to promulgate detailed rules pursuant to which holders of stock of non-U.S. corporations, and intermediaries through whom the stock is held, will be permitted to rely on certifications from issuers to establish that dividends are treated as qualified dividends. Because those detailed procedures have not yet been issued, it is not clear whether the Company will be able to comply with them. Special limitations on foreign tax credits apply to dividends subject to the reduced rate of tax for qualified dividends. U.S. holders of Preferred Shares are urged to consult their own tax advisers regarding the availability of the reduced dividend tax rate in the light of their own particular circumstances.

Any Brazilian withholding tax will be treated as a foreign income tax eligible for credit against a U.S. holder's U.S. federal income tax liability, subject to generally applicable limitations under U.S. federal income tax law. For purposes of computing those limitations separately for specific categories of income, a dividend generally will constitute foreign source passive category income or, in the case of certain holders, general category income. A U.S. holder will be denied a foreign tax credit with respect to Brazilian income tax withheld from dividends received with respect to the underlying Preferred Shares to the extent the U.S. holder has not held the Preferred Shares for at least 16 days of the 31-day period beginning on the date which is 15 days before the ex-dividend date or to the extent the U.S. holder is under an obligation to make related payments with respect to substantially similar or related property. Any days during which a U.S. holder has substantially diminished its risk of loss on the Preferred Shares are not counted toward meeting the 16-day holding period required by the statute. Alternatively, any Brazilian withholding tax may be taken as a deduction against taxable income, provided the U.S. holder takes a deduction and not a credit for all foreign income taxes paid or accrued in the same taxable year. The rules relating to the determination of the foreign tax credit are complex, and U.S. holders are urged to consult with their own tax advisers to determine whether and to what extent they will be entitled to foreign tax credits as well as with respect to the determination of the foreign tax credit limitation.

U.S. holders should be aware that the IRS has expressed concern that parties to whom ADRs are transferred may be taking actions that are inconsistent with the claiming of foreign tax credits by U.S. holders of ADRs. Accordingly, the discussion above regarding the credibility of Brazilian withholding taxes could be affected by future actions that may be taken by the IRS.

### Non-U.S. holders

A dividend paid to a non-U.S. holder on a Preferred Share will not be subject to U.S. federal income tax unless the dividend is effectively connected with the conduct of trade or business by the non-U.S. holder within the United States (and, if an applicable income tax treaty so provides, is attributable to a permanent establishment or fixed base the non-U.S. holder maintains in the United States). A non-U.S. holder generally will be subject to tax on an effectively connected dividend in the same manner as a U.S. holder. A corporate non-U.S. holder may also be subject under certain circumstances to an additional branch profits tax, the rate of which may be reduced pursuant to an applicable income tax treaty.

### Taxation of Capital Gains

#### U.S. holders

Subject to the PFIC rules discussed below, on a sale or other taxable disposition of a Preferred Share, a U.S. holder will recognize capital gain or loss in an amount equal to the difference between the U.S. holder's adjusted basis in the Preferred Share and the amount realized on the sale or

other taxable disposition, each determined in U.S. dollars. Such capital gain or loss will be long-term capital gain or loss if at the time of the sale or other taxable disposition the Preferred Share has been held for more than one year. In general, any adjusted net capital gain of a non-corporate U.S. holder is subject to a maximum Federal income tax rate of 20%. The deductibility of capital losses is subject to limitations.

Any gain a U.S. holder recognizes generally will be U.S. source income for U.S. foreign tax credit purposes, and, subject to certain exceptions, any loss will generally be a U.S. source loss. If a Brazilian tax is withheld on a sale or other disposition of a Preferred Share, the amount realized will include the gross amount of the proceeds of that sale or other disposition before deduction of the Brazilian tax. The generally applicable limitations under U.S. federal income tax law on crediting foreign income taxes generally precludes a U.S. holder from obtaining a foreign tax credit for any Brazilian income tax withheld on a sale of a Preferred Share. Alternatively, any Brazilian withholding tax may be taken as a deduction against taxable income, provided the U.S. holder takes a deduction and not a credit for all foreign income taxes paid or accrued in the same taxable year. The rules relating to the determination of the foreign tax credit are complex, and U.S. holders are urged to consult with their own tax advisers regarding the application of such rules.

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Non-U.S. holders

A non-U.S. holder will not be subject to U.S. federal income tax on a gain recognized on a sale or other disposition of a Preferred Share unless (i) the gain is effectively connected with the conduct of trade or business by the non-U.S. holder within the United States (and, if an applicable income tax treaty so provides, is attributable to a permanent establishment or fixed base the non-U.S. holder maintains in the United States), or (ii) in the case of a non-U.S. holder who is an individual, the holder is present in the United States for 183 or more days in the taxable year of the sale or other taxable disposition and certain other conditions apply. Any effectively connected gain of a corporate non-U.S. holder may also be subject under certain circumstances to an additional branch profits tax, the rate of which may be reduced pursuant to an applicable income tax treaty.

PFIC Rules

A special set of U.S. federal income tax rules applies to a foreign corporation that is a PFIC for U.S. federal income tax purposes. Based on the Company's audited financial statements and relevant market and shareholder data, as well as the Company's current and projected income, assets and activities, the Company believes it was not a PFIC for U.S. federal income tax purposes for its 2016 taxable year, nor does it anticipate being classified as a PFIC in its current taxable year or future taxable years. However, because the determination of whether the Company is a PFIC is based upon the composition of its income and assets from time to time, and because there are uncertainties in the application of the relevant rules, it is possible that the Company will become a PFIC in a future taxable year (and no assurance can be provided that the Company will not be considered a PFIC for its current (or any past) taxable year).

If the Preferred Shares were shares of a PFIC for any taxable year, U.S. holders (including certain indirect U.S. holders) will generally be subject to adverse tax consequences, including the possible imposition of ordinary income treatment for gains or excess distributions (generally a distribution in excess of 125% of the average distributions received during the past three years or, if shorter, the U.S. holder's holding period) that would otherwise be taxed as capital gains or dividends, along with an interest charge on gains or excess distributions allocable to prior years in the U.S. holder's holding period during which the Company was determined to be a PFIC. If the Company is deemed to be a PFIC for a taxable year, dividends on a Preferred Share would not constitute qualified dividends subject to preferential rates of U.S. federal income taxation. In addition, if the Company is deemed to be a PFIC for a taxable year, U.S. holders would be subject to increased reporting requirements. U.S. holders are urged to consult their own tax advisers regarding the application of the PFIC rules.

Medicare Tax

A U.S. holder that is an individual or estate, or a trust that does not fall into a special class of trusts that is exempt from such tax, will be subject to a 3.8% tax on the lesser of (1) the United States holder's net investment income (or undistributed net investment income in the case of estates and trusts) for the relevant taxable year and (2) the excess of the United States holder's modified adjusted gross income for the taxable year over a certain threshold (which in the case of individuals will be between \$125,000 and \$250,000, depending on the individual's circumstances). A holder's net investment income will generally include its dividend income and its net gains from the disposition of the Preferred Shares, unless such dividend income or net gains are derived in the ordinary course of the conduct of a trade or business (other than a trade or business that consists of certain passive or trading activities). If you are a U.S. holder that is an individual, estate or trust, you are urged to consult your own tax advisor regarding the applicability of this Medicare tax to your income and gains in respect of your investment in our common stock.

Information Reporting and Backup Withholding

Under U.S. federal income tax law and the Treasury regulations, certain categories of U.S. holders must file information returns with respect to their investment in, or involvement in, a foreign corporation. For example, recently enacted legislation generally imposes new U.S. return disclosure obligations (and related penalties) on U.S. holders that hold certain specified foreign financial assets in excess of \$50,000. The definition of specified foreign financial assets includes not only financial accounts maintained in foreign financial institutions, but also, unless held in accounts maintained by a financial institution, any stock or security issued by a non-U.S. person, any financial instrument or contract held for investment that has an issuer or counterparty other than a U.S. person and any interest in a foreign entity. U. S. holders may be subject to these reporting requirements unless their Preferred Shares are held in an account at a domestic financial institution. Penalties for failure to file certain of these information returns are substantial. U.S. holders should consult with their own tax advisers regarding the requirements of filing information returns, and, if applicable, filing obligations relating to the PFIC rules.

Dividends paid on, and proceeds from the sale or other taxable disposition of, a Preferred Share to a U.S. holder generally may be subject to information reporting requirements and may be subject to backup withholding (currently at the rate of 28%) unless the U.S. holder provides an accurate taxpayer identification number or otherwise demonstrates that it is exempt. The amount of any backup withholding collected from a payment to a U.S. holder will be allowed as a credit against the U.S. holder's U.S. federal income tax liability and may entitle the U.S. holder to a refund, provided that certain required information is timely submitted to the IRS. A non-U.S. holder generally will be exempt from these information reporting requirements and backup withholding tax but may be required to comply with certain certification and identification procedures in order to establish its eligibility for exemption.

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**F. DIVIDENDS AND PAYING AGENTS**

Not applicable.

**G. STATEMENT BY EXPERTS**

Not applicable.

**H. DOCUMENTS ON DISPLAY**

The Company makes its filings in electronic form under the EDGAR filing system of the U.S. Securities and Exchange Commission. Its filings are available through the EDGAR system at [www.sec.gov](http://www.sec.gov). The Company's filings are also available to the public through the Internet at Gerdau's website at [www.gerdau.com](http://www.gerdau.com). Such filings and other information on its website are not incorporated by reference in this Annual Report. Interested parties may request a copy of this filing, and any other report, at no cost, by writing to the Company at the following address: Av. Farrapos, 1811 - Porto Alegre-RS - 90.220-005 - Brazil or calling 55-51-3323 2703 or by e-mail at [inform@gerdau.com.br](mailto:inform@gerdau.com.br). In compliance with New York Stock Exchange Corporate Governance Rule 303A.11, the Company provides on its website a summary of the differences between its corporate governance practices and those of U.S. domestic companies under the New York Stock Exchange listing standards.

**I. SUBSIDIARY INFORMATION**

Not applicable.

**ITEM 11. QUANTITATIVE AND QUALITATIVE DISCLOSURES REGARDING MARKET RISK**

Gerdau is exposed to various market risks, which involve the fluctuation of exchange rates and interest rates. The Company uses derivatives and other financial instruments to reduce the impact of such risks on its financial assets and liabilities or future cash flows and earnings. Gerdau has established policies to assess market risks and to approve the use of derivative financial instruments transactions related to those risks. The Company enters into derivative financial instruments to manage the above mentioned market risks and never for speculative purposes.

**Foreign Exchange Rate Risk**

This risk is related to the possibility of fluctuations in exchange rates affecting the value of the Company's financial assets and liabilities or future cash flows and earnings. The Company assesses its exposure to such risk by measuring the difference between the value of its assets and the value of its liabilities in foreign currency. The Company understands that its receivables originated from exports, its cash and cash equivalents denominated in foreign currencies and its investments abroad are more than equivalent to its liabilities denominated in foreign currency. Since the management of these exposures occurs at each operation level, if there is a mismatch between assets and liabilities denominated in foreign currency, the Company may employ derivative financial instruments in order to mitigate the effect of exchange rate fluctuations.

Foreign currency sensitivity analysis: as of December 31, 2016, the Company is mainly exposed to variations between the Brazilian *real* and US Dollar. The sensitivity analysis made by the Company considers the effects of an increase or a reduction of 5% between the Brazilian *real* and the US Dollar on debts that do not have hedge operations. The impact calculated considering such variation in the foreign exchange rate totals R\$ 253,294 thousands and R\$ 177,711 thousands after the effects of changes in the net investment hedge described in note 15.g, as of December 31, 2015 (R\$ 217,492 thousands and R\$ 114,735 thousands of December 31, 2015, respectively) and represents income if appreciation of the Brazilian *real* against the US Dollar occurs or an expense in the case of a depreciation of the Brazilian *real* against the US Dollar, however due to the investment hedge these effects would be mitigated when considered the income tax and exchange rate variance accounts.

The net amounts related to accounts receivable and accounts payable in foreign currency do not represent relevant risks related to exchange rates fluctuation.

#### **Interest rate risk**

This risk is related to the possibility of fluctuations in interest rates affecting the value of the Company's financial assets and liabilities or future cash flows and earnings. The Company assesses its exposure to such risk by (i) comparing financial assets and liabilities denominated in fixed and floating interest rates and (ii) monitoring the movements in interest rates, such as LIBOR and CDI. Therefore, the Company may enter into an interest rate swap in order to mitigate this risk.

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Interest rate sensitivity analysis: the interest rate sensitivity analysis made by the Company considers the effects of an increase or reduction of 10 basis point (bps) on the average interest rate applicable to the floating part of its debt. The impact calculated, considering this variation in the interest rate totals R\$ 63,416 thousands as of December 31, 2016 (R\$ 99,147 thousands as of December 31, 2015) and would impact the Financial expenses account in the Consolidated Statements of Income. The specific interest rates to which the Company is exposed are related to the loans, financing, and debentures presented in Notes 13 and 14, and are mainly comprised by Libor and CDI Interbank Deposit Certificate.

Commodity prices risk

This risk is related to the possibility of fluctuations in prices of products sold by the Company or in prices of raw material and other inputs used in the production process. Since the Company operates in a commodity market, its sales revenues and cost of sales may be affected by changes in the international prices of the products it sells or the raw materials it purchases. In order to minimize this risk, the Company constantly monitors the price variations in the domestic and international markets.

The sensitivity analysis made by the Company considers the effects of an increase or of a reduction of 1% on both prices. The impact measured considering this variation in the price of products sold, considering the net income and costs of the year ended on December 31, 2016, totals R\$ 376,517 thousands (R\$ 435,812 thousands as of December 31, 2015) and the variation in the price of raw materials and other inputs totals R\$ 228,637 thousands as of December 31, 2016 (R\$ 271,264 thousands as of December 31, 2015). The impact in the price of products sold and raw materials would be recorded in the accounts Net Sales and Cost of Sales, respectively, in the Consolidated Statements of Income. The Company does not expect to be more vulnerable to a change in one or more specific product or raw material.

Credit risk

This risk arises from the possibility of the Company not receiving amounts arising from sales to customers or investments made with financial institutions. In order to minimize this risk, the Company adopts the procedure of analyzing in detail the financial position of their customers, establishing a credit limit and constantly monitoring their balances. In relation to cash investments, the Company invests solely in financial institutions with low credit risk, as assessed by rating agencies. In addition, each financial institution has a maximum limit for investment, determined by the Company's Credit Committee.

Capital management risk

This risk comes from the Company's choice in adopting a financing structure for its operations. The Company manages its capital structure, which consists of a ratio between its financial debts and its own capital (Shareholders' Equity, retained earnings, and profit reserves) based on internal policies and benchmarks. The BSC (Balance Scorecard) methodology was used in the last 5 years to elaborate strategic maps with objectives and indicators of the main processes. The KPI's (Key Performance Indicators) related to the objective Capital Structure Management are: WACC (Weighted Average Cost of Capital), Total Indebtedness/EBITDA, Interest Coverage Ratio, and Indebtedness/Shareholders' Equity Ratio. Total Debt is composed of loans and financing (see Note 13 Consolidated Financial Statements) and debentures (see Note 14 -



Consolidated Financial Statements). The Company can change its capital structure depending on economic-financial conditions in order to optimize its financial leverage and its debt management. At the same time, the Company tries to improve its ROCE (Return on Capital Employed) by implementing a working capital management process and an efficient fixed asset investment program.

**Liquidity risk**

The Company's management policy of indebtedness and cash on hand is based on using the committed lines and the currently available credit lines with or without a guarantee in export receivables for maintaining adequate levels of short, medium, and long-term liquidity.

**ITEM 12. DESCRIPTION OF SECURITIES OTHER THAN EQUITY SECURITIES**

**A. DEBT SECURITIES**

Not applicable.

**B. WARRANTS AND RIGHTS**

Not applicable.

Table of Contents**C. OTHER SECURITIES**

Not applicable.

**D. AMERICAN DEPOSITARY SHARES**

On March 10, 1999, Gerdau S.A. obtained registration for the issuance of Level II ADRs, which began trading on the New York Stock Exchange the same day. Under the GGB symbol, these Level II ADRs are equivalent to one preferred share of Gerdau S.A (GGBR4).

J.P. Morgan Chase Bank, as depositary, has agreed to reimburse the Company for expenses it incurs that are related to the maintenance of the ADS program. The depositary has agreed to reimburse the Company for its continuing and annual stock exchange listing fees. It has also agreed to pay the standard out-of-pocket maintenance costs for the ADRs, and to reimburse the Company annually for certain investor relations programs or special promotional activities. In certain instances, the depositary has agreed to provide additional payments to the Company based on any applicable performance indicators relating to the ADR facility. There are limits on the amount of expenses for which the depositary will reimburse the Company, but the amount of reimbursement available to the Company is not necessarily tied to the amount of fees the depositary collects from investors. During calendar year 2016, the depositary reimbursed the Company in the amount of US\$ 1.3 million.

The depositary collects its fees for delivery and surrender of ADRs directly from investors depositing shares or surrendering ADRs for the purpose of withdrawal or from intermediaries acting for them. The depositary collects fees for making distributions to investors by deducting those fees from the amounts distributed or by selling a portion of distributable property to pay the fees. The depositary may collect its annual fee for depositary services by deduction from cash distributions or by directly billing investors or by charging the book-entry system accounts of participants acting for them.

The fees that ADR holders may be required to pay or incur are the following:

<b>Depository Service</b>	<b>Fee payable by ADR holder</b>
Transferring, splitting or grouping receipts	\$1.50 per transfer of ADRs
Depository services	\$0.05 or less per ADR
Withdrawal or deposit/issuance and cancellations of shares underlying ADRs	\$5.00 or less per 100 ADRs
Cash distributions	\$0.05 or less per ADR

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**PART II**

**ITEM 13. DEFAULTS, DIVIDEND ARREARAGES AND DELINQUENCIES**

Not applicable.

**ITEM 14. MATERIAL MODIFICATIONS TO THE RIGHTS OF SECURITY HOLDERS AND USE OF PROCEEDS**

Not applicable.

**ITEM 15. CONTROLS AND PROCEDURES**

**Disclosure control and procedures**

The Company has established disclosure controls and procedures to ensure that the information required to be disclosed by the Company in the reports that it files or submits under the Securities Exchange Act of 1934 as amended (the Exchange Act) is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms. And such information is accumulated and made known to the officers who certify the Company's financial reports and to other members of senior management and the Disclosure Committee as appropriate to allow timely decisions regarding required disclosure.

A control system, no matter how well designed and operated, can only provide reasonable, not absolute, assurance that the objectives of the control system will be met. Based on their evaluation as of December 31, 2016, the Chief Executive Officer and the Chief Financial Officer of the Company have concluded that the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended) are effective at a reasonable assurance level.

The Disclosure Committee is composed of the Chief Executive Officer, Andre Bier Gerdau Johannpeter, the Chief Financial Officer and Executive Vice President, Harley Lorentz Scardoelli, the Legal Director, Andre Areno, the Accounting Director Clemir Uhlein and the Corporate Communication & Public Affairs Director, Renato Gasparetto Junior. This Committee oversees and reviews all materials for which there is a legal disclosure requirement, together with all data required to support the documents mentioned above. This committee meets at regular intervals in order to review all data.

There have been no significant changes in the Company's internal controls or in other factors that could significantly affect these controls subsequent to the date of their most recent evaluation.

Please see Exhibit 12.01 and 12.02 for the certifications required by this Item.

**Management's Annual Report on Internal Controls over Financial Reporting**

The management of Gerdau S.A. is responsible for establishing and maintaining adequate internal control over Financial Reporting as defined in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934. The internal controls are designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. 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.

Management has documented and evaluated the effectiveness of the internal control over Financial Reporting of the Company as of December 31, 2016, in accordance with the criteria established in the Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ( COSO ). Based on the above evaluation, management has concluded that the Company maintained effective internal control over financial reporting as of December 31, 2016.

PricewaterhouseCoopers Auditores Independentes, an independent registered certified public accounting firm, has audited and issued their report on the consolidated financial statements of the Company and the effectiveness of the Company's internal controls over financial reporting, which appears herein.

**ITEM 16. [RESERVED]**

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**ITEM 16A. AUDIT COMMITTEE FINANCIAL EXPERT**

The Shareholder's General Meeting has determined that Bolívar Charneski, a member of its Board of Auditors, is a financial expert and independent within the meaning of the SEC rules applicable to disclosure of such expertise.

**ITEM 16B. CODE OF ETHICS**

In 2011, Gerdau S.A. integrated its three previous codes - Gerdau Ethical Guidelines, Gerdau Ameristeel's Code of Ethics and Business Conduct and Gerdau Ameristeel Code of Ethics for Senior Executives - into one single Code of Ethics applicable to all of Gerdau's business units around the world and periodically revised to improve suitability, adequacy and effectiveness as appropriate.

The provisions of the Code are thus binding on Gerdau's Chief Executive Officer, Chief Financial Officer, Chief Accounting Officer, Compliance Officer and other persons performing similar functions.

The Code of Ethics is focused on the ethics and compliance issues most important to a publicly-held company and meets all applicable legal requirements.

The code is organized according to the Company's values which are: (a) Be the Customer's choice, (b) Safety above all, (c) Respected, engaged and fulfilled Employees, (d) Pursuing excellence with simplicity, (e) Focus on results, (f) Integrity with all stakeholders and, (g) Economic, social and environmental sustainability.

The code instructs all employees to follow a number of steps when reporting suspected breaches or violations with no fear of demotion, reprisal or retaliation. The company has implemented an Ethics Helpline to which all employees may refer in the case of any violations of the code, assuring confidentiality, anonymity and two-way communication for any needed follow-up.

The purpose and the contents of the current Code of Ethics have been made public to all employees and board of directors and have been the object of periodically in-company training.

In the same manner as the three previous codes mentioned in the first paragraph, the actual Code of Ethics meets the definition contemplated by applicable SEC and New York Stock Exchange rules, covering wrongdoing related to business conduct, conflicts of interest, disclosure in reports and other documents, as well as compliance with legislation.

The Gerdau Code of Ethics is filed herewith as exhibit 11.01 and also may be accessed through our Internet website ([www.gerdau.com](http://www.gerdau.com)).

The Company did not grant any waiver from the Code provisions in the last fiscal year.

#### ITEM 16C. PRINCIPAL ACCOUNTANT FEES AND SERVICES

The following table provides information on fees billed to Gerdau for professional services rendered by the external auditors responsible for auditing the financial statements included in this Annual Report (in thousands of Brazilian Reais) which were PricewaterhouseCoopers for the year ended December 31, 2016 and 2015:

	2016	2015
Audit fees	14,368	13,673
Audit-related fees	290	1,720
All other fees	74	787
<b>Total</b>	<b>14,732</b>	<b>16,180</b>

Audit fees are related to professional services rendered in the auditing of Gerdau's consolidated financial statements, quarterly reviews of Gerdau's consolidated financial statements and statutory audits and interim reviews of certain of the Company's subsidiaries and affiliates as required by the appropriate legislation. Those amounts also include fees related to the audit of internal controls over financial reporting of Gerdau and of Gerdau Ameristeel.

Audit-related fees are for assurance and related services, such as due diligence services traditionally performed by an external auditor related to acquisitions, as well as consulting on accounting standards and transactions.

Other fees are mainly related to services provided to subsidiaries relating to tax compliance and tax services.

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**ITEM 16D. EXEMPTIONS FROM THE LISTING STANDARDS FOR AUDIT COMMITTEES**

On April 28, 2005, the Company elected its Board of Auditors duly adapted to ensure compliance with the Sarbanes-Oxley Act requirements and exemptions from the listing standards. The Board of Auditors ( Conselho Fiscal ) has been operating in accordance with Brazilian Corporate Law 6,404/76, since April 2000. The customary role of this board is to monitor and verify the actions of company directors and executive officers and the compliance with their legal duties, providing opinions and official statements on the annual management report and the proposals of members of the Board of Directors, denouncing errors or fraud, calling meetings whenever necessary and analyzing financial statements. In establishing a permanent Board of Auditors, the Company has availed itself of paragraph (c)(3) of Rule 10A-3 of the U.S. Securities Exchange Act of 1934, as amended, which provides a general exemption from the audit committee requirements for a foreign private issuer (such as the Company) with a board of auditors, subject to certain requirements which continue to be applicable under Rule 10A-3.

NYSE rules require that listed companies have an audit committee that (i) is composed of a minimum of three independent directors who are all financially literate, (ii) meets the SEC rules regarding audit committees for listed companies, (iii) has at least one member who has accounting or financial management expertise and (iv) is governed by a written charter addressing the committee's required purpose and detailing its required responsibilities. However, as a foreign private issuer, the Company needs only to comply with the requirement that the audit committee, or Board of Auditors in its case, meet the SEC rules regarding audit committees for listed companies. The Brazilian Corporate Law requires companies to have a non-permanent Board of Auditors composed of three to five members who are elected by the shareholders at the Ordinary General Meeting of Shareholders. The Board of Auditors operates independently from management and from a company's external auditors. Its main function is to monitor the activities of the management of the company, examine the financial statements of each fiscal year and provide a formal report to its shareholders.

The Company has a permanent Board of Auditors that consists of three up to five members and three up to five alternates and which has ordinary meetings every two months. The members of the Gerdau S.A.'s Board of Auditors are all financially literate and one member has accounting expertise that qualifies him as an audit committee financial expert. Gerdau S.A. believes that its Board of Auditors, as modified, meets the requirements for the exemption available to foreign private issuers under the SEC rules regarding audit committees of listed companies. In addition, the Board of Auditors operates under a written charter and which the Gerdau S.A. believes meets the NYSE's requirements for audit committee charters. The Board of Auditors is not the equivalent of, or wholly comparable to, a U.S. audit committee. Among other differences, it is not required to meet the standards of independence established in Rule 10A-3 and is not fully empowered to act on matters that are required by Rule 10A-3 to be within the scope of an audit committee's authority. Nonetheless, with the duties that have been provided to the Board of Auditors to the extent permitted by Brazilian law, Gerdau S.A. believes that its current corporate governance system, taken as a whole, including the ability of the Board of Auditors to consult internal and external experts, is fully equivalent to a system having an audit committee functioning as a committee of its Board of Directors. For a further discussion of its Board of Auditors, see Item 6C. Board Practices - Board of Auditors.

The Board of Auditors members are elected at the Ordinary Shareholders' Meeting for one-year terms. They are eligible for reelection. In Gerdau S.A. the Board of Auditors consists of five members and five alternates. As required by Brazilian law, members of the Board of Auditors must have college graduation or held office for at least three years as business administrators or as members of boards of auditors. The Board of Auditors, at the request of any of its members, may ask the external auditors to provide explanations or information and to investigate specific facts.

**ITEM 16E. PURCHASES OF EQUITY SECURITIES BY THE ISSUER AND AFFILIATED PURCHASERS**

On August 9, 2016, the Board of Directors of Gerdau S.A. met in accordance with statutory requirements and the terms of CVM Instruction 10/80 and 268/97 of the Securities and Exchange Commission of Brazil (CVM) and authorize the acquisition of preferred shares issued by it to remain in treasury for the Company's Long Term Incentive Program.

These acquisitions were carried out using cash funds of existing profit reserves up to the adjusted limit of 10,000,000 preferred shares (of which 9,000,000 were preferred shares (GGBR4) and 1,000,000 were ADRs), which represented approximately 1.13% of the preferred-share free float.

The Board of Director's authorization remained in force for 30 days, from August 11, 2016 to September 12, 2016. The transaction was conducted through the stock exchanges in São Paulo and New York, at market prices, with the intermediation of the following brokers:

- Itaú Corretora de Valores S.A.
- Bradesco S.A. Corretora de Títulos e Valores Mobiliários
- Merrill Lynch Pierce Fenner and Smith Inc.



Table of Contents**Purchases by the Issuer of Equity Securities**

	Total Number of Shares Purchased	Average Price Paid per Share (in R\$)	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number of Shares that May Still Be Purchased Under the Plans or Programs
<b>August (08/11/2016 – 08/17/2016)</b>	10,000,000	9.55	100%	
<b>TOTAL</b>	<b>10,000,000</b>	<b>9.55</b>	<b>100%</b>	

**ITEM 16F. CHANGE IN REGISTRANT'S CERTIFYING ACCOUNTANT.**

In accordance with Rule 549/08 of the CVM (Brazilian Securities and Exchange Commission) that requires auditor rotation in the ordinary course of 5 years, KPMG Auditores Independentes ( KPMG ) replaced PricewaterhouseCoopers Auditores Independentes ( PwC ) as our independent registered public accounting firm for the fiscal years starting January 1, 2017. The change in auditors was made pursuant to this Rule that limits the consecutive terms that certain service providers may serve. Because of the limitations set forth in this Rule, we did not seek to renew PwC's contract when it expired and PwC could not attempt to stand for reelection. The replacement of PwC by KPMG was approved by our Board of Directors and Audit Committee on February 21, 2017. PwC is engaged as our auditor for the fiscal year ended December 31, 2016 until the filing of this Form 20-F with the U.S. Securities and Exchange Commission.

PwC audited our financial statements for the fiscal years ended December 31, 2016 and December 31, 2015. None of the reports of PwC on our financial statements for either of such fiscal years contained an adverse opinion or disclaimer of opinion, or was qualified or modified as to uncertainty, audit scope or accounting principles. During these years and until its contract expired, there were no disagreements with PwC, whether or not resolved, on any matter of accounting principles or practices, financial statement disclosure, or auditing scope or procedure, which, if not resolved to PwC's satisfaction, would have caused it to make reference to the subject matter of the disagreement in connection with any reports it would have issued, and there were no reportable events as that term is defined in Item 16F(a)(1)(v) of Form 20-F and Item 304(a)(1)(v) of Regulation S-K. PwC did not audit, or perform a review of, any of our financial statements for any period subsequent to December 31, 2016.

We have provided PwC with a copy of the foregoing disclosure, and have requested that they furnish us with a letter addressed to the Securities and Exchange Commission stating whether or not it agrees with such disclosure. We are including as Exhibit 15.1 to this Form 20-F a copy of the letter from PwC as required by Item 16F(a)(3) of Form 20-F.

During the fiscal years ended December 31, 2016 and December 31, 2015, we did not consult with KPMG regarding the application of accounting principles to a specific completed or contemplated transaction or regarding the type of audit opinion that might be rendered by KPMG on our financial statements. Further, KPMG did not provide any written or oral advice that was an important factor considered by us in reaching a decision as to any such accounting, auditing or financial reporting or any matter being the subject of disagreement or reportable event or any other matter as defined in Item 16F(a)(2) of Form 20-F and Item 304(a)(2) of Regulation S-K.

**ITEM 16G. CORPORATE GOVERNANCE**

Under the Corporate Governance Rules of the New York Stock Exchange, currently in effect, Gerdau S.A. is required to disclose any significant ways in which its corporate governance practices differ from those required to be followed by domestic companies under NYSE listing standard. These significant differences are summarized below.

The Company is permitted to follow practice in Brazil in lieu of the provisions of the Corporate Governance Rules, except that it is required to avail itself of an appropriate exemption to the requirement to have a qualifying audit committee under Section 303A.06 of the Rules and its Chief Executive Officer is obligated, under Section 303A.12(b), to promptly notify the NYSE in writing after any of its executive officers becomes aware of any material non-compliance with any applicable provisions of the Corporate Governance Rules.

Majority of Independent Directors: Under NYSE Rule 303A.01 domestic listed companies must have a majority of independent directors. The Company does not have a similar requirement under Brazilian practice and does not have a majority of independent directors serving on its board of directors, even though the majority of the members are non-management directors.

Separate meetings of non-management directors: Under NYSE Rule 303A.03, the non-management directors of each domestic listed company must meet at regularly scheduled executive sessions without management. Gerdau does not have a similar requirement under Brazilian practice, but non-management directors meet separately once a year to assess management performance.

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Nominating/corporate governance committee: Under NYSE Rule 303A.04, a domestic listed company must have a nominating/corporate governance committee composed entirely of independent directors. While the Company is not required to have such a committee under Brazilian law, it has a Corporate Governance Committee that is composed by a majority of independent directors. The purpose of this Committee is to provide its views to the board in respect of the best practices in Corporate Governance.

Compensation Committee: Under NYSE Rule 303A.05, a domestic listed company must have a compensation committee composed entirely of independent directors. Gerdaul is not required to have such a committee under Brazilian practice. It has established a Remuneration and Succession Committee to advise the full Board on employee and executive compensation and recruitment, incentive-compensation plans and related matters, but such committee does not have a separate charter and is composed by a majority of independent directors. Its full Board of Directors otherwise is directly responsible for employee and executive compensation and recruitment, incentive-compensation and related matters.

Audit Committee: Under NYSE Rule 303A.06 and the requirements of Rule 10A-3 of the Securities and Exchange Commission, domestic listed companies are required to have an audit committee consisting entirely of independent directors that otherwise complies with Rule 10A-3. In addition, the audit committee must have a written charter that addresses the matters outlined in NYSE Rule 303A.06(c), has an internal audit function and otherwise fulfills the requirements of the NYSE and Rule 10A-3. There is no requirement for an audit committee under Brazilian law and there are features of Brazilian law that require adaptation of the independent audit committee rule to local practice, as permitted by NYSE Rule 303A.06 and Rule 10A-3. Gerdaul has a board of auditors (conselho fiscal) that currently performs certain of the functions prescribed for the audit committee, although the scope of its duties is not entirely compatible with the requirements of U.S. law and the NYSE rules. The Company has adapted its corporate governance practices and the functions of the board of auditors (with certain limitations due to Brazilian corporate law that qualify for an exemption as authorized by the SEC) to assure compliance with the requirements of the NYSE Rule and Rule 10A-3. See Item 6C.- Board Practices-Board of Auditors and Item 16D.- Exemption from the Listing Standards for Audit Committees.

Equity Compensation Plans: Under NYSE Rule 303A.08, shareholders must be given the opportunity to vote on all equity-compensation plans and material revisions thereto, with certain limited exemptions as described in the Rule. The General Shareholders' meeting held on April 30, 2003 approved the establishment by the Board of a stock option plan for executives. Any material changes to such plan, or a new or different plan if established, would require the favorable vote of holders of the common shares of the Company. Holders of preferred shares, including holders of Gerdaul's ADSs, would not have the opportunity to vote on such a plan or any revisions thereto.

Corporate governance guidelines: Under NYSE Rule 303A.09, domestic listed companies must adopt and disclose their corporate governance guidelines. Gerdaul does not have a similar requirement under Brazilian law, although it does establish operating principles for its executive management and it observes the requirements of Instruction 358 of the Brazilian Securities Commission (CVM) concerning trading in its shares. In addition, it has adhered to the Level I

listing standards of the BOVESPA.

Code of Business Conduct and Ethics: Under NYSE Rule 303A.10, domestic listed companies must adopt and disclose a code of business conduct and ethics for directors, officers and employees and promptly disclose any waivers of the code for directors or executive officers. Gerdau has a similar requirement under Brazilian law and it has adopted a code of ethics that applies to its directors, officers and employees. For more information regarding the Code of Ethics please see item 16B. Code of Ethics.

Further information concerning Gerdau's corporate governance practices and applicable Brazilian law is available on the Company's website, in its submissions to the U.S. Securities and Exchange Commission. The Company has also voluntarily adhered to the Level I listing standards of the Sao Paulo Stock Exchange (BOVESPA) on which its shares are traded, which impose heightened standards of disclosure, transparency and corporate governance on Gerdau.

#### **ITEM 16H. MINE SAFETY DISCLOSURE**

Not applicable as none of our mines are located in the United States and, therefore, not subject to the Federal Mine Safety and Health Act of 1977 or the Mine Safety and Health Administration.

### **PART III**

#### **ITEM 17. FINANCIAL STATEMENTS**

The Company has responded to Item 18 in lieu of responding to this item.

#### **ITEM 18. FINANCIAL STATEMENTS**

Reference is made to Item 19 for a list of all financial statements filed as part of this Annual Report.

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**ITEM 19. FINANCIAL STATEMENTS AND EXHIBITS**

**(a) Financial Statements**

<u>Report of independent registered public accounting firm</u>	<b>Page</b> F-2
<u>Consolidated balance sheets on December 31, 2016 and 2015</u>	F-3
<u>Consolidated statements of income for the years ended December 31, 2016, 2015 and 2014</u>	F-5
<u>Consolidated statements of comprehensive income for the years ended December 31, 2016, 2015 and 2014</u>	F-6
<u>Consolidated statements of changes in equity for the years ended December 31, 2016, 2015 and 2014</u>	F-7
<u>Consolidated statement of cash flow for the years ended December 31, 2016, 2015 and 2014</u>	F-8
<u>Notes to consolidated financial statements for the years ended December 31, 2016, 2015 and 2014</u>	F-9

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**(b) List of Exhibits**

1.01	Bylaws of Gerdau S.A.*****
2.(a)(1)	Corporate Governance Level 1 BOVESPA**
2.(a)(2)	Deposit Agreement dated July 1, 2013, among the Company, the JPMORGAN CHASE BANK, N.A., as Depositary and all holders from time to time of American Depositary Receipts issued thereunder. *
2(b)(1)	The Company agrees to furnish to the Commission upon its request any instrument relating to long-term debt issued by the Company or any subsidiary where the total amount of securities authorized under that instrument does not exceed 10% of the Company's consolidated assets.
4.01	Gerdau SA Equity Incentive Plan, Equity Ownership Plan and Long-Term Incentive Plan (for Gerdau Ameristeel)***
4.02	Gerdau Special Steel North America Equity Incentive Plan****
11.01	Code of Ethics*****
12.01	Certification of the Chief Executive Officer under Item 15
12.02	Certification of the Chief Financial Officer under Item 15
13.01	Certification pursuant to 18 U.S.C. Section 1350
13.02	Certification pursuant to 18 U.S.C. Section 1350
15.01	Change in Registrant's Certifying Accountant
23.01	Consent of PricewaterhouseCoopers Auditores Independentes

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\* Incorporated by reference to the Company's Registration Statement on Form F-6 (File No. 333-189475), filed with the Securities and Exchange Commission on June 20, 2013.

\*\*Incorporated by reference to Exhibit 2(a)(1) to the Company's Annual Report on Form 20-F (File No. 001-14878), filed with the Securities and Exchange Commission on April 23, 2012

\*\*\* Incorporated by reference to the Company's Registration Statement on Form S-8 (File No. 333-171217) filed with the Securities and Exchange Commission on December 16, 2010.

\*\*\*\* Incorporated by reference to the Company's Registration Statement on Form S-8 (File No. 333-179182) filed with the Securities and Exchange Commission on January 26, 2012.

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\*\*\*\*\* Incorporated by reference to Exhibit 11.01 to the Company's Annual Report on Form 20-F (File No. 001-14878), filed with the Securities and Exchange Commission on April 23, 2012.

\*\*\*\*\* Incorporated by reference to Exhibit 11.01 to the Company's Annual Report on Form 20-F (File No. 001-14878), filed with the Securities and Exchange Commission on April 23, 2012.

\*\*\*\*\* Incorporated by reference to Exhibit 11.01 to the Company's Annual Report on Form 20-F (File No. 001-14878), filed with the Securities and Exchange Commission on March 24, 2014.

This certification will not be deemed filed for purposes of Section 18 of the Act (15 U.S.C. 78r), or otherwise subject to the liability of that section. Such certification will not be deemed to be incorporated by reference into any filing under the Securities Act or the Exchange Act, except to the extent that the Registrant specifically incorporates it by reference.

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**SIGNATURES**

The registrant hereby certifies that it meets all of the requirements for filing Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

**GERDAU S.A.**

By:	/s/ André Bier Gerdau Johannpeter
Name:	André Bier Johannpeter
Title:	Chief Executive Officer

By:	/s/ Harley Lorentz Scardoelli
Name:	Harley Lorentz Scardoelli
Title:	Chief Financial Officer

Dated: March 14, 2017



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**GERDAU S.A.**

Consolidated financial statements

as of December 31, 2016 and 2015

and for each of the three years in the period

ended December 31, 2016

prepared in accordance with International Financial Reporting Standards ( IFRS ) as issued by the International Accounting Standards Board  
IASB

and Reports of Independent Registered Public Accounting Firms

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**Report of Independent Registered Public Accounting Firm**

To the Board of Directors and Stockholders of

Gerdau S.A.

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income/(loss), of comprehensive income/(loss), of changes in equity and of cash flows present fairly, in all material respects, the financial position of Gerdau S.A. and its subsidiaries at December 31, 2016 and December 31, 2015, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2016 in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2016, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Annual Report on Internal Controls over Financial Reporting appearing under Item 15 of the Company's Annual Report on Form 20-F. Our responsibility is to express opinions on these financial statements and on the Company's internal control over financial reporting based on our integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. 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. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

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 generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) 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.

/s/PricewaterhouseCoopers  
Auditores Independentes  
Porto Alegre, Brazil, March 14, 2017



Table of Contents**GERDAU S.A.****CONSOLIDATED BALANCE SHEETS**

as of December 31, 2016 and 2015

In thousands of Brazilian reais (R\$)

	Note	2016	2015
<b>CURRENT ASSETS</b>			
Cash and cash equivalents	4	5,063,383	5,648,080
Short-term investments			
Held for Trading	4	1,024,411	1,270,760
Trade accounts receivable - net	5	3,576,699	4,587,426
Inventories	6	6,332,730	8,781,113
Tax credits	7	504,429	673,155
Income and social contribution taxes recoverable		623,636	724,843
Unrealized gains on financial instruments	15	2,557	37,981
Other current assets		668,895	454,140
		17,796,740	22,177,498
<b>NON-CURRENT ASSETS</b>			
Tax credits	7	56,703	77,990
Deferred income taxes	8	3,407,230	4,307,462
Unrealized gains on financial instruments	15	10,394	5,620
Related parties	18	57,541	54,402
Judicial deposits	17	1,861,784	1,703,367
Other non-current assets		447,260	490,583
Prepaid pension cost	19	56,797	140,388
Investments in associate and jointly-controlled entities	9	798,844	1,392,882
Goodwill	11	9,470,016	15,124,430
Other Intangibles	12	1,319,941	1,835,761
Property, plant and equipment, net	10	19,351,891	22,784,326
		36,838,401	47,917,211
<b>TOTAL ASSETS</b>		54,635,141	70,094,709

The accompanying notes are an integral part of these Consolidated Financial Statements.

Table of Contents**GERDAU S.A.****CONSOLIDATED BALANCE SHEETS**

as of December 31, 2016 and 2015

In thousands of Brazilian reais (R\$)

	Note	2016	2015
<b>CURRENT LIABILITIES</b>			
Trade accounts payable		2,743,818	3,629,788
Short-term debt	13	4,458,220	2,387,237
Taxes payable	16	341,190	349,674
Income and social contribution taxes payable		74,458	140,449
Payroll and related liabilities		464,494	480,430
Employee benefits	19	409	18,535
Environmental liabilities	20	17,737	27,736
Unrealized losses on financial instruments	15	6,584	
Other current liabilities		514,599	829,182
		8,621,509	7,863,031
<b>NON-CURRENT LIABILITIES</b>			
Long-term debt	13	15,959,590	23,826,758
Debentures	14	165,423	246,862
Related parties	18		896
Deferred income taxes	8	395,436	914,475
Provision for tax, civil and labor liabilities	17	2,239,226	1,904,730
Environmental liabilities	20	66,069	136,070
Employee benefits	19	1,504,394	1,687,486
Obligations with FIDC	21	1,007,259	853,252
Other non-current liabilities		401,582	690,766
		21,738,979	30,261,295
<b>EQUITY</b>			
	22		
Capital		19,249,181	19,249,181
Treasury stocks		(98,746)	(383,363)
Capital reserves		11,597	11,597
Retained earnings		3,763,207	6,908,059
Operations with non-controlling interests		(2,873,335)	(2,877,488)
Other reserves		3,976,232	8,777,815
EQUITY ATTRIBUTABLE TO THE EQUITY HOLDERS OF THE PARENT		24,028,136	31,685,801
<b>NON-CONTROLLING INTERESTS</b>			
		246,517	284,582
<b>EQUITY</b>			
		24,274,653	31,970,383
<b>TOTAL LIABILITIES AND EQUITY</b>			
		54,635,141	70,094,709

The accompanying notes are an integral part of these Consolidated Financial Statements.



Table of Contents**GERDAU S.A.****CONSOLIDATED STATEMENTS OF INCOME/(LOSS)**

for the years ended December 31, 2016, 2015 and 2014

In thousands of Brazilian reais (R\$), except earnings/(loss) per share

	Note	2016	2015	2014
<b>NET SALES</b>	24	37,651,667	43,581,241	42,546,339
Cost of sales	29	(34,187,941)	(39,290,526)	(37,406,328)
<b>GROSS PROFIT</b>		3,463,726	4,290,715	5,140,011
Selling expenses	29	(710,766)	(785,002)	(691,021)
General and administrative expenses	29	(1,528,262)	(1,797,483)	(2,036,926)
Other operating income	29	242,077	213,431	238,435
Other operating expenses	29	(114,230)	(116,431)	(150,542)
Impairment of assets	28	(2,917,911)	(4,996,240)	(339,374)
Results in operations with subsidiaries, associate and jointly-controlled entity	3.4	(58,223)		636,528
Equity in earnings of unconsolidated companies	9	(12,771)	(24,502)	101,875
<b>INCOME (LOSS) BEFORE FINANCIAL INCOME (EXPENSES) AND TAXES</b>		(1,636,360)	(3,215,512)	2,898,986
Financial income	30	252,045	378,402	276,249
Financial expenses	30	(2,010,005)	(1,780,366)	(1,397,375)
Exchange variations, net	30	851,635	(1,564,017)	(476,367)
Gain and losses on financial instruments, net	30	(38,930)	87,085	36,491
<b>INCOME (LOSS) BEFORE TAXES</b>		(2,581,615)	(6,094,408)	1,337,984
Current	8	(110,511)	(158,450)	(571,926)
Deferred	8	(193,803)	1,656,872	722,315
Income and social contribution taxes	8	(304,314)	1,498,422	150,389
<b>NET INCOME (LOSS)</b>		(2,885,929)	(4,595,986)	1,488,373
<b>ATTRIBUTABLE TO:</b>				
Owners of the parent		(2,890,811)	(4,551,438)	1,402,873
Non-controlling interests		4,882	(44,548)	85,500
		(2,885,929)	(4,595,986)	1,488,373
Basic earnings/(loss) per share - preferred and common - (R\$)	23	(1.70)	(2.69)	0.82
Diluted earnings/(loss) per share - preferred and common - (R\$)	23	(1.70)	(2.69)	0.82

The accompanying notes are an integral part of these Consolidated Financial Statements.



Table of Contents**GERDAU S.A.****CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME/(LOSS)**

for the years ended December 31, 2016, 2015 and 2014

In thousands of Brazilian reais (R\$)

	2016	2015	2014
<b>Net income (loss) for the year</b>	<b>(2,885,929)</b>	<b>(4,595,986)</b>	<b>1,488,373</b>
<b>Items that may be reclassified subsequently to profit or loss</b>			
Other comprehensive income/(loss) from associate and jointly-controlled entities	(251,195)	417,961	81,015
Cumulative translation adjustment	(5,036,586)	8,835,306	1,839,739
Recycling of cumulative translation adjustment to net income	(1,237,175)		
Unrealized gains/(losses) on net investment hedge	1,679,312	(3,613,178)	(948,991)
Cash flow hedges			
Unrealized gains	212	17,283	53,999
Realized loss			(59,988)
	(4,845,432)	5,657,372	965,774
<b>Items that will not be reclassified subsequently to profit or loss</b>			
Remeasurement on defined benefit pension plan	(42,181)	32,962	(78,678)
	(42,181)	<b>32,962</b>	<b>(78,678)</b>
<b>Other comprehensive income/(loss), net of tax</b>	<b>(4,887,613)</b>	<b>5,690,334</b>	<b>887,096</b>
<b>Total comprehensive income/(loss) for the year, net of tax</b>	<b>(7,773,542)</b>	<b>1,094,348</b>	<b>2,375,469</b>
<b>Total comprehensive income/(loss) attributable to:</b>			
Owners of the parent	(7,743,624)	1,035,164	2,248,178
Non-controlling interests	(29,918)	59,184	127,291
	<b>(7,773,542)</b>	<b>1,094,348</b>	<b>2,375,469</b>

The items in the statement of comprehensive income/(loss) are presented net of taxes, where applicable. The tax effects of these items are presented in note 8.

The accompanying notes are an integral part of these Consolidated Financial Statements.

## GERDAU S.A.

## CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

for the years ended December 31, 2016, 2015 and 2014  
in thousands of Brazilian reais (R\$)

	Attributed to parent company's interest						Retained earnings	Operations with non-controlling interests	Gains and losses on net investment hedge	Other reserves			
	Capital	Treasury Stocks	Capital Reserve	Legal reserve	Tax Incentives Reserve	Investments and working capital reserve				Gains and losses on financial instruments	Cumulative translation adjustment	Pension Plan	Stock Options
<b>Balance as of January 1, 2014 (Note 22)</b>	19,249,181	(238,971)	11,597	558,084	560,405	9,620,293		(1,732,962)	(1,525,652)	4,901	3,994,567	(266,030)	103,817
<b>2014 Changes in Equity</b>													
Net income							1,402,873						
Other comprehensive income (loss) recognized in the year									(947,201)	(5,824)	1,880,147	(81,817)	
Total comprehensive income (loss) recognized in the year													
Stock option expenses recognized in the year							1,402,873		(947,201)	(5,824)	1,880,147	(81,817)	34,817
Stock option exercised during the year		5,829				(698)							
Effects of interest changes in subsidiaries													
Destination of net income proposed to the shareholders				70,144	51,126	855,462	(976,732)						
Dividends/interest on capital							(426,141)						
Supplementary dividend							(12)						
<b>Balance as of December 31, 2014 (Note 22)</b>	19,249,181	(233,142)	11,597	628,228	611,531	10,475,045		(1,732,962)	(2,472,853)	(923)	5,874,714	(347,847)	138,634
<b>2015 Changes in Equity</b>													
Net loss							(4,551,438)						
Other comprehensive income (loss) recognized in the year									(3,610,435)	17,007	9,147,164	32,866	
Total comprehensive income (loss)													
							(4,551,438)		(3,610,435)	17,007	9,147,164	32,866	

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recognized in the  
year

Supplementary  
dividend

944

Stock option  
expenses

recognized in the  
year

Treasury stocks (186,033)

Stock option  
exercised during  
the year

35,812

(3,275)

Effects of interest  
changes in  
subsidiaries

(1,144,526)

Absorption of net  
loss proposed to  
the shareholders

(4,551,438) 4,551,438

Dividends/interest  
on capital

(252,976)

**Balance as of**

**December 31,**

**2015 (Note 22)**

19,249,181

(383,363)

11,597

628,228

611,531

5,668,300

(2,877,488)

(6,083,288)

16,084

15,021,878

(314,981) 138

**2016 Changes in  
Equity**

Net loss

(2,890,811)

Other  
comprehensive  
income (loss)  
recognized in the  
year

1,678,852

239

(6,489,813) (42,091)

Total  
comprehensive  
income (loss)  
recognized in the  
year

(2,890,811)

1,678,852

239

(6,489,813) (42,091)

Stock option  
expenses  
recognized in the  
year

51

Treasury stocks (95,343)

Stock option  
exercised during  
the year

10,461

(4,965)

Assignment of  
preferred shares

369,499

(163,699)

Effects of interest  
changes in  
subsidiaries

4,153

Destination of net  
income proposed  
to the  
shareholders

Absorption of net  
loss proposed to  
the shareholders

(2,890,811) 2,890,811

Dividends/interest  
on capital

(85,377)

**Balance as of**

**December 31,**

**2016 (Note 22)**

19,249,181

(98,746)

11,597

628,228

611,531

2,523,448

(2,873,335)

(4,404,436)

16,323

8,532,065

(357,072) 189

The accompanying notes are an integral part of these Consolidated Financial Statements.



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## GERDAU S.A.

## CONSOLIDATED STATEMENTS OF CASH FLOWS

for the years ended December 31, 2016, 2015 and 2014

In thousands of Brazilian reais (R\$)

	Note	2016	2015	2014
<b>Cash flows from operating activities</b>				
Net income (loss) for the year		(2,885,929)	(4,595,986)	1,488,373
Adjustments to reconcile net income for the year to net cash provided by operating activities				
Depreciation and amortization	29	2,535,955	2,607,909	2,227,396
Impairment of Assets	28	2,917,911	4,996,240	339,374
Equity in earnings of unconsolidated companies	9	12,771	24,502	(101,875)
Exchange variation, net	30	(851,635)	1,564,017	476,367
Losses (Gains) on financial instruments, net	30	38,930	(87,085)	(36,491)
Post-employment benefits		229,767	233,287	200,699
Stock based remuneration		46,683	48,589	39,614
Income tax	8	304,314	(1,498,422)	(150,389)
Gains on disposal of property, plant and equipment and investments		(43,340)	(3,971)	(48,639)
Results in operations with subsidiaries, associate and jointly controlled entity	3.4	58,223		(636,528)
Allowance for doubtful accounts	5	68,781	127,701	49,890
Provision for tax, labor and civil claims	17	347,882	323,314	281,876
Interest income on investments		(107,980)	(153,631)	(144,723)
Interest expense on loans	30	1,540,797	1,471,526	1,178,034
Interest on loans with related parties	18	2,457	(2,712)	(2,743)
(Reversal) Provision for net realisable value adjustment in inventory	6	(31,492)	17,536	(6,062)
		4,184,095	5,072,814	5,154,173
<b>Changes in assets and liabilities</b>				
Decrease (Increase) in trade accounts receivable		64,805	1,219,605	(36,468)
Decrease (Increase) in inventories		794,591	1,977,361	(173,191)
Increase (Decrease) in trade accounts payable		110,466	(768,627)	(251,911)
Increase in other receivables		(275,938)	(270,391)	(701,550)
(Decrease) Increase in other payables		(287,487)	(509,227)	280,187
Dividends from jointly-controlled entities		124,495	52,769	95,600
Purchases of trading securities		(880,436)	(1,958,522)	(3,028,974)
Proceeds from maturities and sales of trading securities		1,089,972	3,929,971	2,544,895
<b>Cash provided by operating activities</b>		4,924,563	8,745,753	3,882,761
Interest paid on loans and financing		(1,240,165)	(946,041)	(859,821)
Income and social contribution taxes paid		(168,032)	(637,394)	(452,079)
<b>Net cash provided by operating activities</b>		3,516,366	7,162,318	2,570,861
<b>Cash flows from investing activities</b>				
Purchases of property, plant and equipment	10	(1,323,891)	(2,324,718)	(2,266,702)
Proceeds from sales of property, plant and equipment, investments and other intangibles		308,694	90,942	1,067,938
Purchases of other intangibles	12	(54,044)	(126,428)	(141,956)

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Payment for business acquisitions, net of cash of acquired entities	3.6	(20,929)	
Capital increase in jointly-controlled entity		(40,524)	
<b>Net cash used in investing activities</b>	(1,069,241)	(2,421,657)	(1,340,720)
<b>Cash flows from financing activities</b>			
Reduction of capital by non-controlling interests			(550,000)
Purchase of treasury shares	(95,343)	(189,071)	
Proceeds from exercise of shares			5,483
Dividends and interest on capital paid	(85,962)	(358,226)	(455,139)
Proceeds from loans and financing	2,455,371	3,042,783	2,771,048
Repayment of loans and financing	(4,605,406)	(5,028,386)	(2,173,555)
Intercompany loans, net	(6,492)	30,126	8,939
Increase in controlling interest in subsidiaries	3.6	(339,068)	(130,199)
<b>Net cash used in financing activities</b>	(2,337,832)	(2,841,842)	(523,423)
Exchange variation on cash and cash equivalents	(693,990)	699,290	244,029
(Decrease) Increase in cash and cash equivalents	(584,697)	2,598,109	950,747
Cash and cash equivalents at beginning of year	5,648,080	3,049,971	2,099,224
<b>Cash and cash equivalents at end of year</b>	5,063,383	5,648,080	3,049,971

The accompanying notes are an integral part of these Consolidated Financial Statements.

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**NOTE 1 - GENERAL INFORMATION**

Gerdau S.A. is a publicly traded corporation (*sociedade anônima*) with its corporate domicile in the city of Rio de Janeiro, Brazil. Gerdau S.A. and subsidiaries (collectively referred to as the Company) is a leading producer of long steel in the Americas and one of the largest suppliers of special steel in the world. In Brazil, the Company also produces flat steel and iron ore, activities which expanded the product mix and made its operations even more competitive. It is the largest recycler in Latin America and around the world it transforms each year millions of tons of scrap into steel, reinforcing its commitment to sustainable development of the regions where it operates. Gerdau is listed on the São Paulo, New York and Madrid stock exchanges.

The Consolidated Financial Statements of Gerdau S.A. and subsidiaries were approved by the Board of Directors on March 14, 2017.

**NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING PRACTICES**

**2.1 - Basis of Presentation**

The Company's Consolidated Financial Statements have been prepared in accordance and are in compliance with the International Financial Reporting Standards (IFRS) issued by *International Accounting Standards Board* (IASB).

The preparation of the Consolidated Financial Statements in accordance with IFRS requires Management to make accounting estimates. The areas that involve judgment or use of estimates relevant to the Consolidated Financial Statements are stated in Note 2.17. The Consolidated Financial Statements have been prepared using historical cost as its basis, except for the valuation of certain financial instruments, which are measured at fair value. The Company made a reclassification in the consolidated balance sheet on December 31, 2015 in the amount of R\$ 471,404 between Property, plant and equipment and Goodwill, in order to correct a misallocation identified in these balances, with no effect in the total assets of the Company. This reclassification has no impact on the opening balance of the comparative period of 2015, as well as there are no impact on the consolidated statements of income, consolidated statements of comprehensive income, equity and cash flows of the Company.

The Company adopted all applicable standards and amendments of standards and interpretations issued by the IASB or the IFRS Interpretations Committee that are effective for December 31, 2016.

**a) Investments in Subsidiaries**

The Company's consolidated financial statements include the financial statements of Gerdau S.A. and all its subsidiaries. The Company controls an entity when it is exposed or has the right to variable returns arising from their involvement with the entity and has the ability to affect those returns due to the power exercised over the entity. Subsidiaries are fully consolidated from the date on which control is transferred to the Company. They are deconsolidated from the date that control ceases.

Third parties' interests in equity and net income of subsidiaries are reported separately in the consolidated balance sheet and in the consolidated statement of income, respectively, under the account "Non-controlling interests".

For business combinations, the assets, liabilities, and contingent liabilities of a subsidiary are reported at their respective fair value on the date of acquisition. Any excess of the acquisition cost over the fair value of the identifiable net assets acquired is recorded as goodwill. When the acquisition cost is less than the fair value of the net assets identified, the difference is recorded as a gain in the statement of income for the year in which the acquisition took place. The non-controlling interests are presented based on the proportion of the fair value of the identified assets and liabilities acquired. Intercompany transactions and balances are eliminated in the consolidation process. Gains or losses resulting from transactions among consolidated entities of the Company are also eliminated.

#### **b) Investments in Jointly controlled entities and Associate Companies**

Jointly controlled entities are those in which the control is held jointly by the Company and one or more partners. An associate company is one in which the Company exercises significant influence, but over which it does not have control. Investments in jointly controlled entities and associate companies are recorded under the equity method.

#### **c) Equity Method**

According to this method, investments are recognized in the consolidated balance sheet at acquisition cost and are adjusted subsequently based on the Company's share in the earnings and in other changes in the net assets of the investees. The balances of the investments can also be reduced due to impairment losses. Furthermore, dividends received from these companies are recorded as reductions in the value of the investments.



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**2.2 Foreign Currency Translation**

**a) Functional and Reporting Currency**

The functional currency of an entity is the currency of the primary economic environment where it operates. The Consolidated Financial Statements are presented in Reais (R\$), which is the functional and reporting currency of the Company.

**b) Transactions and Balances**

For purposes of the Consolidated Financial Statements, the balances of each subsidiary of the Company are converted into Brazilian reais, which is the functional currency of the Company and the reporting currency of its Consolidated Financial Statements.

**c) Group Companies**

The results of operations and financial position of all subsidiaries included in the consolidated financial statements, along with equity investments, which have functional currencies different from the Company's reporting currency are translated into the reporting currency as follows:

- i) Asset and liability balances are translated at the exchange rate in effect at the balance sheet date;
- ii) Income and expenses are translated using the average monthly exchange rates for the year; and
- iii) Translation gains and losses resulting from the above methodology are recognized in Equity, in the Statement of Comprehensive Income, in the account named Other reserves - Cumulative translation adjustment ; and
- iv) The amounts presented in the cash flow are derived from the changes in assets, liabilities and income and expenses translated, as detailed above.

**d) Hyperinflation in Venezuela**

Venezuela is considered a hyperinflationary economy and, for this reason, the financial statements of the Company's subsidiary located in this country have been adjusted so that the amounts are stated in the measurement currency unit as of the end of the year, which considers the effects measured by the IPC - *Índice de Preços ao Consumidor* (Consumer Price Index) of Venezuela. The exchange rate used to translate the Venezuela subsidiary financial statements from local currency (Bolívar Forte) to Real considers the local exchange rate known as SIMADI (*Sistema Marginal de Divisas*), which is used in conversions from Bolívar Forte to American Dollar as a reference to local currency translation into Real. This rate is equivalent to 206.6116 Bolívar Forte to each 1 Real as of December 31, 2016 (50.8906 Bolívas Forte to each 1 Real as of December 31, 2015).

**2.3 - Financial Assets**

The Company measures its derivative financial instruments based on their fair value on the balance sheet date, being the most relevant indications of fair value the quotations obtained from market participants. The fair value recognized in its Consolidated Financial Statements may not necessarily represent the amount of cash that the Company would receive or pay, as applicable, if the Company would have settled the transactions on the balance sheet date.

The Company classifies its financial assets, upon initial recognition, in the following categories: financial assets at fair value through profit or loss, loans and receivables and available for sale (when applicable). The classification depends on the objective for which the financial assets were acquired, as detailed in Note 15.

**a) Financial assets at fair value through profit or loss**

Financial assets at fair value through profit or loss are financial assets held for trading and include Bank Deposit Certificates and marketable securities. Financial assets at fair value through profit or loss are initially recognized at fair value and the transaction costs are expensed immediately in the income statement.

**b) Loans and receivables**

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market. The Company's loans and receivables comprise Accounts receivable and other receivables, Cash and cash equivalents and Judicial deposits. They are presented as current assets, except for those with maturities greater than 12 months after the end of the reporting period, which are classified as non-current assets.

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**c) Derivative financial instruments and hedging activities**

Initially, derivatives are recognized at fair value on the date a derivative contract is entered into and are, subsequently, remeasured to their fair value. The method of recognizing the resulting gain or loss depends on whether the derivative is designated or not as a hedging instrument and for which hedge accounting has been adopted. If this is the case, the method also depends on the nature of the item being hedged as well as the effectiveness of the hedging relationship. As described in note 15, the Company applies hedge accounting.

**d) Derivatives at fair value through profit or loss**

Certain derivative instruments do not qualify for hedge accounting. Changes in the fair value of these derivative instruments are recognized immediately in the income statement under Gains and losses on financial instruments, net .

**e) Cash and Cash Equivalents**

Cash and cash equivalents include cash, bank accounts and highly liquid investments with original maturities of 90 days or less with insignificant risk of changes in fair value and are stated at cost plus accrued interest, when applicable.

**f) Short-term Investments**

Held for trading securities are stated at fair value and recognized through profit and loss (held for trading), since the purpose of the investment is to earn short-term gains. Interest, monetary adjustments, and exchange variation, when applicable, as well as changes in fair value are recognized in the income statement when incurred.

**g) Trade Accounts Receivable**

Trade accounts receivable are stated at amortized cost and accounts receivable from foreign customers are translated based on the exchange rates in effect at the balance sheet date. The allowance for doubtful accounts is calculated based on a risk assessment, which considers historical losses, the individual situation of each customer and the situation of the economic group to which they belong, available collateral and guarantees and the opinion of legal counsel. The allowance is considered sufficient to cover any losses incurred on uncollectible receivables. Information on the breakdown of current and past-due trade accounts receivable and the related allowance for doubtful accounts is provided in note 5.

The Company's maximum exposure to credit risk is its balance of trade accounts receivable, net of allowance for doubtful accounts. The quality of the trade accounts receivable credit current is considered proper and the amount of the effective risk of eventual losses in trade accounts receivable is presented as allowance for doubtful accounts.

#### **h) Impairment of Financial Assets**

Financial assets are assessed at each balance sheet date for evidence of impairment. They are considered impaired when there is evidence that one or more events have occurred after the initial recognition of the financial asset and such event or events had a negative impact on the estimated future cash flows of the investment. The criteria used to determine whether there is evidence of an impairment loss include, among other factors: (i) significant financial difficulty of the issuer or obligor, and (ii) domestic or local economic conditions that correlate with defaults on the assets in portfolio.

#### **2.4 Inventories**

Inventories are measured at the lower of historical cost of acquisition or production and net realizable value. The acquisition and production costs include transportation, storage and non-recoverable taxes.

Net realizable value is the estimated sale price in the ordinary course of business less the estimated costs of completion and selling expenses directly related. Information regarding the allowance for adjustments to net realizable value is presented in note 6.

#### **2.5 - Property, Plant and Equipment**

Property, plant and equipment are stated at historical cost, monetarily adjusted when applicable in accordance with IAS 29, less depreciation, except for land, which is not depreciated. The Company recognizes monthly to the construction costs of qualified assets, which are assets that, necessarily, require a substantial period of time to be finished for its intended use, the borrowing costs as part of the acquisition cost of the property, plant and equipment under construction based on the following capitalization criteria: (a) the

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capitalization period begins when the property, plant and equipment item is under construction in process and the capitalization of borrowing costs ceases when the asset is available for use; (b) borrowing costs are capitalized considering the weighted average rate of loans existing on the capitalization date or a specific rate, in the case of loans for the acquisition of property, plant and equipment; (c) borrowing costs capitalized do not exceed the interest expenses during the capitalization period; and (d) capitalized borrowing costs are depreciated considering the same criteria and useful life determined for the property, plant and equipment item to which it was capitalized.

Depreciation is calculated under the straight-line method at rates that take into consideration the estimated useful life of the asset, its level of utilization and the estimated residual value of the asset at the end of its useful life. The estimated residual value and useful life of the assets are reviewed and adjusted, if necessary, at each year-end. Subsequent costs are added to the carrying amount of property, plant and equipment or recognized as a specific item, as appropriate, only if the economic benefits associated to these items are probable and the amounts can be reliably measured. The carrying amount of replaced items is written-off. Other repairs and maintenance are recognized directly in income when incurred.

Mining exploration rights are classified as Land and Buildings in the Property, plant and equipment account. Exploration expenditures are recognized as expenses until the feasibility of mining activity is established and thereafter subsequent costs are capitalized. Costs for the development of new iron ore reserves or to expand the capacity of operating mines are capitalized and amortized based on the amount of iron ore extracted. Stripping costs (costs associated with removal of waste and other residual materials) incurred during the development phase of a mine, before production phase, are registered as part of the depreciable cost of asset. Subsequently, these costs are depreciated over the useful life of the mine. Spending on waste removal, after the start of production of the mine, are treated as production costs. Depletion of mines is calculated based on the amount of ore extracted.

The net book value of property, plant and equipment items is immediately impaired to its recoverable amount when the residual balance exceeds the recoverable amount.

## **2.6 Goodwill**

Goodwill represents the excess of the acquisition cost over the fair value net of the assets acquired, liabilities assumed and identifiable contingent liabilities of a subsidiary, jointly controlled entity, or affiliate, at the respective acquisition date.

Goodwill is recorded as an asset and recorded under Investments in associate and jointly-controlled entities or Goodwill accounts. Goodwill is not amortized and is subject to impairment tests annually or whenever there are indications of potential impairment. Any impairment loss is recorded as an expense in the income statement and cannot be reversed. Goodwill is allocated to the operating segments, which represents the lowest level at which goodwill is monitored by management.

When a subsidiary, jointly controlled entity or associate is sold, goodwill is included in the determination of gains and losses on disposal.

## **2.7 Other Intangible Assets**

Other intangible assets are stated at acquisition cost, less accumulated amortization and impairment losses, when applicable. Intangible assets consist mainly of assets which represent the capacity to generate economic benefits from companies acquired based on relationships with customers and suppliers, software and others. Intangible assets with definite useful lives are amortized taking into consideration their actual use or a method that reflects their consumption of economic benefits. The net book value of intangible assets is impaired immediately to its recoverable value when the residual balance exceeds the recoverable amount (note 2.8).

Intangible assets acquired in a business combination are recorded at fair value, less accumulated amortization and impairment losses, when applicable. Intangible assets that have a defined useful life are amortized over their useful lives using an amortization method that reflects the economic benefit of the intangible asset and is recorded in the cost of sales account. The intangible relationship with customers and suppliers is amortized based on an accelerated method that considers the expected future economic benefit provided over time by these new acquired customers and suppliers.

The Company reviews the amortization period and amortization method for its intangible assets with definite useful lives at the end of each year.

## **2.8 Provision for Impairment of Assets and Reversal of Impairment**

At each balance sheet date, the Company performs an assessment to determine whether there is evidence that the carrying amount of long-lived assets might be impaired. If such evidence is identified, the recoverable amount of the assets is estimated by the Company. The recoverable amount of an asset is determined as the higher of: (a) its fair value less estimated costs to selling and (b) its value in use. The value in use is measured based on discounted cash flows (before taxes) derived from the continuous use of the asset until the

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end of its estimated useful life. Regardless of whether or not there is any indication that the carrying amount of the asset may be impaired, the balances of goodwill arising from business combinations and intangible assets with indefinite useful lives are tested for impairment at least once a year in December.

When the carrying amount of the asset exceeds its recoverable amount, the Company recognizes a reduction in the book value of the asset (Impairment). The reduction to the recoverable amount of the asset is recorded as an expense. Except for an impairment of goodwill, a reversal of a previously recorded impairment loss is required. Reversal in these circumstances is limited to the amount of the depreciated balance of the asset at the time of the reversal, determined as if the impairment had not been recorded, as discussed in note 28.1.

The Company does not believe there is a reasonable likelihood that may occur a material change in the estimates or assumptions used to calculate long-lived asset impairment losses. However, if actual results are not consistent with estimates and assumptions used in estimating future cash flows and asset fair values, the Company may be exposed to losses that could be material.

## **2.9 Financial Liabilities and Equity Instruments**

### **a) Classification as Debt or Equity**

Debt or equity instruments are classified based on the substance of the contractual terms of the instruments.

### **b) Short and Long-Term Debt**

They are stated net of transaction costs, and are subsequently measured at the amortized cost using the effective interest method.

### **c) Equity Instruments**

An equity instrument is based on a contract that evidences a residual interest in the assets of an entity after deducting its liabilities.

### **d) Derivative Instruments and hedging**

The Company enters into derivative financial instruments mainly to manage its exposure to fluctuation in interest rates and exchange rates. The Company measures its derivative financial instruments, based on quotations obtained from market participants, at fair value at the balance sheet date.

Changes in the fair value of a derivative that is highly effective and that is designated and qualifies as a cash flow hedge or a net investment hedge are recorded in the statement of comprehensive income.

The Company assesses at the hedge's inception and on an ongoing basis, whether the derivatives that are used in hedging transactions are highly effective in offsetting changes in fair values or cash flows of hedged items. When a cash flow hedge instrument is sold, terminated, expires or is exercised, the hedge is discontinued prospectively, however the cumulative unrealized gains and losses remains registered in comprehensive income when the hedged item is registered in the statement of income. When a transaction is no longer expected to occur, the cumulative gains and losses is immediately reclassified to the income statement. In the net investment hedge the amount registered is reclassified to the income statement when the hedged investment is disposed of. Additionally, changes in the fair value of financial instruments not designated for hedge are registered as Gain and losses on financial instruments, net, in the income statement.

## **2.10 Current and Deferred Income and Social Contribution Taxes**

Current income and social contribution tax expense is calculated in conformity with enacted tax rate in effect at the balance sheet date in the countries where the Company's subsidiaries, associate and jointly controlled entities operate and generate taxable income. Management periodically evaluates positions taken in relation to tax matters which are subject to interpretation and recognizes a provision when there is an expectation of payment of income tax and social contribution in accordance with the tax bases. The expense for income tax and social contribution taxes comprises current and deferred taxes. Current tax and deferred tax are recognized in income unless they are recognized for a business combination, or for items directly recognized in equity through other comprehensive income.

Current tax is the estimated tax payable or receivable on the taxable income or loss for the year, at the tax rates effective at the balance sheet date. Deferred income tax and social contribution are recognized in full on the differences generated between assets and liabilities recognized for tax purposes and corresponding to amounts recognized in the Financial Statements. However, deferred



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income and social contribution taxes are not recognized arising from the initial recognition of assets and liabilities in a transaction other than a business combination and that do not affect the tax basis. Income and social contribution taxes are determined based on tax rates (and laws) effective at the balance sheet date and applicable when the respective income and social contribution taxes is paid. Deferred income and social contribution tax assets are recognized only to the extent that it is probable that there will be taxable income for which the temporary differences can be used and tax losses can be compensated.

Deferred tax assets recorded for tax loss carryforwards are supported by projections of taxable income based on technical feasibility studies submitted annually to the Board of Directors of the Company and its subsidiaries, when applicable. These studies consider historical profitability of the Company and its subsidiaries, expectations of continuous profitability and estimates of the recovery of deferred tax assets over future years. Other deferred tax assets arising from temporary differences, mainly tax contingencies, and provision for losses, are recognized according to their estimate of realization. Deferred income tax and social contribution assets are reviewed at each reporting date and will be reduced to the extent that their realization is not more likely than not based on future taxable income.

The Company only recognizes a provision on tax issues if a past event leads to a present obligation. The Company determines whether a present obligation exists at the reporting date by taking into consideration all available evidence, including, for example, the opinion of legal advisors. The Company also considers whether it is probable that there will be an outflow of assets and a reliable estimate can be made of the amount of the obligation.

## **2.11 Employee Benefits**

The Company has several employee benefit plans including pension and retirement plans, health care benefits, profit sharing, bonus, and share-based payment, as well as other retirement and termination benefits. The main benefit plans granted to the Company's employees are described at notes 19 and 25.

The actuarial obligations related to the pension and retirement benefits and the actuarial obligations related to the health care plans are recorded based on actuarial calculations performed every year by independent actuaries, using the projected unit credit method, net of the plan assets, when applicable, and the related costs are recognized over the employees' service period. Any employee benefit plan surpluses are also recognized up to the probable amount of reduction in future contributions by the Company.

Actuarial remeasurements arising from adjustments and changes in actuarial assumptions of the pension and retirement benefit plans and actuarial obligations related to the health care plan are recognized directly in the Statement of Comprehensive Income as described in Note 19.

In accounting for pension and post-retirement benefits, several statistical and other factors that attempt to anticipate future events are used to calculate plan expenses and liabilities. These factors include discount rate assumptions, return on plan assets, future increases in health care costs, and rate of future compensation increases. In addition, actuarial computation other factors whose measurement involves judgment are used such as withdrawal, turnover, and mortality rates. The actuarial assumptions used by the Company may differ materially from actual results in future periods due to changing market and economic conditions, regulatory events, judicial rulings, higher or lower withdrawal rates, or longer or shorter participant life spans.

## **2.12 - Other Current and Non-current Assets and Liabilities**

Other current and non-current assets and liabilities are recorded at their realizable amounts (assets) and at their known or estimated amounts plus accrued charges and monetary adjustments (liabilities), when applicable.

## **2.13 Related-Party Transactions**

Loan agreements between the entities in Brazil and abroad are adjusted by contractual financial charges plus foreign exchange variation, when applicable. These contracts have an expiration date, with the possibility of extension of time by agreement between the parties. Sales and purchases of raw materials and products are made under terms and conditions contractually established between the parties.

## **2.14 Dividends and Interest on equity**

Dividend payments are recognized as liabilities at the time dividends are approved by the shareholders of Gerdau S.A. The bylaws of Gerdau S.A. required dividends of not less than 30% of the annual net income; therefore, Gerdau S.A. records a liability at year-end for the minimum dividend amount that has not yet been paid during the year up to the limit of the mandatory minimum dividend described above.

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**2.15 Revenue Recognition**

Net sales are presented net of taxes and discounts. Taxes on sales are recognized when sales are invoiced and discounts on sales are estimated and recognized upon sale. Revenues from sales of products are recognized when the sales amount can be reliably measured, the Company no longer has control over the goods sold or any other responsibility attributable to its ownership, the costs incurred or that will be incurred related to the transaction can be reliably measured, it is more likely than not that the economic benefits will be received by the Company, and the risks and benefits of the products have been fully transferred to the buyer. The related costs of freight are included in cost of sales.

**2.16 - Investments in Environmental Protection and Environmental liabilities**

Environmental costs that relate to current operations are expensed or capitalized as appropriate. Environmental costs that relate to an existing condition caused by past operations, and which do not contribute to current or future revenue generation or cost reduction are recorded as expense. Liabilities are recorded when environmental assessments or remedial efforts are probable and the cost can be reasonably estimated based on discussions with the environmental authorities and other assumptions relevant to the nature and extent of the remediation that may be required. The ultimate cost to the Company is dependent upon factors beyond its control such as the scope and methodology of the remedial action requirements to be established by environmental and public health authorities, new laws or government regulations, rapidly changing technology and the outcome of any potential related litigation. Environmental liabilities are adjusted to present value when the aggregate amount of the obligation and the amount and timing of cash disbursements are established or can be reliably estimated.

**2.17 - Critical Accounting Estimates and Judgements**

The preparation of the Consolidated Financial Statements requires estimates to record certain assets, liabilities and other transactions. To make these estimates, Management uses the best information available on the date of preparation of the Consolidated Financial Statements and the experience of past and/or current events, also considering assumptions related to future events. As such, the Consolidated Financial Statements include estimates with respect to the recoverable amount of long-lived assets (note 28), with respect to the need and the amount of provisions for tax, civil and labor liabilities (note 17), estimates in selecting interest rates, return on assets, mortality tables and expectations for salary increases (note 19), and long-term incentive plans through the selection of the evaluation model and rates (note 25). Actual results could differ from those estimates.

**2.18 - Business Combinations for the Financial Statements**

**a) Step-acquisitions in which control is obtained**

When a business combination is achieved in stages, the interest previously held by the Company in the acquired entity is remeasured at fair value at acquisition date (i.e. the date when the Company acquires the control) and the resulting gain or loss, if any, is recognized in profit or loss. Amounts related to the Company's interest in the acquired company before the acquisition date, and that were recognized in Other comprehensive income, are reclassified to profit or loss, where such treatment would be appropriate if that interest were disposed of.

**b) Acquisitions in which control is obtained initially**

Acquisitions of businesses are accounted for under the acquisition method. The cost of the acquisition is measured at the fair values (at the date of the transaction) of the assets transferred, liabilities incurred or assumed and equity instruments issued by the Company in exchange for control of the acquired business entity. The acquiree's identifiable assets, liabilities and contingent liabilities are recognized at their fair values at the acquisition date. The interest of non-controlling shareholders in the acquiree is initially measured at the non-controlling shareholders' proportion of the net fair value of the assets, liabilities and contingent liabilities recognized. Expenses related to the acquisition are recognized in the income statement when incurred.

**c) Increases/decreases in non-controlling interests**

Subsequent purchases, after the Company has obtained control, are treated as acquisitions of shares from non-controlling shareholders: the identifiable assets and liabilities of the acquired entity are not subject to a further revaluation and the positive or negative difference between the cost of such subsequent acquisitions and the net value of the additional proportion of the company is accounted for within equity.

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**d) Loss of control of a subsidiary**

When control of a subsidiary is lost as a result of a transaction, event or other circumstance, the Company derecognizes all assets, liabilities and non-controlling interests at their carrying amount. Any retained interest in the former subsidiary is recognized at its fair value at the date that control is lost. This fair value is reflected in the calculation of the gain or loss on disposal attributable to the parent, and becomes the initial carrying amount for subsequent accounting for the retained interest under IAS 28 or IAS 39.

**2.19 Segment Information**

The Gerdau Executive Committee, which is composed of the most senior officers of the Company, is responsible for managing the business.

The Company's segments are as follows: Brazil Operations (includes operations of steel and iron ore in Brazil, except Special Steels), North America Operations (includes all operations in North America, including the jointly controlled entity in Mexico, with the exception of Special Steels), South America Operations (includes all operations in South America, except Brazil and includes the Jointly Controlled entity in Dominican Republic) and Special Steel Operations (including special steel operations in Brazil, United States and India).

**2.20 Earnings per Share**

In compliance with IAS 33, Earnings per Share, the tables presented in note 23 reconcile net income to the amounts used to calculate basic and diluted earnings per share. The Company has no instruments considered antidilutive that should be excluded from the calculation of diluted EPS.

**2.21 Long-term incentive plans**

The Company settles the stock options plans by delivering its own shares, which are held in treasury until the exercise of the options by the employees. Additionally, the Company has also granted the following long-term incentive plans: Stock Options, Restricted Shares, Share Appreciation Rights and Performance Shares, as presented in note 25.

**2.22 - New IFRS and Interpretations of the IFRIC (International Financial Reporting Interpretations Committee)**

Some new IASB accounting procedures and IFRIC interpretations were issued and/or reviewed and have their mandatory adoption for the year 2017 and/or after. The Company is assessing the adoption impact of these standards in its Consolidated Financial Statements.

- IFRS 9 - Financial Instruments. Has the objective of replacing the standard IAS 39 and addresses some application questions and introduced a fair value through other comprehensive income measurement category for particular simple debt instruments, besides adding the impairment requirements relating to the accounting for an entity's expected credit losses on its financial assets, commitments to extend credit and hedge accounting. This standard is effective for annual reporting periods beginning on or after January 1, 2018. The Company believes that the new guidance of IFRS 9 will not bring a significant impact in its classification and measurement of financial assets and liabilities, as well as on the hedge operations.

- IFRS 15 - Revenue from Contracts with Customers and subsequently the issuance of document for clarification on this standard. The objective of IFRS 15 is to establish the principles of revenue recognition and disclosure of information about the nature, amount, timing, and uncertainty of revenue and cash flows arising from a contract with a customer, as well as the subsequent document issued, which clarifies on important matters of this standard. This standard is effective for years beginning on or after January 1, 2018. The Company's evaluation process of all the impacts of the new standard is ongoing and in a preliminary and non-conclusive stage. This preliminary assessment of the impacts on the measurement and timing for revenue recognition from contracts with our customers does not indicate significant changes or impacts in the Company's Financial Statements. The company is currently in the process of evaluating other aspects of the application of the standard to complete the analysis.

- IFRS 16 - Lease. Establishes aspects of recognition, measurement and disclosure of leases. This standard is effective for fiscal years beginning on or after January 1, 2019. The Company is evaluating the impacts on its Financial Statements of the register of its operating leasing operations, however does not expect significant impacts in relation to total property, plant and equipment and existing debt.

- Amendments to IAS 12 - Income Tax. It addresses the recognition of deferred income tax assets for deductible temporary differences. This change in the standard is effective for years beginning on or after January 1, 2017.

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• Amendments to IAS 7 - Cash Flow. It addresses changes in the disclosure of liabilities from financing activities. This change in the standard is effective for years beginning on or after January 1, 2017.

• Amendments to IFRS 2 - Classification and Measurement of Share-based Payment Transactions. It addresses changes in some paragraphs to better clarify the application of the standard. This change in the standard is effective for years beginning on or after January 1, 2018.

**NOTE 3 - CONSOLIDATED FINANCIAL STATEMENTS****3.1 - Subsidiaries**

Listed below are the significant consolidated subsidiaries, as follows:

Consolidated company	Country	2016	Equity Interests Total capital (*) 2015	2014
Gerdau GTL Spain S.L.	Spain	100.00	100.00	100.00
Gerdau Internacional Empreendimentos Ltda. - Grupo Gerdau	Brazil	100.00	100.00	100.00
Gerdau Ameristeel Corporation and subsidiaries (1)	USA/Canada	100.00	100.00	100.00
Gerdau Açominas S.A.	Brazil	99.35	99.35	95.85
Gerdau Aços Longos S.A. and subsidiary (2)	Brazil	99.11	99.11	94.34
Gerdau Steel Inc.	Canada	100.00	100.00	100.00
Gerdau Holdings Inc. and subsidiary (3)	USA	100.00	100.00	100.00
Paraopeba - Fixed-income investment fund (4)	Brazil	70.93	65.75	88.74
Gerdau Holdings Europa S.A. and subsidiaries (note 3.4)	Spain		100.00	100.00
Gerdau América Latina Participações S.A.	Brazil	99.12	99.12	94.22
Gerdau Chile Inversiones Ltda. and subsidiaries (5)	Chile	99.00	99.99	99.99
Gerdau Aços Especiais S.A.	Brazil	99.55	99.56	97.17
Gerdau Hungria Holdings Limited Liability Company and subsidiaries (6)	Hungary	100.00	100.00	100.00
GTL Equity Investments Corp.	British Virgin Islands	100.00	100.00	100.00
Empresa Siderúrgica del Perú S.A.A. - Siderperú	Peru	90.03	90.03	90.03
Diaco S.A. and subsidiary (7)	Colombia	99.68	99.68	99.68
Gerdau GTL México, S.A. de C.V. and subsidiaries (8)	Mexico	100.00	100.00	100.00

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Seiva S.A. - Florestas e Indústrias	Brazil	97.73	97.73	97.73
Itaguaí Com. Imp. e Exp. Ltda.	Brazil	100.00	100.00	100.00
Gerdau Laisa S.A.	Uruguai	100.00	100.00	100.00
Sipar Gerdau Inversiones S.A.	Argentina	99.99	99.99	99.99
Sipar Aceros S.A. and subsidiary (9)	Argentina	99.96	99.96	99.96
Cleary Holdings Corp.	Colombia		100.00	100.00
Sizuca - Siderúrgica Zuliana, C. A.	Venezuela	100.00	100.00	100.00
GTL Trade Finance Inc.	British Virgin Islands	100.00	100.00	100.00
Gerdau Trade Inc.	British Virgin Islands	100.00	100.00	100.00
Gerdau Steel India Ltd.	India	98.90	98.90	98.83

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(\*) The voting capital is substantially equal to the total capital. The interests reported represent the ownership percentage held directly and indirectly in the subsidiary.

(1) Subsidiaries: Gerdau Ameristeel US Inc., Gerdau Reinforcing Steel, Gerdau Ameristeel Sayreville Inc., TAMCO Steel, Chaparral Steel Company.

(2) Subsidiary: Gerdau Açominas Overseas Ltd.

(3) Subsidiary: Gerdau MacSteel Inc.

(4) Fixed-income investment fund managed by Banco JP Morgan S.A.

(5) Subsidiaries: Aza Participaciones S.A., Gerdau Aza S.A., Armacero Matco S.A., Aceros Cox Comercial S.A., Salomon Sack S.A.



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(6) Subsidiaries: Gerdau Holdings Europa S.A. y CIA., Bogey Holding Company Spain S.L.

(7) Subsidiaries: Cyrgo S.A.

(8) Subsidiaries: Sidertul S.A. de C.V. and GTL Servicios Administrativos México, S.A. de C.V.

(9) Subsidiary: Siderco S.A.

### 3.2 Jointly controlled entities

Listed below are the interests in jointly controlled entities:

Jointly controlled entities	Country	2016	Equity Interests Total capital(*)	2014
			2015	
Bradley Steel Processors	Canada	50.00	50.00	50.00
MRM Guide Rail	Canada	50.00	50.00	50.00
Gerdau Corsa S.A.P.I. de CV	Mexico	50.00	50.00	50.00
Gerdau Metaldom Corp.	Dominican Rep.	45.00	45.00	45.00

(\*)The voting capital is substantially equal to the total capital. The interests reported represent the ownership percentage held directly and indirectly held in the jointly controlled entity.

The summarized financial information of the jointly-controlled entities, accounted for under the equity method, is shown on a combined basis as follows:

	Jointly-controlled entities	
	2016	2015
Net income (loss)	(126,723)	(49,008)
Total comprehensive income	(126,723)	(49,008)

### 3.3 Associate companies

Listed below are the interests in associate companies:

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Associate companies	Country	2016	Equity interests Total capital (*)	
			2015	2014
Dona Francisca Energética S.A.	Brazil	51.82	51.82	51.82
Armacero Industrial y Comercial S.A.	Chile			50.00
Corsa Controladora, S.A. de C.V. and subsidiaries	Mexico	49.00	49.00	49.00
Corporación Centroamericana del Acero S.A. and subsidiaries (Note 3.4)	Guatemala		30.00	30.00

(\*)The voting capital is substantially equal to the total capital. The interests reported represent the ownership percentage held directly and indirectly.

Although the Company owns more than 50% of Dona Francisca Energética S.A., it does not consolidate the financial statements of this associate because of the veto rights granted to minority shareholders that prevent the Company from controlling the decisions in conducting the associate's business.

On May 18, 2015, the Company acquired the remaining 50% interest of its former associate Armacero Industrial y Comercial S.A. (Note 3.4).

The summarized financial information of the associate companies, accounted for under the equity method, is shown on a combined basis as follows:

	Associate Companies	
	2016	2015
Net income	141,023	33,814
Total comprehensive income	141,023	33,814

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### **3.4 Business combinations**

On May 18, 2015, the Company acquired the remaining 50% interest of its former associate Armacero Industrial y Comercial S.A. (Armacero) by the amount of 4,064 million Chilean pesos (equivalent to R\$ 20,929 at the acquisition date). Armacero is a trading company, distributor, importer and exporter of iron and steel located in Santiago, Chile. The fair value of the acquired assets and assumed liabilities at the acquisition of control date are substantially similar to their book value.

In the second quarter of 2016, the Company completed the sale of its special steel producer Gerdau Holdings Europa S.A. in Spain to Clerbil SL, an investment group with international experience formed by local executives of the Company. The enterprise value of the transaction was 155 million (equivalent to R\$ 621 million) and the sale agreement provides the possibility of receiving an additional up to 45 million (equivalent to R\$ 180 million) in the end of five years, depending on the future performance of the business. As a result of the transaction, the Company have receivables amounting to 32.5 million (equivalent to R\$ 112 million) as of December 31, 2016 and registered an expense of R\$ 105 million in the Results in operations with associate and jointly controlled entity of its Consolidated Statements of Income.

In the fourth quarter of 2016, the Company sold its interest in the associate company Corporación Centroamericana del Acero S.A. in Guatemala to the current controlling shareholders of this company for US\$ 70 million (equivalent to R\$ 222.7 million at the sale date) and its subsidiary Cleary Holdings Corp. coke producer and coking coal reserves holder in Colombia to Trinity Capital S.A.S. jointly with local executives, for US\$ 30.2 million (equivalent to R\$ 102.6 million at the selling date). As a result of these transactions, the Company have receivables amounting to US\$ 79 million (equivalent to R\$ 257 million) as of December 31, 2016 and registered a gain of R\$ 47 million in the Results in operations with subsidiaries, associate and jointly controlled entity of its Consolidated Statements of Income.

The sale of these operations in Spain, Guatemala and Colombia is aligned with Gerdau's objective of focusing on its most profitable assets and allowed the Company to reduce its debt and working capital levels in 2016 in the amount of R\$ 291 million and R\$ 438 million, respectively.

### **3.5 Increase in controlling interest in subsidiaries**

On July 14, 2015, the Company acquired the minority interests, below mentioned, in the following companies: Gerdau Aços Longos S.A. (4.77%), Gerdau Açominas S.A. (3.50%), Gerdau Aços Especiais S.A. (2.39%) and Gerdau América Latina Participações S.A. (4.90%), having as counterparty Itaú Unibanco S.A. and ArcelorMittal Netherlands BV. These acquisitions of equity interests, in the aggregate amount of R\$ 1,986 million, will enable Gerdau S.A. to hold more than 99% of the total capital of each of these subsidiaries and, once all conditions of the respective purchase agreements are fulfilled, will be paid as follows: (a) cash payment in the amount of R\$ 339 million, using immediately available funds; (b) assignment and transfer of 30 million preferred shares of Gerdau S.A. (GGBR4), held in treasury, in the amount of R\$ 206 million, subject to prior approval of the Securities and Exchange Commission of Brazil; (c) exchange of a quota of a Non Standardized Credit Right Investment Fund, constituted and duly authorized to operate by the Securities and Exchange Commission of Brazil ( FIDC NP Barzel ), whose portfolio is formed by a single type of credit right owned by the Company arising from lawsuits claiming the collection of differences in the monetary restatement of the principal, compensatory interest, interest on arrears and other ancillary revenues owed by Eletrobrás, in the amount of R\$ 802 million, as described in Note 21; and (d) installment payments in the total amount of R\$ 639 million.

In this transaction an equity adjustment of R\$ 1,149 million was determined, corresponding to the difference between the amount of R\$ 1,986 million and the book value, in the amount of R\$ 837 million recognized directly in shareholders' equity of the Company, since it is a transaction with shareholders. The approval of this transaction was given in a meeting of the Board of Directors by unanimous vote of the Directors on July 13, 2015, based on the market opportunities and the consideration that the prices were appropriate taking into consideration: economic evaluations through an independent appraisal, the financial instruments used, payment tenors, the value gained through a more concentrated cash flow and the Company's long-term outlook.

The Company met the CVM requests for clarification on the acquisition and said that the decision to its realization had exclusively business merit and was duly considered and unanimously approved by the Board of Directors. The terms and conditions for the acquisition considered long-term market prospects. Until the date of approval of these financial statements, this is the progress of the subject in front of CVM.

### 3.6 Total cash paid for business combinations

	2016	2015	2014
Companies / interest acquired			
<b>Business Combination</b>			
Armacao Industrial y Comercial S.A.		20,929	
		20,929	
<b>Interest increase in subsidiaries</b>			
Gerdau Açominas S.A., Gerdau Aços Especiais S.A. e Gerdau Aços Longos S.A.			130,199
Gerdau Aços Longos S.A., Gerdau Açominas S.A., Gerdau Aços Especiais S.A. e Gerdau América Latina Participações S.A.		339,068	
		339,068	130,199

Table of Contents**NOTE 4 CASH AND CASH EQUIVALENTS, AND SHORT AND LONG-TERM INVESTMENTS**

	<b>2016</b>	<b>2015</b>
Cash	9,412	15,373
Banks and immediately available investments	5,053,971	5,632,707
Cash and cash equivalents	5,063,383	5,648,080

	<b>2016</b>	<b>2015</b>
Held for trading	1,024,411	1,270,760
Short-term investments	1,024,411	1,270,760

Immediately available investments include investments with maturity up to 90 days, immediate liquidity and low risk of fair value change.

Held for trading securities include Bank Deposit Certificates and marketable securities, which are stated at their fair value. Income generated by these investments is recorded as financial income.

**NOTE 5 TRADE ACCOUNTS RECEIVABLE**

	<b>2016</b>	<b>2015</b>
Trade accounts receivable - in Brazil	1,251,739	1,152,481
Trade accounts receivable - exports from Brazil	265,252	503,854
Trade accounts receivable - foreign subsidiaries	2,259,014	3,116,352
(-) Allowance for doubtful accounts	(199,306)	(185,261)
	3,576,699	4,587,426

Accounts receivable by aging are as follows:

	<b>2016</b>	<b>2015</b>
Current	2,917,073	3,231,639
Past-due:		
Up to 30 days	506,780	859,957
From 31 to 60 days	128,715	208,969
From 61 to 90 days	37,559	95,952
From 91 to 180 days	53,460	171,077
From 181 to 360 days	66,444	107,102
Above 360 days	65,974	97,991
(-) Allowance for doubtful accounts	(199,306)	(185,261)
	3,576,699	4,587,426

The changes in the allowance for doubtful accounts are as follows:

Balance as of January 1, 2014	(99,621)
Provisions for bad debt during the year	(53,926)
Recoveries in the year	4,036
Write-offs	50,691
Exchange variation	6
Balance as of December 31, 2014	(98,814)
Provisions for bad debt during the year	(133,868)
Recoveries in the year	6,167
Write-offs	41,392
Exchange variation	(138)
Balance as of December 31, 2015	(185,261)
Provisions for bad debt during the year	(85,661)
Recoveries in the year	16,880
Write-offs	37,679
Effect of selling of subsidiary (note 3.4)	17,594
Exchange variation	(537)
Balance as of December 31, 2016	(199,306)

Table of Contents**NOTE 6 - INVENTORIES**

	<b>2016</b>	<b>2015</b>
Finished products	2,987,785	4,313,538
Work in progress	1,201,327	1,776,633
Raw materials	1,393,599	1,865,761
Storeroom supplies	430,731	560,630
Advances to suppliers	94,372	111,861
Imports in transit	253,729	253,811
(-) Allowance for adjustments to net realizable value	(28,813)	(101,121)
	6,332,730	8,781,113

The allowance for adjustment to net realizable value of inventories, on which the provision and write-offs are registered with impact on cost of sales, is as follows:

Balance as of January 1, 2014	(73,276)
Provision for the year	(63,440)
Reversal of adjustments to net realizable value	69,502
Exchange rate variation	851
Balance as of December 31, 2014	(66,363)
Provision for the year	(54,987)
Reversal of adjustments to net realizable value	37,451
Exchange rate variation	(17,222)
Balance as of December 31, 2015	(101,121)
Provision for the year	(62,899)
Reversal of adjustments to net realizable value	94,391
Effect of selling of subsidiary (note 3.4)	30,105
Exchange rate variation	10,711
Balance as of December 31, 2016	(28,813)

**NOTE 7 TAX CREDITS**

	<b>2016</b>	<b>2015</b>
<b>Current</b>		
ICMS (state VAT)	130,718	163,589
Social security financing	173,453	231,256
Financing of social integration program	35,135	48,012
IPI (federal VAT)	48,751	41,915
IVA (value-added tax)	85,674	103,892
Others	30,698	84,491
	504,429	673,155
<b>Non-current</b>		
ICMS (state VAT)	50,757	70,204
Social security financing	2,294	3,619
Financing of social integration program and Others	3,652	4,167
	56,703	77,990

561,132

751,145

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The estimates of realization of non-current tax credits are as follows:

	2016	2015
2017		40,622
2018	33,840	23,751
2019	14,334	8,223
2020 on	8,529	5,394
	56,703	77,990

**NOTE 8 - INCOME AND SOCIAL CONTRIBUTION TAXES**

In Brazil, income taxes include federal income tax (IR) and social contribution (CS), which represents an additional federal income tax. The statutory rates for income tax and social contribution are 25% and 9%, respectively, and are applicable for the years ended December 31, 2016, 2015 and 2014. The foreign subsidiaries of the Company are subject to taxation at rates ranging between 24.0% and 38.5%. There are foreign subsidiaries, which have mainly financial activities, with tax rate equal to zero. The differences between the Brazilian tax rates and the rates of other countries are presented under *Difference in tax rates in foreign companies* in the reconciliation of income tax and social contribution below.

**a) Reconciliations of income and social contribution taxes at statutory rates to amounts presented in the Statement of Income are as follows:**

	2016	2015	2014
Income (loss) before income taxes	(2,581,615)	(6,094,408)	1,337,984
Statutory tax rates	34%	34%	34%
Income and social contribution taxes at statutory rates	877,749	2,072,099	(454,915)
Tax adjustment with respect to:			
- Difference in tax rates in foreign companies	(1,162,174)	(222,553)	275,612
- Equity in earnings of unconsolidated companies	(4,342)	(8,331)	34,638
- Interest on equity*	(162)	63,407	76,919
- Tax credits and incentives	18,494	19,459	24,885
- Tax deductible goodwill recorded in statutory books	36,469	233,029	358,835
- Deferred tax assets not recognized	(40,279)	(387,668)	(81,675)
- Tax payment program on foreign generated profits			(87,759)
- Write-down of deferred tax asset**		(284,014)	
- Other permanent differences, net	(30,069)	12,994	3,849
Income and social contribution taxes	(304,314)	1,498,422	150,389
Current	(110,511)	(158,450)	(571,926)
Deferred	(193,803)	1,656,872	722,315

(\*) Brazilian Law 9,249/95 provides that a company may, at its sole discretion, consider dividends distributions to shareholders to be considered as interest on own capital subject to specific limitations - which has the effect of a taxable deduction in the determination of income tax and social contribution. The limitation is the greater of (i) shareholders' equity multiplied by the TJLP (Long Term Interest Rate) rate or (ii) 50% of the net income in the fiscal year. This expense is not recognized for financial reporting purposes and thus it does not impact accounting profit.

(\*\*) The Company assessed the recoverability of certain deferred income tax assets and, due to lack of expected utilization of these assets in virtue of adjustment of the long-term investment plan in one of its foreign subsidiaries and registered a write-down of R\$ 284,014 in 2015.

Table of Contents**b) Breakdown and changes in deferred income and social contribution tax assets and liabilities at statutory tax rates:**

	Balance as of January 1, 2014	Recognized in income	Others	Comprehensive Income	Gains/Losses on translation	Balance as of December 31, 2014
Tax loss carryforward	948,368	56,168	(25,392)		24,297	1,003,441
Social contribution tax losses	121,695	26,623	509			148,827
Provision for tax, civil and labor liabilities	444,379	83,616			(264)	527,731
Benefits granted to employees	321,720	(41,188)		131,559	19,237	431,328
Other temporary differences	141,216	50,310			19,083	210,609
Deferred exchange variance*	523,681	351,061				874,742
Provision for losses	46,049	7,878			1,011	54,938
Fair value adjustments on businesses acquired	(1,677,915)	187,847			(138,905)	(1,628,973)
	869,193	722,315	(24,883)	131,559	(75,541)	1,622,643
Non-current assets	2,056,445					2,567,189
Non-current liabilities	(1,187,252)					(944,546)

\* Corresponds to deferred taxes over foreign exchange gains and loss which certain subsidiaries elected to tax on a cash basis

	Balance as of December 31, 2014	Recognized in income	Comprehensive Income	Gains/Losses on translation	Balance as of December 31, 2015
Tax loss carryforward	1,003,441	(259,976)		144,515	887,980
Social contribution tax losses	148,827	42,811			191,638
Provision for tax, civil and labor liabilities	527,731	110,318		1,517	639,566
Benefits granted to employees	431,328	(25,694)	(22,272)	166,503	549,865
Other temporary differences	210,609	247,458		(76,076)	381,991
Deferred exchange variance*	874,742	1,292,709		(9,302)	2,158,149
Provision for losses	54,938	95,596		1,144	151,678
Fair value adjustments on businesses acquired	(1,628,973)	153,650		(92,557)	(1,567,880)
	1,622,643	1,656,872	(22,272)	135,744	3,392,987
Non-current assets	2,567,189				4,307,462
Non-current liabilities	(944,546)				(914,475)

\* Corresponds to deferred taxes over foreign exchange gains and loss which certain subsidiaries elected to tax on a cash basis

	Balance as of December 31, 2015	Recognized in income	Others	Comprehensive Income	Effect of selling of subsidiary	Gains/Losses on translation	Balance as of December 31, 2016
Tax loss carryforward	887,980	327,743	(13,458)		(249,839)	(78,069)	874,357
Social contribution tax losses	191,638	120,254					311,892
Provision for tax, civil and labor liabilities	639,566	118,526	(1,196)		(1,475)	(223)	755,198
Benefits granted to employees	549,865	(67,133)	40,125	34,963	(5,143)	(120,140)	432,537

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Other temporary differences	381,991	(21,985)	19,819	957	(30,020)	350,762
Deferred exchange variance*	2,158,149	(907,690)			1,083	1,251,542
Provision for losses	151,678	(34,059)		(4,671)	(12)	112,936
Fair value adjustments on businesses acquired	(1,567,880)	270,541	2,984		216,925	(1,077,430)
	3,392,987	(193,803)	48,274	34,963	(260,171)	3,011,794
Non-current assets	4,307,462					3,407,230
Non-current liabilities	(914,475)					(395,436)

\* Corresponds to deferred taxes over foreign exchange gains and loss which certain subsidiaries elected to tax on a cash basis

The recoverability analysis of deferred tax balances related to tax loss carryforward and social contribution tax losses performed by the Company are based on its business plans and aligned with other projections and analysis performed by the Company as, for example, the impairment of assets tests.

## c) Estimated recovery and reversal of income and social contribution tax assets and liabilities are as follows:

	Assets	
	2016	2015
2016		437,359
2017	512,422	388,481
2018	391,384	555,996
2019	364,030	561,700
2020	535,937	518,523
2021	499,984	520,085
2022 on	1,103,473	1,325,318
	3,407,230	4,307,462

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	<b>Liabilities</b>	
	<b>2016</b>	<b>2015</b>
2016		(186,346)
2017	(2,283)	(141,322)
2018	(89,052)	(71,093)
2019	(56,006)	(114,245)
2020	(154,664)	(180,927)
2021	(14,496)	(128,440)
2022 on	(78,935)	(92,102)
	(395,436)	(914,475)

**d) Tax Assets not booked:**

Due to the lack of opportunity to use tax losses and negative basis of social contribution in some companies in Brazil, the Company has not recorded a portion of tax assets of R\$ 317,889 (R\$ 335,225 as of December 31, 2015), which do not have an expiration date. The subsidiaries abroad had R\$ 349,072 (R\$ 483,469 as of December 31, 2015) of tax credits on capital losses which deferred tax assets have not been booked and which expire between 2029 and 2035 and also several tax losses of state credits in the amount of R\$ 857,215 (R\$ 841,008 as of December 31, 2015), which expire at various dates between 2017 and 2036.

Table of Contents**NOTE 9 INVESTMENTS**

	Jointly controlled entities				Associate companies			Corporación Centro	
	Jointly controlled entities	Gerdau Corsa	Gerdau	Dona Francisca	Armacero	Grupo Multisteel Business	Corsa Controladora	Americana del	Others
	North America	S.A.P.I. de C.V.	Metaldom Corp.	Energética S.A.	Ind. Com. Ltda.	Holdings Corp.	S.A. de C.V.	Acero, S.A.	
Balance as of January 1, 2014	326,764	129,391		132,917	26,120	286,768	296,203	390,578	1,290
Equity in earnings	71,518	(11,507)	7,389	23,765	(5,062)	17,923	1,029	(3,180)	
Cumulative Translation Adjustment	(8,405)	(7,954)	30,942		(807)	15,502	1,177	50,269	291
Capital increase			37,678						
Mergers			288,272			(288,272)			
Impairment of assets						(31,921)			
Disposal of investment	(288,695)								
Dividends/Interest on equity	(61,030)			(32,471)				(2,099)	
Balance as of December 31, 2014	40,152	109,930	364,281	124,211	20,251		298,409	435,568	1,581
Equity in earnings	14,432	(88,690)	38,485	11,725	(1,933)		(7,574)	9,053	
Cumulative Translation Adjustment	11,265	27,021	173,079		2,611		68,733	134,749	503
Capital increase		40,524							
Impairment of assets								(361,786)	
Control acquisition					(20,929)				
Dividends/Interest on equity	(5,116)			(46,341)				(1,312)	
Balance as of December 31, 2015	60,733	88,785	575,845	89,595			359,568	216,272	2,084
Equity in earnings	13,533	(96,306)	16,362	17,780			12,155	23,705	
Cumulative Translation Adjustment	(9,492)	(11,748)	(88,051)				(105,420)	(36,134)	(350)
Effect of selling of subsidiary (note 3.4)								(203,843)	(1,734)
Dividends/Interest on equity	(8,282)		(99,634)	(16,579)					
Balance as of December 31, 2016	56,492	(19,269)	404,522	90,796			266,303		

**Composition of Goodwill**

	2016	2015	2014
Dona Francisca Energética S.A.	17,071	17,071	17,071
Corsa Controladora S.A. de C.V.	164,548	234,222	187,981
Corporación Centroamericana del Acero, S.A.			261,362
	181,619	251,293	466,414

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	Land and buildings	Machines, equipment, and installations	Data electronic equipment	Property, plant and equipment under construction	Other	Total
<b>Gross cost of the property, plant, and equipment</b>						
Balances as of January 1, 2014	8,480,111	26,735,902	696,667	3,737,616	1,233,541	40,883,837
Additions	41,207	7,994	10,900	2,126,112	80,489	2,266,702
Capitalized interest				132,269		132,269
Transfers	397,150	1,463,771	35,302	(1,907,562)	11,339	
Disposals	(57,777)	(240,760)	(13,930)	(139,306)	(36,766)	(488,539)
Impairment		(339,374)				(339,374)
Foreign exchange effect	223,074	806,541	26,516	116,498	8,010	1,180,639
Balances as of December 31, 2014	9,083,765	28,434,074	755,455	4,065,627	1,296,613	43,635,534
Additions	2,150	238,060	8,194	2,000,515	75,799	2,324,718
Capitalized interest				213,476		213,476
Business Combination	30,693	10,767	503	1,784	10,853	54,600
Transfers	462,812	1,475,130	40,512	(1,999,840)	21,386	
Disposals	(69,777)	(142,936)	(20,166)	(103,959)	(29,769)	(366,607)
Impairment	(60,952)	(1,501,293)		(543,726)		(2,105,971)
Foreign exchange effect	1,394,111	4,102,898	154,768	434,999	95,603	6,182,379
Balances as of December 31, 2015	10,842,802	32,616,700	939,266	4,068,876	1,470,485	49,938,129
Additions	35,238	93,290	2,126	1,117,317	75,920	1,323,891
Capitalized interest				187,375		187,375
Transfers	584,575	2,665,898	74,804	(3,314,746)	(10,531)	
Disposals	(81,256)	(271,104)	(60,542)	(1,550)	(46,888)	(461,340)
Effect of selling of subsidiary (note 3.4)	(1,011,492)	(1,726,440)	(112,319)	(53,630)	(52,281)	(2,956,162)
Impairment (note 28)	(52,071)	(183,788)	(228)		(3,242)	(239,329)
Foreign exchange effect	(834,043)	(2,560,676)	(81,033)	(240,994)	(74,219)	(3,790,965)
Balances as of December 31, 2016	9,483,753	30,633,880	762,074	1,762,648	1,359,244	44,001,599

	Land and buildings	Machines, equipment, and installations	Data electronic equipment	Property, plant and equipment under construction	Other	Total
<b>Accumulated depreciation</b>						
Balances as of January 1, 2014	(3,267,451)	(15,200,584)	(610,988)		(385,740)	(19,464,763)
Depreciation, amortization and depletion	(305,995)	(1,591,703)	(42,231)		(76,205)	(2,016,134)
Transfers	(1,115)	911	171		33	
Disposals	27,433	441,774	12,217		72,892	554,316
Foreign exchange effect	(71,069)	(475,730)	(23,952)		(6,413)	(577,164)
Balances as of December 31, 2014	(3,618,197)	(16,825,332)	(664,783)		(395,433)	(21,503,745)
Depreciation, amortization and depletion	(323,824)	(1,842,158)	(48,195)		(96,391)	(2,310,568)
Transfers	8,815	(9,071)	360		(104)	
Disposals	26,846	175,405	15,512		28,844	246,607
Foreign exchange effect	(481,359)	(2,913,862)	(130,514)		(60,362)	(3,586,097)



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Balances as of December 31, 2015	(4,387,719)	(21,415,018)	(827,620)	(523,446)	(27,153,803)
Depreciation, amortization and depletion	(334,365)	(1,738,759)	(44,437)	(100,259)	(2,217,820)
Transfers	(12,015)	(2,368)	968	13,415	
Disposals	14,696	243,429	56,466	31,589	346,180
Effect of selling of subsidiary (note 3.4)	524,209	1,515,886	95,809	37,965	2,173,869
Foreign exchange effect	296,523	1,792,251	69,172	43,920	2,201,866
Balances as of December 31, 2016	(3,898,671)	(19,604,579)	(649,642)	(496,816)	(24,649,708)
<b>Net property, plant and equipment</b>					
Balances as of December 31, 2014	5,465,568	11,608,742	90,672	4,065,627	22,131,789
Balances as of December 31, 2015	6,455,083	11,201,682	111,646	4,068,876	22,784,326
Balances as of December 31, 2016	5,585,082	11,029,301	112,432	1,762,648	19,351,891

The average rate of capitalized interest in 2016 was 6.6% (6.4% in 2015 and 6.1% in 2014).

The following useful lives are used to calculate depreciation, amortization, and depletion:

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	Useful lives of property, plant and equipment
Buildings	20 to 33 years
Machines, equipment, and installations	10 to 20 years
Furniture and fixture	5 to 10 years
Vehicles	3 to 5 years
Data electronic equipment	2.5 to 6 years

**b) Guarantees** property, plant and equipment have been pledged as collateral for loans and financing in the amount of R\$ 632,376 as of December 31, 2016 (R\$ 823,650 and R\$ 862,244 as of December 31, 2015 and 2014, respectively).

**c) Impairment of property, plant and equipment** At December 31, 2016, the carrying amount of items of property, plant and equipment for which an impairment loss has been recognized up to current year is R\$ 112,438 for land, buildings and construction (R\$ 90,920 as of December 31, 2015), R\$ 642,592 for machines, equipment and installations (R\$ 1,609,410 as of December 31, 2015), R\$ 543,726 for Property, plant and equipment under construction (R\$ 543,726 as of December 31, 2015). According to note 3.4, the Company deconsolidated subsidiaries and the amounts above contemplate these effects.

**NOTE 11 GOODWILL**

The changes in goodwill are as follows:

	Goodwill	Accumulated impairment losses	Goodwill after Impairment losses
Balance as of January 1, 2014	11,617,330	(264,285)	11,353,045
(+/-) Foreign exchange effect	1,217,668	(14,309)	1,203,359
Balance as of December 31, 2014	12,834,998	(278,594)	12,556,404
(+/-) Foreign exchange effect	5,264,188	(167,679)	5,096,509
(-) Impairment (note 28)		(2,528,483)	(2,528,483)
Balance as of December 31, 2015	18,099,186	(2,974,756)	15,124,430
(+/-) Foreign exchange effect	(2,645,368)	63,516	(2,581,852)
(-) Impairment (note 28)		(2,678,582)	(2,678,582)
(-) Effect of selling of subsidiary (note 3.4)	(393,980)		(393,980)
Balance as of December 31, 2016	15,059,838	(5,589,822)	9,470,016

The amounts of goodwill by segment are as follows:

	2016	2015	2014
Brazil	380,644	519,327	553,607
Special Steel	2,508,056	3,409,429	2,852,631

South America			408,960
North America	6,581,316	11,195,674	8,741,206
	9,470,016	15,124,430	12,556,404

**NOTE 12 INTANGIBLE ASSETS**

Intangible assets consist mainly of relationships recognized upon business combinations and software development, with application in the management of the business:

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	Supplier relationships	Software development	Customer contracts and relationships	Others	Total
Balance as of January 1, 2014	66,972	599,438	796,327	35,182	1,497,919
Foreign exchange effect		29,854	91,031	1,016	121,901
Acquisition		123,755	3,302	14,899	141,956
Disposal				(3,416)	(3,416)
Amortization	(10,318)	(63,460)	(127,745)	(9,739)	(211,262)
Balance as of December 31, 2014	56,654	689,587	762,915	37,942	1,547,098
Foreign exchange effect		123,167	327,424	14,375	464,966
Acquisition		118,933		7,495	126,428
Disposal		(1,182)		(4,208)	(5,390)
Amortization	(9,083)	(120,497)	(164,968)	(2,793)	(297,341)
Balance as of December 31, 2015	47,571	810,008	925,371	52,811	1,835,761
Foreign exchange effect		(60,464)	(140,812)	(7,509)	(208,785)
Acquisition		40,643		13,401	54,044
Disposal		(2,145)		(13,050)	(15,195)
Amortization	(7,845)	(149,911)	(155,063)	(5,316)	(318,135)
(-) Effect of selling of subsidiary (note 3.4)				(27,749)	(27,749)
Balance as of December 31, 2016	39,726	638,131	629,496	12,588	1,319,941
Estimated useful lives	5 to 20 years	7 years	5 to 20 years	5 years	

The composition of other intangible assets by segment is as follows:

	2016	2015	2014
Brazil	412,134	459,383	460,954
Special Steel	219,878	357,435	248,877
South America	7,606	13,507	15,748
North America	680,323	1,005,436	821,519
	1,319,941	1,835,761	1,547,098

**NOTE 13 LOANS AND FINANCING**

Loans and financing are as follows:

	Annual charges (*)	2016	2015
Working capital	10.32%	3,468,490	3,814,454
Financing of property, plant and equipment and others	8.12%	2,855,860	3,996,409
Ten/Thirty Year Bonds	6.20%	14,093,460	18,403,132
Total Loans and Financing		20,417,810	26,213,995
Current		4,458,220	2,387,237
Non-current		15,959,590	23,826,758
Principal amount of loans and Financing		20,049,854	25,760,836
Interest accrued of loans and Financing		367,956	453,159
Total Loans and Financing		20,417,810	26,213,995

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(\*) Weighted average effective interest costs on December 31, 2016.

Loans and financing denominated in Brazilian reais are indexed to the TJLP (long-term interest rate, CDI (Interbank Deposit Certificate), or by the IGP-M (general market price index) and IPCA (Amplified Consumer Price).

Summary of loans and financing by currency:

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	2016	2015
Brazilian Real (BRL)	3,228,759	3,224,563
U.S. Dollar (USD)	16,487,116	21,637,029
Other currencies	701,935	1,352,403
	20,417,810	26,213,995

The amortization schedules of long term loans and financing are as follows:

	2016	2015
2017		4,636,764
2018	1,679,416	1,530,746
2019	875,319	968,992
2020	3,261,435	3,813,070
2021	3,500,937	7,390,820
2022 on	6,642,483	5,486,366
	15,959,590	23,826,758

**a) Main funding in 2016**

In June and July 2016, the subsidiaries Gerdau Aços Longos S.A and Gerdau Açominas S.A. obtained R\$ 670.1 million through the BNDES EXIM Program, with maturity in two years.

**b) Covenants**

In September 2015, the Company completed the renegotiation process of financial covenants in all contracts of Gerdau S.A. Starting from October 2015, only operations with BNDES include the Company's contract established debt ratios, however with different features from those in contracts with commercial banks. In the event of a possible breach of the indicator at the annual measurement, the Company enters into a curing period and a subsequent warranties renegotiation, not characterizing the possibility of a default event.

**c) Guarantees**

All loans contracted under the FINAME/BNDES program, totaling R\$ 130.3 million on December 31, 2016, are guaranteed by the assets being financed.

**d) Credit Lines**

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In June 2009, the subsidiaries of the Company, Gerdau Açominas S.A., Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and the former subsidiary Aços Villares S.A., obtained a pre-approved credit line with BNDES in the total amount of R\$ 1.5 billion to be used for the revamp and modernization of several areas, an increase in the production capacity of certain product lines, investment in logistics and energy generation, and also environmental and sustainability projects. The funds are made available at the time each subsidiary starts its specific investment and presents to BNDES the evidence of the investment made. The interest rate for this credit line is determined at the time of each disbursement, and is composed by indexes linked to of TJLP + 2.16% p.a. As of December 31, 2016, the outstanding balance of this credit facility was R\$ 665.7 million.

In November 2015, the Company concluded the renewal and decrease of the volume of the Senior Unsecured Global Working Capital Credit Agreement, which is a US\$ 1 billion revolving credit line with the purpose of providing liquidity to its subsidiaries. The line is divided into two tranches, US\$ 250 million destined for Gerdau's North American subsidiaries borrowing needs and US\$ 750 million for Gerdau's Latin American subsidiaries borrowing needs. The total term of the transaction is 3 years and the following companies guarantee this agreement: Gerdau S.A., Gerdau Açominas S.A., Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A. As of December 31, 2016, the outstanding balance of this credit line was US\$ 195 million (R\$ 635.5 million as of December 31, 2016).

Table of Contents**NOTE 14 DEBENTURES**

Issuance	General Meeting	Quantity as of December 31, 2016		Maturity	2016	2015
		Issued	Held in treasury			
3rd- A and B	May 27, 1982	144,000	136,259	06/01/2021	44,292	64,184
7th	July 14, 1982	68,400	63,587	07/01/2022	35,942	43,928
8th	November 11, 1982	179,964	168,242	05/02/2023	57,191	75,061
9th	June 10, 1983	125,640	124,203	09/01/2024	10,731	13,888
11th - A and B	June 29, 1990	150,000	147,561	06/01/2020	17,267	49,801
<b>Total Consolidated</b>					165,423	246,862
Non-current					165,423	246,862

The amortization schedules of long term are as follows:

	2016	2015
2020	17,267	49,801
2021	44,292	64,184
2022 on	103,864	132,877
	165,423	246,862

Debentures are denominated in Brazilian reais, they are not convertible into shares and have variable interest at a percentage of the CDI (Interbank Deposit Rate). The nominal annual interest rate was 14.00% and 13.24% as of December 31, 2016 and December 31, 2015, respectively.

The Company has guarantees provided by parent entity for debentures of the 7<sup>a</sup>, 8<sup>a</sup>, 9<sup>a</sup> and 11<sup>a</sup> issuances.

**NOTE 15 - FINANCIAL INSTRUMENTS**

a) **General considerations** - Gerdau S.A. and its subsidiaries enter into transactions with financial instruments whose risks are managed by means of strategies and exposure limit controls. All financial instruments are recorded in the accounting books and presented as cash and cash equivalents, short-term investments, trade accounts receivable, trade accounts payable, Loans and financing, debentures, related-party transactions, unrealized gains on derivatives, unrealized losses on derivatives, Judicial deposits, Obligations with FIDC, other current assets, other non-current assets, other current liabilities and other non-current liabilities.

The Company has derivatives and non-derivative instruments, such as the hedge for some operations under hedge accounting. These operations are non-speculative in nature and are intended to protect the company against exchange rate fluctuations on foreign currency loans and against



interest rate fluctuations.

**b) Market value** the market value of the aforementioned financial instruments is as follows:

	2016		2015	
	Book value	Fair value	Book value	Fair value
<b>Assets</b>				
Cash and cash equivalents	5,063,383	5,063,383	5,648,080	5,648,080
Short-term investments	1,024,411	1,024,411	1,270,760	1,270,760
Trade accounts receivable	3,576,699	3,576,699	4,587,426	4,587,426
Related parties	57,541	57,541	54,402	54,402
Unrealized gains on financial instruments	12,951	12,951	43,601	43,601
Judicial deposits	1,861,784	1,861,784	1,703,367	1,703,367
Other current assets	668,895	668,895	454,140	454,140
Other non-current assets	447,260	447,260	490,583	490,583
<b>Liabilities</b>				
Trade accounts payable	2,743,818	2,743,818	3,629,788	3,629,788
Loans and Financing	20,417,810	20,716,266	26,213,995	23,115,570
Debentures	165,423	165,423	246,862	246,862
Related parties			896	896
Unrealized losses on financial instruments	6,584	6,584		
Obligation with FIDC	1,007,259	1,007,259	853,252	853,252
Other current liabilities	514,599	514,599	829,182	829,182
Other non-current liabilities	401,582	401,582	690,766	690,766

The fair values of Loans and Financing are based on market premises, which may take into consideration discounted cash flows using equivalent market rates and credit rating. All other financial instruments, which are recognized in the Consolidated Financial Statements at their carrying amount, are substantially similar to those that would be obtained if they were traded in the market.

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However, because there is no active market for these instruments, differences could exist if they were settled in advance. The fair value hierarchy of the financial instruments above are presented in Note 15.g.

**c) Risk factors that could affect the Company's and its subsidiaries' businesses:**

**Price risk of commodities:** this risk is related to the possibility of changes in prices of the products sold by the Company or in prices of raw materials and other inputs used in the productive process. Since the Company operates in a commodity market, net sales and cost of sales may be affected by changes in the international prices of their products or materials. In order to minimize this risk, the Company constantly monitors the price variations in the domestic and international markets.

**Interest rate risk:** this risk arises from the possibility of losses (or gains) due to fluctuations in interest rates applied to the Company's financial liabilities or assets and future cash flows and income. The Company evaluates its exposure to these risks: (i) comparing financial assets and liabilities denominated at fixed and floating interest rates and (ii) monitoring the variations of interest rates like Libor and CDI. Accordingly, the Company may enter into interest rate swaps in order to reduce this risk.

**Exchange rate risk:** this risk is related to the possibility of fluctuations in exchange rates affecting the amounts of financial assets or liabilities or of future cash flows and income. The Company assesses its exposure to the exchange rate by measuring the difference between the amount of its assets and liabilities in foreign currency. The Company understands that the accounts receivables originated from exports, its cash and cash equivalents denominated in foreign currencies and its investments abroad are more than equivalent to its liabilities denominated in foreign currency. Since the management of these exposures occurs at each operation level, if there is a mismatch between assets and liabilities denominated in foreign currency, the Company may employ derivative financial instruments in order to mitigate the effect of exchange rate fluctuations.

**Credit risk:** this risk arises from the possibility of the company not receiving amounts arising from sales to customers or investments made with financial institutions. In order to minimize this risk, the company adopts the procedure of analyzing in details of the financial position of their customers, establishing a credit limit and constantly monitoring their balances. Regarding cash investments, the Company invests solely in financial institutions with low credit risk, as assessed by rating agencies. In addition, each financial institution has a maximum limit for investment, determined by the Company's Credit Committee. If customers are classified by an independent agency, these ratings are used. If an independent assessment is not available, the Company's credit area provides a credit rating assessment, taking into consideration its financial position, past experience and other factors.

**Capital management risk:** this risk comes from the Company's choice in adopting a financing structure for its operations. The Company manages its capital structure, which consists of a ratio between the financial debts and its own capital (Equity) based on internal policies and benchmarks. The KPIs (Key Performance Indicators) related to the objective Capital Structure Management are: WACC (Weighted Average Cost of Capital), Net Debt/ EBITDA, Net Financial Expenses Coverage Ratio, and Indebtedness/Equity Ratio. The Net Debt is composed of the outstanding principal of the debt, less cash, cash equivalents and short-term investments (notes 4, 13 and 14). The total capitalization is formed by Total Debt (composed by the outstanding principal of the debt) and equity (note 22). The Company may change its capital structure, as economic and financial conditions to optimize its financial leverage and its debt management. At the same time, the Company seeks to improve its ROCE (Return on Capital Employed) by implementing a working capital management and an efficient program of capital expenditures. In the long-term, the Company seeks to remain between the parameters below, admitting specific short-term variations:

WACC	between 10% to 13% a year
Net debt/EBITDA	less than or equal to 2.5 times
Net Financial Expenses Coverage Ratio	greater than 5.5 times
Debt/Equity Ratio	less than or equal to 60%

These key indicators are used to monitor objectives described above and may not necessarily be used as indicators for other purposes, such as impairment tests.

**Liquidity risk:** the Company's management policy of indebtedness and cash on hand is based on using the committed lines and the currently available credit lines with or without a guarantee in export receivables for maintaining adequate levels of short, medium, and long-term liquidity. The maturity of long-term loans and financing, and debentures are presented in Notes 13 and 14, respectively.

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Contractual obligations	Total	Less than 1 year	2016 1-3 years	4-5 years	More than 5 years
Trade accounts payable	2,743,818	2,743,818			
Loans and financing	29,258,030	5,940,222	4,818,322	8,443,080	10,056,406
Debentures	277,879			93,488	184,391
Unrealized losses on financial instruments	6,584	6,584			
Obligations with FIDC	1,007,259				1,007,259
Other current liabilities	514,599	514,599			
Other non-current liabilities	401,582		11,081		390,501
	<b>34,209,751</b>	<b>9,205,223</b>	<b>4,829,403</b>	<b>8,536,568</b>	<b>11,638,557</b>

Contractual obligations	Total	Less than 1 year	2015 1-3 years	4-5 years	More than 5 years
Trade accounts payable	3,629,788	3,629,788			
Loans and financings	36,406,921	3,981,169	8,707,922	6,607,539	17,110,291
Debentures	462,350			80,903	381,447
Related parties	896				896
Obligations with FIDC	853,252				853,252
Other current liabilities	829,182	829,182			
Other non-current liabilities	690,766		25,951		664,815
	<b>42,873,155</b>	<b>8,440,139</b>	<b>8,733,873</b>	<b>6,688,442</b>	<b>19,010,701</b>

**Sensitivity analysis:**

The Company performed a sensitivity analysis, which can be summarized as follows:

**Impacts on Statements of Income**

Assumptions	Percentage of change	2016	2015
Foreign currency sensitivity analysis	5%	253,294	217,492
Interest rate sensitivity analysis	10bps	63,416	99,147
Sensitivity analysis of changes in prices of products sold	1%	376,517	435,812
Sensitivity analysis of changes in raw material and commodity prices	1%	228,637	271,264
Sensitivity analysis of interest rate and foreign currency swaps	10 bps/5%	9,869	12,202
Sensitivity analysis of NDF s (Non Deliverable Forwards)	5%	15,816	18,288

**Foreign currency sensitivity analysis:** as of December 31, 2016, the Company is mainly exposed to variations between the Brazilian *real* and US Dollar. The sensitivity analysis made by the Company considers the effects of an increase or a reduction of 5% between the Brazilian *real* and the US Dollar on debts that do not have hedge operations. The impact calculated considering such variation in the foreign exchange rate totals R\$ 253,294 and R\$ 177,711 after the effects of changes in the net investment hedge described in note 15.g - (R\$ 217,492 and R\$ 114,735 as of December 31, 2015, respectively). In the case of a depreciation of the Brazilian *real* against the US Dollar, it would represent an

expense in the same amount. However, due to the net investment hedge these effects would be mitigated when considered the income tax and exchange rate variance accounts.

The net amounts of trade accounts receivable and trade accounts payable denominated in foreign currency do not represent any relevant risk in the case of any fluctuation of exchange rates.

**Interest rate sensitivity analysis:** The interest rate sensitivity analysis made by the Company considers the effects of an increase or reduction of 10 basis point (bps) on the average interest rate applicable to the floating part of its debt. The calculated impact, considering this variation in the interest rate totals R\$ 63,416 as of December 31, 2016 (R\$ 99,147 as of December 31, 2015) and would impact the Financial expenses account in the Consolidated Statements of Income. The specific interest rates to which the Company is exposed are related to the loans, financing, and debentures presented in Notes 13 and 14, and are mainly comprised by Libor and CDI Interbank Deposit Certificate.

**Sensitivity analysis of changes in sales price of products and price of raw materials and other inputs used in production:** the Company is exposed to changes in the price of its products. This exposure is associated with the fluctuation of the sale price of the Company's products and the price of raw materials and other inputs used in the production process, mainly for operating in a commodity market. The sensitivity analysis made by the Company considers the effects of an increase or of a reduction of 1% on both prices. The impact measured considering this variation in the price of products sold, considering the revenues and costs of the year ended on December 31, 2016, totals R\$ 376,517 (R\$ 435,812 as of December 31, 2015) and the variation in the price of raw materials and other inputs totals R\$ 228,637 as of December 31, 2016 (R\$ 271,264 as of December 31, 2015). The impact in the price of products sold and raw materials would be recorded in the accounts Net Sales and Cost of Sales, respectively, in the Consolidated

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Statements of Income. The Company does not expect to be more vulnerable to a change in one or more specific product or raw material.

**Sensitivity analysis of interest rate and foreign currency swaps:** the Company has exposure to interest rate swaps for some of its loans and financing. The sensitivity analysis calculated by the Company considers the effects of either an increase or a decrease of 10 bps in the interest curve and of 5% in the exchange rate, and its impacts in the swaps mark to market. These variations represent an income or expense of R\$ 9,870 (R\$ 12,202 as of December 31, 2015). These effects would be recognized in the statement of comprehensive income. The interest rate swaps to which the Company is exposed to are presented in note 15.e.

**Sensitivity analysis of forward contracts in US Dollar:** the Company has exposure in forward contracts in US Dollar to some of its assets and liabilities. The sensitivity analysis calculated by the Company considers an effect of a 5% US Dollar depreciation or appreciation against the Brazilian *real*, Colombian Peso and Indian Rupee and corresponds to the effects on the mark to market of such transactions. An increase of 5% on the US Dollar against the Brazilian *real*, Colombian Peso and Indian Rupee represents a gain of R\$ 15,816 as of December 31, 2016 (R\$ 18,288 as of December 31, 2015) and a decrease of 5% on the US Dollar against the Brazilian *real*, Colombian Peso and Indian Rupee represents a loss in the same amount presented above. The Dollar/Brazilian *real* forward contracts had the objective to minimize the impact of the exchange variance in its Dollar future cash flow, while the Dollar/Colombian Peso and Dollar/Indian Rupee forward contracts were entered into to hedge liabilities (debt) and these effects in the mark to market would be recognized in the Consolidated Statement of Income. The forward contracts in US Dollar, in which the Company is exposed, are presented in note 15.e.

**d) Financial Instruments per Category**

Summary of the financial instruments per category:

2016		Assets at fair value with gains and losses recognized in income	Assets at fair value with gains and losses recognized in shareholder's equity	Total
<b>Assets</b>	<b>Loans and receivables</b>			
Cash and cash equivalents	5,063,383			5,063,383
Short-term investments		1,024,411		1,024,411
Unrealized gains on financial instruments			12,951	12,951
Trade accounts receivable	3,576,699			3,576,699
Related parties	57,541			57,541
Judicial deposits	1,861,784			1,861,784
Other current assets	668,895			668,895
Other non-current assets	380,211	67,049		447,260
<b>Total</b>	<b>11,608,513</b>	<b>1,091,460</b>	<b>12,951</b>	<b>12,712,924</b>
Financial income	100,150	300,123		400,273

<b>Liabilities</b>	<b>Liabilities at market value with gains and losses recognized in income</b>	<b>Other financial liabilities at amortized cost</b>	<b>Total</b>
Trade accounts payable		2,743,818	2,743,818
Loans and financings		20,417,810	20,417,810
Debentures		165,423	165,423
Related parties			
FIDC Obligation		1,007,259	1,007,259
Other current liabilities		514,599	514,599
Other non-current liabilities		401,582	401,582
Unrealized losses on financial instruments	6,584		6,584
<b>Total</b>	<b>6,584</b>	<b>25,250,491</b>	<b>25,257,075</b>
Financial income	(58,068)	(1,287,460)	(1,345,528)

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<b>2015</b>		<b>Assets at fair value with gains and losses recognized in income</b>	<b>Assets at fair value with gains and losses recognized in shareholder's equity</b>	
<b>Assets</b>	<b>Loans and receivables</b>			<b>Total</b>
Cash and cash equivalents	5,648,080			5,648,080
Short-term investments		1,270,760		1,270,760
Unrealized gains on financial instruments			43,601	43,601
Trade accounts receivable	4,587,426			4,587,426
Related parties	54,402			54,402
Judicial deposits	1,703,367			1,703,367
Other current assets	454,140			454,140
Other non-current assets	490,583			490,583
<b>Total</b>	<b>12,937,998</b>	<b>1,270,760</b>	<b>43,601</b>	<b>14,252,359</b>
Financial income	823,613	358,515		1,182,128

  

	<b>Liabilities at market value with gains and losses recognized in income</b>	<b>Other financial liabilities at amortized cost</b>	<b>Total</b>
<b>Liabilities</b>			
Trade accounts payable		3,629,788	3,629,788
Loans and financings		26,213,995	26,213,995
Debentures		246,862	246,862
Related parties		896	896
FIDC Obligation		853,252	853,252
Other current liabilities		829,182	829,182
Other non-current liabilities		690,766	690,766
<b>Total</b>		<b>32,464,741</b>	<b>32,464,741</b>
Financial income	(688)	(4,060,336)	(4,061,024)

As of December 31, 2016, the Company has derivative financial instruments such as interest rate swaps and forward contracts in US Dollar. Part of these instruments is classified as cash flow hedges and their effectiveness can be measured, having their unrealized losses and /or gains classified directly in Other Comprehensive Income. The other derivative financial instruments have their realized and unrealized losses and/or gains presented in the account Gains and losses on derivatives, net in the Consolidated Statement of Income.

#### e) Operations with derivative financial instruments

**Risk management objectives and strategies:** In order to execute its strategy of sustainable growth, the Company implements risk management strategies in order to mitigate market risks.

The objective of derivative transactions is always related to mitigating market risks as stated in our policies and guidelines. The monitoring of the effects of these transactions is performed monthly by the Financial Risk Management Committee, which validates the mark to market of these transactions. All derivative financial instruments are recognized at fair value in the Consolidated Financial Statements of the Company.



**Policy for use of derivatives:** The Company is exposed to various market risks, including changes in exchange rates, commodities prices and interest rates. The Company uses derivatives and other financial instruments to reduce the impact of such risks on the fair value of its assets and liabilities or in future cash flows and income. The Company has established policies to evaluate the market risks and to approve the use of derivative transactions related to these risks. The Company enters into derivative financial instruments solely to manage the market risks mentioned above and never for speculative purposes. Derivative financial instruments are used only when they have a related position (asset or liability exposure) resulting from business operations, investments and financing.

**Policy for determining fair value:** the fair value of derivative financial instruments is determined using models and other valuation techniques, including future prices and market curves.

The derivative transactions may include: interest rate swaps, cross currency swaps and currency forward contracts.

#### **Forward Contracts in US Dollar**

The Company has entered into NDFs (Non Deliverable Forward) in order to mitigate the exchange variance risk on liabilities denominated in foreign currencies, mainly US dollar. The counterparties of these transactions are financial institutions with a low credit risk.

Table of Contents**Swap Contracts**

The Company entered into cross currency swaps, designated as a cash flow hedge, contract whereby it receives a variable interest rate based on LIBOR in US dollars and pays a fixed interest rate based in the local currency. The counterparties to these transactions are financial institutions with low credit risk.

The derivatives instruments can be summarized and categorized as follows:

Contracts		Position		Notional value		Amount receivable		Amount payable	
		2016		2015		2016		2015	
Forward									
Maturity at 2016		long in US\$		US\$		108.0 million		37,981	
Maturity at 2017		long in US\$		US\$	84.8 million	734		(6,584)	
Maturity at 2017		short in US\$		US\$	15.0 million	1,823			
Cross currency swap									
Maturity in 2017		receivable under the swap	Libor 6M + 2.25%				5,684	1,756	
		payable under the swap	INR 11.02%	US\$	25.0 million	US\$	25.0 million		
Maturity in 2018		receivable under the swap	Libor 6M +2%				4,710	3,864	
		payable under the swap	INR 10.17%	US\$	40.0 million	US\$	40.0 million		
Total fair value of financial instruments							12,951	43,601	(6,584)

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Prospective and retrospective tests demonstrated the effectiveness of these instruments.

	2016	2015
<b>Unrealized gains on financial instruments</b>		
Current assets	2,557	37,981
Non-current assets	10,394	5,620
	12,951	43,601
<b>Unrealized losses on financial instruments</b>		
Non-current liabilities	(6,584)	
	(6,584)	

	2016	2015
<b>Net Income</b>		
Gains on financial instruments	33,753	129,917
Losses on financial instruments	(72,683)	(42,832)
	(38,930)	87,085
<b>Other comprehensive income</b>		
Gains on financial instruments	212	17,283
	212	17,283

**f) Net investment hedge**

The Company designated as hedge of part of its net investments in subsidiaries abroad the operations of Ten/Thirty Years Bonds. As a consequence, the effect of exchange rate changes on these debts has been recognized in the Statement of Comprehensive Income.

The exchange variation generated on the operations of Ten/Thirty Years Bonds in the amount of US\$ 2.3 billion (designated as hedges) is recognized in the Statement of Comprehensive Income, while the exchange rate on the portion of US\$ 1.0 billion (not designated as hedges) is recognized in income. Additionally, the Company opted to designate as hedge of the net investment financing operations held by the subsidiary Gerdau Açominas SA, in the amount of US\$ 0.2 billion, which were made in order to provide part of the funds to purchase these investments abroad.

Based on the standard and interpretation above, the Company demonstrated effectiveness of the hedge as of its designation dates and demonstrated the high effectiveness of the hedge from the contracting of each debt for the acquisition of these companies abroad, whose effects were measured and recognized directly in the Statement of Comprehensive Income as an unrealized gain, net of taxes, in the amount R\$ 1,679,312 for the year ended on December 31, 2016 (loss of R\$ 3,613,178 on December 31, 2015).

The objective of the hedge is to protect, during the existence of the debt, the amount of part of the Company's investment in the subsidiaries abroad mentioned above against positive and negative oscillations in the exchange rate. This objective is consistent with the Company's risk management strategy. Prospective and retrospective tests demonstrated the effectiveness of these instruments.

**g) Measurement of fair value:**

The IFRS defines fair value as the amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties in an arm's length transaction. The standard also establishes a three level hierarchy for the fair value, which prioritizes information when measuring the fair value by the company, to maximize the use of observable information and minimize the use of non-observable information. This IFRS describes the three levels of information to be used to measure fair value:

Level 1 - quoted prices (unadjusted) in active markets for identical assets and liabilities.

Level 2 - Inputs other than quoted prices included in Level 1 available, where (unadjusted) quoted prices are for similar assets and liabilities in non-active markets, or other data that is available or may be corroborated by market data for substantially the full term of the asset or liability.

Level 3 - Inputs for the asset or liability that are not based on observable market data, because market activity is insignificant or does not exist.

As of December 31, 2016, the Company had some assets which the fair value measurement is required on a recurring basis. These assets include investments in private securities and derivative instruments.

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Financial assets and liabilities of the Company, measured at fair value on a recurring basis and subject to disclosure requirements of IFRS 7 as of December 31, 2016, are as follows:

	Fair Value Measurements at Reporting Date Using				Quoted Prices in Non-Active Markets for Similar Assets	
			Quoted Prices Active Markets for Identical Assets (Level 1)		(Level 2)	
	2016	2015	2016	2015	2016	2015
<b>Current assets</b>						
Cash and cash equivalents	5,063,383	5,648,080			5,063,383	5,648,080
Short-term investments -						
Held for Trading	1,024,411	1,270,760	458,639	476,154	565,772	794,606
Trade Accounts receivable	3,576,699	4,587,426			3,576,699	4,587,426
Unrealized gains on financial instruments	2,557	37,981			2,557	37,981
Other current assets	668,895	454,140			668,895	454,140
<b>Non-current assets</b>						
Related parties	57,541	54,402			57,541	54,402
Unrealized gains on financial instruments	10,394	5,620			10,394	5,620
Judicial deposits	1,861,784	1,703,367			1,861,784	1,703,367
Other non-current assets	447,260	490,583			447,260	490,583
	12,712,924	14,252,359	458,639	476,154	12,254,285	13,776,205
<b>Current liabilities</b>						
Trade accounts payable	2,743,818	3,629,788			2,743,818	3,629,788
Short-term debt	4,458,220	2,387,237			4,458,220	2,387,237
Unrealized losses on financial instruments	6,584				6,584	
Other current liabilities	514,599	829,182			514,599	829,182
<b>Non-current liabilities</b>						
Long-term debt	15,959,590	23,826,758			15,959,590	23,826,758
Debentures	165,423	246,862			165,423	246,862
Obligations with FIDC	1,007,259	853,252			1,007,259	853,252
Other non-current liabilities	401,582	690,766			401,582	690,766
	25,257,075	32,463,845			25,257,075	32,463,845

**NOTE 16 TAXES PAYABLE**

	2016	2015
Payroll charges	89,763	115,295
ICMS (state VAT)	43,915	50,229
COFINS (tax on revenue)	8,470	12,625
IPI (federal VAT)	13,864	5,265
IVA (value-added tax) and others	185,178	166,260
	341,190	349,674

**NOTE 17 TAX, CIVIL AND LABOR CLAIMS AND CONTINGENT ASSETS**

The Company and its subsidiaries are party in judicial and administrative proceedings involving labor, civil and tax matters. Based on the opinion of its legal advisors, Management believes that the provisions recorded for these judicial and administrative proceedings is sufficient to cover probable and reasonably estimable losses from unfavorable court decisions, and that the final decisions will not have significant effects on the financial position, results of operations and liquidity of the Company and its subsidiaries.

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For claims whose expected loss is considered probable, the provisions have been recorded considering the judgment of the Management of the Company with the assistance of its legal advisors and the provisions are considered sufficient to cover expected probable losses. The balances of the provisions are as follows:

**I) Provisions**

	2016	2015
a) Tax provisions		
ICMS (state VAT)	67,942	26,896
Corporate Income Tax and Social Contribution Tax	37,376	36,630
Emergency Capacity Charge and Extraordinary Tariff Adjustment	8,852	34,742
Financing of social integration program and Social security financing	1,678,778	1,423,554
Other tax provisions and Social security contributions	36,823	47,981
b) Labor provisions	358,901	287,613
c) Civil provisions	50,554	47,314
	2,239,226	1,904,730

**a) Tax Provisions**

The tax provisions relate mainly to the discussions concerning the compensation of PIS ( *Contribuição ao Programa de Integração Social - PIS* ) credits, PIS and COFINS ( *Contribuição para o Financiamento da Seguridade Social - COFINS* ) on other revenues and exclusion of ICMS ( *Imposto sobre a circulação de Mercadorias e Serviços - ICMS* ) from the PIS and COFINS tax base. With respect to proceedings dealing with the exclusion of ICMS from the calculation basis of PIS and COFINS, the Company and its subsidiaries are judicially depositing the amounts involved.

**b) Labor Provisions**

The Company and its subsidiaries are party to labor claims. None of these claims involve individually significant amounts and corresponds mainly to overtime pay, health hazard premium, and hazardous duty premium, among others.

**c) Civil Provisions**

The Company and its subsidiaries are also a party to civil lawsuits arising in the normal course of its business, which totaled as of December 31, 2016 the amount shown as provision liabilities.

The changes in the tax, labor and civil provisions are shown below:

	2016	2015
Balance at the beginning of the year	1,904,730	1,576,355
(+) Additions	313,246	307,533
(+) Monetary variation	178,661	144,900
(-) Reversal of accrued amounts	(144,025)	(129,119)
(+) Foreign exchange effect on provisions in foreign currency	(3,235)	5,061
(-) Effect of selling of subsidiary (note 3.4)	(10,151)	
Balance at the end of the year	2,239,226	1,904,730

## II) Contingent liabilities for which provisions were not recorded

Considering the opinion of legal advisors and management's assessment, contingencies listed below have chance of loss considered as possible (but not likely) and due to this classification accruals have not been made in accordance with IFRS.

### a) Tax contingencies

a.1) The Company and its subsidiaries, Gerdau Aços Longos S.A. and Gerdau Açominas S.A. are parties in legal proceedings related to Tax on Circulation of Goods and Services ( *Imposto sobre a circulação de Mercadorias e Serviços - ICMS*) state VAT discussions, which essentially relate to tax credit and rate differences, and aggregately amount to R\$ 1,831,559.



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a.2) The Company and its subsidiaries, Gerdau Açominas S.A.; Gerdau Aços Longos S.A. and Gerdau Aços Especiais S.A., are part in discussions related to other taxes for which no reserve for contingency was established, as the probability of loss is less likely than not. The total amount involved is R\$ 690,745.

a.3) Subsidiary Gerdau Aços Longos S.A. is a party to an administrative proceeding relating to Withholding Income Tax, in the amount of R\$ 117,268, assessed on the remittance abroad of interest charged on export financings under Export Prepayment or Export Advance Agreements. The Company submitted an administrative claim challenging the tax assessment on January 13, 2017, the judgment of which is currently pending before the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

a.4) Subsidiaries Gerdau Internacional Empreendimentos Ltda. and Gerdau Aços Especiais S.A., are parties to administrative and judicial proceedings relating to IRPJ Corporate Income Tax and CSLL Social Contribution Tax, in the current amount of R\$ 1,410,349. Said proceedings relate to profits generated abroad, of which (i) R\$ 1,247,946 correspond to two proceedings involving Gerdau Internacional Empreendimentos Ltda., of which (i.a.) R\$ 347,602 relate to a voluntary appeal which was partially granted in the lower tribunal of the Brazilian Board of Tax Appeals (Conselho Administrativo de Recursos Fiscais CARF, administrative body of the Ministry of Finance of Brazil), and is subject to special appeals currently pending in CARF's superior tribunal, and (i.b) R\$ 900,343 relate to a proceeding that is no longer subject to appeal in CARF and was referred for judicial collection, which collection is being challenged in the competent judicial lower court; and (ii) R\$ 162,403 correspond to a proceeding involving Gerdau Aços Especiais S.A., whose voluntary appeal in CARF's lower tribunal was dismissed, and currently awaits the publication of judgment for the lodging of an appeal.

a.5) Subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., are parties to administrative proceedings relating to the disallowance of the deductibility of goodwill generated in accordance with Article 7 and 8 of Law 9,532/97 as a result of a corporate restructuring carried out in 2004/2005 from the tax base of the Corporate Income tax - IRPJ and Social Contribution on Net Income - CSLL. The total updated amount of the proceedings is R\$ 5,089,155, of which (i) R\$ 3,913,540 correspond to four proceedings involving subsidiaries Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A. and Gerdau Açominas S.A., for which administrative discussions already ended and are currently in the administrative collection stage; and in connection with Gerdau Aços Longos S.A., the Company obtained injunctive relief to permit it to offer a judicial guarantee using a liability insurance policy in the amount of R\$ 2,806,305; (ii) R\$ 505,061 correspond to two proceedings involving Gerdau Aços Longos S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; (iii) R\$ 114,764 correspond to a proceeding involving the subsidiary Gerdau Aços Especiais S.A., whose voluntary appeal is currently pending in CARF's lower tribunal; and (iv) R\$ 555,789 correspond to one proceeding involving the subsidiary Gerdau Aços Longos S.A., the challenge to which was filed by the Company on January 13, 2017 and is currently pending judgment by the Brazilian Federal Revenue Judgment Office (Delegacia de Julgamento da Receita Federal do Brasil).

Some of the decisions obtained at the CARF related to those proceedings along with other matters involving the Company included in the scope of the so-called Operation Zelotes (Operation ) are being investigated by Brazilian federal authorities including the Judiciary Branch, with the

purpose of verifying the occurrence or not of alleged illegal acts.

Considering the involvement of Gerdau's name in press reports concerning the Operation, the Board of Directors decided to engage outside counsel, which would report to a Special Committee of the Board, to conduct an investigation to determine, among other things: (i) whether, in light of current knowledge, proper protocol was followed in the relationship of the Company with governmental authorities, including CARF, and in the hiring of firms representing the Company in cases before CARF; (ii) whether such firms have remained within the scope of their work/hiring; (iii) whether the engagement terms for such firms included clauses intended to prevent activity that violates ethical codes or laws currently in force; (iv) whether the engagement terms for such firms included the establishment of sanctions for any violations (whether contractual breaches or otherwise); and (v) if there is any evidence of fraud, deceit, bad faith, or any expression of an intent to commit an illegal act on the part of directors and/or officers of the Company in the relationship of the Company with governmental authorities, including CARF, in the negotiation, signing or carrying out of the aforementioned contracts ( Internal Investigation ).

The Internal Investigation is ongoing, and the Company as of the date of the approval of these Financial Statements believes it is not possible to predict either the duration or the outcome of the Operation or of the Internal Investigation. Additionally, the Company believes that currently there is not enough information to determine whether a provision for losses is required or to disclose any contingency.

The Company's legal tax advisors have confirmed that the procedures adopted by the Company with respect to the tax treatment of profits abroad and the deductibility of goodwill, which generated the above mentioned proceedings, were strictly legal, and, therefore, the likelihood of loss with respect to said proceedings is possible (but not likely).

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**b) Civil contingencies**

**b.1)** A lawsuit arising from the request by two civil construction unions in the state of São Paulo alleging that Gerdau S.A. and other long steel producers in Brazil share customers, thus, violating the antitrust legislation. After investigations carried out by the Economic Law Department (SDE), the final opinion was that a cartel exists. The lawsuit was therefore forwarded to the Administrative Council for Economic Defense (CADE) for judgment, which resulted in a fine to the Company and other long steel producers an amount equivalent to 7% of gross revenues in the year before the Administrative Proceeding was commenced, excluding taxes (fine of R\$ 245,070, updated by the judicial accounting on August 01, 2013 to R\$ 417,820)

Two lawsuits challenge the investigation conducted by the Competition Defense System and its merits judgment, whose grounds are procedural irregularities, especially the production of evidence, based on an economic study, to prove the lack of a cartel. The suspension of the effects of CADE's decision was granted by the Court, upon offer of bank guarantee letter. Sentences were handed down for the dismissal of the actions and both are found in appeal phase.

The Company denies having been engaged in any type of anti-competitive conduct and believes based on information available, including the opinion of its legal counsel, that it is possible that the decision will be reverted.

**b.2)** The Company and its subsidiaries are parties to other demands of a civil nature that collectively have a discussion amount of approximately R\$ 193,498. For these demands was not performed accounting accrual, since they were considered as possible losses, based on the opinion of its legal advisors.

**b.3)** On May 26, 2016, a securities class action complaint was filed in the United States District Court for the Southern District of New York against Gerdau and certain executives and former executives of the Company by purchasers of American Depositary Receipts (ADRs) of the Company that trade on the New York Stock Exchange. On August 9, 2016, the court appointed the Policemen's Annuity and Benefit Fund of Chicago as lead plaintiff. On October 31, 2016, the lead plaintiff filed an amended complaint under Sections 10(b) and 20(a) of the Securities Exchange Act of 1934 on behalf of a purported class of purchasers of Gerdau ADRs between April 23, 2012 and May 16, 2016. Among other things, the amended complaint alleges that the Company and certain executives engaged in a bribery scheme involving members of the Brazilian Board of Tax Appeals (CARF), which purportedly resulted in the nonpayment of approximately US\$ 429 million in taxes and purportedly resulted in defendants' statements in Gerdau's securities filings about Gerdau's business, operations, and prospects being false and misleading and/or lacking a reasonable basis. The amended complaint includes alleged claims pertaining to the transaction relating to the acquisition of equity interests described in note (c) below. On January 17, 2017, the Company filed a motion to dismiss. The plaintiffs have not specified an amount of alleged damages in the action. For such reason, and because the action is still in its early stages, the Company is unable to reasonably estimate the possibility of loss and the amount of potential losses arising from the litigation.

**c) Administrative proceeding    Brazilian Securities Commission (CVM)**

On July 14, 2015, the Company acquired non-controlling interests in the following companies: Gerdau Aços Longos S.A. (4.77%), Gerdau Açominas S.A. (3.50%), Gerdau Aços Especiais S.A. (2.39%) and Gerdau América Latina Participações S.A. (4.90%), having as counterparty Itaú Unibanco S.A. and ArcelorMittal Netherlands BV. This transaction was approved by the Board of Directors of Gerdau S.A. by unanimous vote of the directors on July 13, 2015, based on the market opportunity and the analysis that the prices were appropriate considering: economic evaluations conducted by independent report, the financial instruments used, the payment terms, capturing value through a more concentrated cash flow and long-term vision for the Company. The Company, in compliance with CVM requests for clarification on the acquisition, disclosed that the decision to its acquisition had exclusively business merit and was duly considered and unanimously approved by the Board of Directors. The terms and conditions for the acquisition considered long-term market prospects. On October 21, 2016, Metalúrgica Gerdau S.A. and certain directors and former directors of Gerdau S.A. filed a defense in the administrative proceeding brought by CVM on the acquisition of non-controlling interests in the subsidiaries, in the sense that the operation was businesslike justified, as above stated. There is no estimate for a final decision of the matter. Metalúrgica Gerdau S.A. believes that, currently, there is not enough information to disclose or determine if a provision for losses is required.

**III) Judicial deposits**

The Company has judicial deposits related to tax, labor and civil lawsuits as listed below:

	2016	2015
Tax	1,716,996	1,521,206
Labor	107,191	82,005
Civil	37,597	100,156
	1,861,784	1,703,367

Table of Contents**IV) Contingent Asset - Eletrobrás Compulsory Loan    Centrais Elétricas Brasileiras S.A. (Eletrobrás)**

The Compulsory Loan, instituted by the Brazilian government in order to expand and improve the energy sector of the country was charged and collected from industrial consumers with monthly consumption equal or superior to 2000kwh through the electricity bills issued by the electric power distribution companies, was converted into credits to the taxpayers based on the annual value of these contributions made between 1977 and 1993. The legislation sets a maximum 20 years period to return the compulsory loan to the taxpayers, providing Eletrobrás the possibility of anticipating this return through the conversion of those loans in shares of its own issue. Prior to the conversion of the credits into shares, those credits were adjusted through an indexer and quantifier, called Standard Unit (SU). It happens that the compulsory loan was charged to the companies in their monthly electricity bills, consolidated during the year, and only indexed by the SU in January of next year, resulting in a lack of monthly monetary adjustment during the years of collection, as well as interest. This procedure imputed to taxpayers considerable financial losses, particularly during the periods when the monthly inflation rates stood at high levels.

In order to claim the appropriate interest and monetary correction, subtracted by the methodology applied by Eletrobrás, the Company (understood to be legal entities existing at the time and later became part of Gerdau S.A.) filed lawsuits claiming credits resulting from differences on the monetary correction of principal, interest, moratory and other accessory amounts owed by Eletrobrás due to the compulsory loans, totaling approximately R\$ 1,260 million. Recently, particularly in 2015, processes involving representative amounts were definitively judged by the Superior Court of Justice - STJ favorable to the Company so that no further appeals against such decisions apply ( final judgment ). For claims with a final judgment, it yet remains the enforcement of ruling (or execution phase) where the actual amounts to be settled will be calculated.

Obtaining favorable decisions represented by the final judgment mentioned above, in accordance with IAS 37, suggests that the inflow of economic benefits has become probable. However, it is not yet practicable to reasonably determine the realization of the gain in the form of fitting of resources arising from these decisions has reached a level of virtually certain and that the Company has control over such assets, which under the above standards, implies that such gains are not recorded until such conditions are demonstrably present.

**NOTE 18 - RELATED-PARTY TRANSACTIONS****a)      Intercompany loans**

	2016	2015
<b>Assets</b>		
<b>Jointly-controlled entities</b>		
Gerdau Corsa SAPI de C.V.	48	43
<b>Others</b>		
Fundação Gerdau	57,493	54,327
Others		32
	57,541	54,402
<b>Liabilities</b>		
<b>Parent company</b>		
Metalúrgica Gerdau S.A.		(896)

	2016	2015	2014
Net financial income	(2,457)	2,712	2,743

**b) Operations with related parties**

During the years ended December 31, 2016 and 2015, the Company, through its subsidiaries, entered into commercial operations with some of its associate and jointly controlled entities including sales of R\$ 421,415 as of December 31, 2016 (R\$ 393,450 as of December 31, 2015) and purchases in the amount of R\$ 141,275 as of December 31, 2016 (R\$ 172,321 as of December 31, 2015). The net amount totals R\$ 280,140 as of December 31, 2016 (R\$ 221,129 as of December 31, 2015).

During the years ended December 31, 2016 and 2015, the Company and its subsidiaries made transactions with controlling shareholders, directly or indirectly, mainly of guarantees provided by the controlling in guarantees of debentures, on which the Company pays a fee of 0.95 % p.a. on the amount guaranteed. The effect of these transactions was an expense of R\$ 4,732 (R\$ 3,204

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as of December 31, 2015). Additionally, the Company recorded revenues of R\$ 1,001 (R\$ 929 as of December 31, 2015), derived from rental agreement.

**Guarantees granted**

<b>Related Party</b>	<b>Relationship</b>	<b>Object</b>	<b>Original Amount</b>	<b>Maturity</b>	<b>2016</b>	<b>2015</b>
GTL Trade Finance Inc.	Subsidiary	10-year Bond	1,744,000	Oct/17	2,577,296	3,379,741
GTL Trade Finance Inc.	Subsidiary	30-year Bond	1,118,000	Apr/44	1,629,550	1,952,400
Diaco S.A.	Subsidiary	Financing Agreements	520,308	jun/17 - nov/18	397,238	626,694
Gerdau Holding Inc.	Subsidiary	10-year Bond	2,188,125	Jan/20	1,801,389	2,364,520
Gerdau Trade Inc.	Subsidiary	10-year Bond	2,117,750	Jan/21	3,345,222	4,441,222
Gerdau Corsa S.A.P.I. de C.V.	Joint-venture	Financing Agreements	2,463,517	oct/16 - dec/20	2,016,260	2,411,984
GTL Trade Finance Inc., Gerdau Holdings Inc.	Subsidiary	10-year Bond	2,606,346	Apr/24	2,987,154	4,289,681
Sipar Aceros S.A.	Subsidiary	Financing Agreements	452,113	jun/17 - sep/21	434,706	557,683
Gerdau Trade Inc.	Subsidiary	10-year Bond	1,501,275	Apr/23	1,832,625	2,341,060
Gerdau Steel India Ltd.	Subsidiary	Financing Agreements	295,471	aug/17 - feb/19	354,585	457,371
Gerdau Steel India Ltd.	Subsidiary	Financing Agreements	88,797	Undetermined	55,130	89,015
Comercial Gerdau Bolivia	Subsidiary	Financing Agreements	12,980	nov/17	13,036	15,619
Gerdau Açominas S.A.	Subsidiary	Financing Agreements	3,160,958	jul/18 - feb/21	2,627,205	2,833,557
Gerdau Ameristeel US. Inc.	Subsidiary	Bond 25 yers	103,596	Oct/37	166,214	199,145
Gerdau Aços Longos S.A.	Subsidiary	Financing Agreements	556,247	oct/24 - dec/30	318,784	353,023
Gerdau Aços Longos S.A.	Subsidiary	Financing Agreements	298,103	may/17 - jul/18	304,194	55,433
Siderurgica Zuliana, C.A.	Subsidiary	Financing Agreements	66,680	jun/17	65,182	117,144
Sidertul, S.A. de C.V.	Subsidiary	Financing Agreements		sep/16		82,832
Sidertul, S.A. de C.V.	Subsidiary	Financing Agreements		sep/16		468,446
Gerdau Aços Especiais S.A.	Subsidiary	Financing Agreements	70,000	feb/20	63,000	70,000
Gerdau Açominas S.A., Gerdau Aços Longos S.A., Gerdau Aços Especiais S.A.	Subsidiary	Financing Agreements		jul/16		7,167

**c) Debentures**

Debentures are held by direct or indirect shareholders in the amount of R\$ 33,438 as of December 31, 2016 (R\$ 73,485 as of December 31, 2015), which corresponds to 5,964 debentures (13,233 as of December 31, 2015).

**d) Price and interest**

Loan agreements between Brazilian companies carry interest based on the CDI (Interbank Deposit Certificate) and Libor rate plus exchange variance, when applicable. Sales of products and purchases of inputs are made under terms and conditions agreed between the parties.



Table of Contents**e) Key Management compensation**

The cost of the key management salaries, variable compensation and benefits was R\$ 33,686 during 2016 (R\$ 49,823 in 2015). In 2016, contributions to management's defined contribution pension plans totaled R\$ 1,359 (R\$ 1,408 in 2015).

Stock options granted to management are as follows:

	<b>2016</b>	
	<b>Number of shares</b>	<b>Weighted exercise price R\$</b>
Balance as of January 1, 2015	1,564,341	19.53
Options Forfeited	(1,130,091)	19.56
Others	112,420	
Balance as of December 31, 2015	546,670	18.36
Options Forfeited	(148,491)	20.49
Balance as of December 31, 2016	398,179	16.64

At the end of the year, the Restricted Shares resulting from the conversion process within the key management were:

	<b>2016</b>	<b>2015</b>
Available at beginning of the year	1,669,557	3,376,191
Granted	3,399,729	1,827,811
Exercised	(237,287)	(2,934,567)
Forfeited		(599,878)
Available at the end of the year	4,831,999	1,669,557

Additional information on the long-term incentive plan are presented in Note 25.

The cost of long-term incentive plans recognized in income and attributable to key management (members of Board of Directors and executive officers) totaled R\$ 14,095 during 2016 (R\$ 10,999 and R\$ 16,043 during 2015 and 2014, respectively).

Additionally, for the year ended December 31, 2016, the compensation for the members of the Advisory Board was R\$ 1,958 (R\$ 1,129 in 2015), being the amount of 2015 the compensation of the Advisory Board as from its creation in May/15.

**NOTE 19 EMPLOYEE BENEFITS**

Total assets and liabilities of all types of employee benefits granted by the Company and its subsidiaries as of December 31, 2016, are as follows:

	2016	2015
Plan assets - Defined contribution pension plan	1,490	9,025
Plan assets - Defined benefit pension plan	55,307	131,363
Total assets	56,797	140,388
Actuarial liabilities - Defined benefit pension plan	1,144,080	1,185,984
Actuarial liabilities - Post-employment health care benefit	305,447	446,840
Retirement and termination benefit liabilities	55,276	73,197
Total liabilities	1,504,803	1,706,021
Current	409	18,535
Non-current	1,504,394	1,687,486

**a) Post-employment defined benefit pension plan**

The Company's Canadian and US subsidiaries sponsor defined benefit plans (Canadian Plan and American Plan), collectively referred to as the North-American Plans, that cover substantially all their employees and provide supplemental benefits to employees during retirement.

Additionally, the Company and its subsidiaries in Brazil sponsored a defined benefit pension plan (Brazilian plans), which are managed through Gerdau - Sociedade de Previdência Privada, a closed supplementary pension entity. In 2010, it was approved the

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settlement of a defined benefit plan, in which the participants had the rights for the benefit settled. All participants of those plans, which are now settled, were able to: (i) choose to adhere to a new defined contribution plan, when it was authorized to transfer the amount related to the individual mathematical reserve from the settled plan for the new plan and add amounts to this reserve through future contributions and sponsors, plus the resources profitability; or (ii) do not transfer the reserve and maintain the benefit settled in the defined benefit plan, adjusted by the INPC (National Index of Consumer Prices).

The assumptions adopted for pension plans can have a significant effect on the amounts disclosed and recorded for these plans. Due to the migration process and the closing of the Brazilian pension plans in 2010, the Company is not calculating the potential effects of changes in discount rates and expected return rate on assets for these plans. The potential effects of changes to the North-American Plans on the Consolidated Statement of Income are presented below:

	1% Increase	1% Decrease
Discount rate	(19,793)	16,781

The accumulated amount recognized in other Comprehensive Income for employee benefits is R\$ (1,111,842) at December 31, 2016 (R\$ (1,069,661) at December 31, 2015).

**Defined Benefit Pension Plan**

The current expenses of the defined benefit pension plans are as follows:

	2016	2015	2014
Cost of current service	57,619	121,962	78,271
Interest expense	199,389	226,406	160,864
Return on plan assets	(186,856)	(216,005)	(186,800)
Past service cost	2,788	(151,685)	
Curtailment		(4,510)	(17,961)
Settlement	609		
Interest cost on unrecoverable surplus	22,916	23,515	51,494
Net pension cost	96,465	(317)	85,868

The reconciliations of assets and liabilities of the plans are as follows:

	2016	2015
Present value of defined benefit obligation	(4,174,653)	(4,739,299)
Fair value of plan assets	3,292,890	3,865,411
Asset ceiling restrictions on recognition of net funded assets	(207,010)	(180,733)
Net	(1,088,773)	(1,054,621)

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Plan assets	55,307	131,363
Defined benefit obligation	(1,144,080)	(1,185,984)

Changes in plan assets and actuarial liabilities were as follows:

	2016	2015	2014
<b>Variation of the plan obligations</b>			
Obligation at the beginning of the year	4,739,299	3,791,670	3,113,818
Cost of service	57,619	121,962	78,271
Interest expense	199,389	226,406	175,641
Payments of the benefits	(317,505)	(398,778)	(230,951)
Past service cost	2,788	(114,899)	
Curtailement		(41,296)	(90,781)
Settlement	609		
Actuarial remeasurements	186,905	(202,749)	466,829
Exchange Variance	(694,451)	1,356,983	278,843
Obligation at the end of the year	4,174,653	4,739,299	3,791,670

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	2016	2015	2014
<b>Variation of the plan assets</b>			
Fair value of the plan assets at the beginning of the year	3,865,411	3,319,133	3,081,582
Return of the plan assets	186,857	216,005	201,576
Contributions from sponsors	(47,574)	(14,986)	44,679
Curtailement		(5,248)	(72,820)
Settlement	(6,710)		
Payments of benefits	(317,505)	(398,778)	(230,950)
Remeasurement	109,153	(235,275)	69,748
Exchange Variance	(496,742)	984,560	225,318
Fair value of plan assets at the end of the year	3,292,890	3,865,411	3,319,133

The fair value of plan assets include shares of the Company in the amount of R\$ 1,895 at December 31, 2016 (R\$ 0 on December 31, 2015).

Amounts recognized as actuarial gains and losses in the Statement of Comprehensive Income are as follows:

	2016	2015	2014
Remeasurements	(109,153)	235,275	(69,748)
Actuarial Remeasurements	186,905	(202,749)	466,829
Restriction recognized in Other Comprehensive Income	3,065	(44,453)	(309,190)
Remeasurements recognized in Other Comprehensive Income	80,817	(11,927)	87,891

The historical actuarial remeasurements are as follows:

	2016	2015	2014	2013	2012
Present value of defined benefit obligation	(4,174,653)	(4,330,737)	(3,791,670)	(3,113,818)	(3,003,722)
Fair value of the plan assets	3,292,890	3,865,411	3,319,133	3,081,582	2,789,832
Surplus (Deficit)	(881,763)	(465,326)	(472,537)	(32,236)	(213,890)
Experience adjustments on plan liabilities (Gain)	186,905	(202,749)	466,829	(272,767)	300,328
Experience adjustments on plan assets (Gain)	(109,153)	235,275	(69,748)	33,417	(151,120)

Actuarial remeasurements are recognized in the period in which they occur and are recorded directly in comprehensive income.

The allocations for plan assets are presented below:

	2016	
	Brazilian Plans	American Plans
Fixed income	100.0%	45.8%
Variable income		48.5%
Others		5.7%
Total	100%	100%

		2015
	Brazilian Plans	American Plans
Fixed income	100.0%	46.6%
Variable income		40.6%
Others		12.8%
Total	100%	100%

The investment strategy for the Brazilian Plan is based on a long-term macroeconomic scenario. This scenario assumes a reduction in Brazil's sovereign risk, moderate economic growth, stable levels of inflation, exchange rates and moderate interest rates.

The Canadian and American subsidiaries have an Investment Committee that defines the investment policy for the defined benefit plans. The primary investment objective is to ensure the security of benefits that were accrued under the plans, providing an adequately funded asset pool which is separated and independent of the Company. To reach this objective, the fund must invest in a manner that adheres to safeguards and diversification to which a prudent investor of pension funds would normally adhere. These subsidiaries retain specialized consultants that advise and support Investment Committee decisions and recommendations.

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The asset mix policy considers the principles of diversification and long-term investment goals, as well as liquidity requirements. To do this, the target allocation ranges between 50% in shares, 40% in debt securities and 10% in alternative securities.

The tables below show a summary of the assumptions used to calculate the defined benefit plans in 2016 and 2015, respectively:

2016		
	Brazilian Plan	North America Plan
Average discount rate	10.87%	3.75% - 4.25%
Rate of increase in compensation	Not applicable	3.25%
Mortality table	RP-2000	CPM-2014 and RP-2014
Mortality table of disabled	AT-2000 per sex	Rates by age
Rate of rotation	Based on plan background	Based on age and/or the service

2015		
	Brazilian Plan	North America Plan
Average discount rate	12.68%	3.75% - 4.50%
Rate of increase in compensation	Not applicable	2.60% - 3.25%
Mortality table	AT-2000 per sex	COM-2014 and RP-2014
Mortality table of disabled	AT-2000 per sex	Rates by age
Rate of rotation	Based on plan background	Based on age and/or the service

**b) Post-employment defined contribution pension plan**

The Company and its subsidiaries in Brazil, in the United States and in Canada maintain a defined contribution plan to which contributions are made by the sponsor in proportion to the contributions made by its participating employees. The total cost of these plans was R\$ 143,561 in 2016 (R\$ 102,899 in 2015).

**c) Post-employment health care benefit plan**

The North American plans include, in addition to pension benefits, specific health care benefits for employees who retire after a certain age and with a certain number of years of service. The Americans and Canadian subsidiaries have the right to change or eliminate these benefits, and the contributions are actuarially calculated.

The net periodic costs of post-employment health care benefits are as follows:

	2016	2015	2014
Current service cost	4,481	5,935	4,701
Interests expense	15,494	18,981	16,389
Past service cost	(75,787)		(103,895)
Net cost pension benefit	(55,812)	24,916	(82,805)

The funded status of the post-employment health benefits plans is as follows:

	2016	2015
Present value of obligations	(305,447)	(446,842)
Total net liabilities	(305,447)	(446,842)

Changes in plan assets and actuarial liabilities were as follows:

	2016	2015	2014
<b>Change in benefit obligation</b>			
Benefit obligation at beginning of the year	446,842	351,538	369,065
Cost of service	4,481	5,935	5,121
Interest expense	15,494	18,981	15,969
Past service cost	(75,787)		(103,895)
Contributions from participants	2,212	2,206	1,769
Payment of benefits	(14,799)	(17,245)	(16,256)
Medical subsidy			510
Remeasurements	(3,673)	(45,884)	42,345
Exchange variations	(69,323)	131,311	36,910
Benefit obligation at the end of the year	305,447	446,842	351,538



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	2016	2015	2014
<b>Change in plan assets</b>			
Contributions from sponsors	12,463	14,733	13,653
Contributions from participants	2,212	2,206	1,769
Medical subsidy			510
Payments of benefits	(14,675)	(16,939)	(15,932)
Fair value of plan assets at end of the year			

The historical actuarial gains and losses of the plans are as follows:

	2016	2015	2014	2013	2012
Present value of defined benefit obligation	(305,447)	(446,843)	(351,538)	(369,086)	(405,723)
Deficit	(305,447)	(446,843)	(351,538)	(369,086)	(405,723)
Experience adjustments on plan liabilities	(3,673)	(45,884)	42,345	(20,980)	21,908

The amounts recognized as actuarial gains and losses in other comprehensive income are as follows:

	2016	2015	2014
Losses on actuarial obligation	(3,673)	(45,884)	42,345
Actuarial losses recognized in Equity	(3,673)	(45,884)	42,345

The accounting assumptions adopted for post-employment health benefits are as follows:

	2016	2015
Average discount rate	3.75% - 4.25%	3.75% - 4.50%
Health treatment - rate assumed next year	6.40% - 6.80%	6.80% - 7.05%
Health treatment - Assumed rate of decline in the cost to achieve in the years of 2026 to 2029	4.00% - 4.50%	4.00% - 4.50%

The assumptions adopted for post-employment health benefits have a significant effect on the amounts disclosed and recorded for post-employment health benefits plans. The change of one point percentage on discount rates would have the following effects:

	1% Increase	1% Decrease
Effect over total service costs and interest costs	2,855	(2,252)
Effect over benefit plan obligations	37,079	(29,964)

#### d) Other retirement and termination benefits

The benefits of this plan provide a compensation supplement up to retirement date, cost of living allowance, and other benefits as a result of termination and retirement of the employees. The Company estimates that the total obligation for these benefits was R\$ 55,276 as of

December 31, 2016 (R\$ 73,197 as of December 31, 2015).

## NOTE 20 ENVIRONMENTAL LIABILITIES

The steel industry uses and generates substances that may damage the environment. The Company and its subsidiaries believe they are compliant with all the applicable environmental regulations in the countries where they operate. The Company's management performs frequent analysis with the purpose of identifying potentially impacted areas and a liability is recorded based on the best estimate of costs for investigation, treatment and cleaning of potentially affected sites. The Company uses estimates and assumptions to determine the amounts involved, which may change in the future, as result of the final investigations and the determination of the actual environmental impact. The balances of the provisions are as follows:

	2016	2015
Provision for environmental liabilities	83,806	163,806
Current	17,737	27,736
Non-current	66,069	136,070

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Table of Contents**NOTE 21 - OBLIGATIONS WITH FIDC - INVESTMENT FUND IN CREDIT RIGHTS**

Part of the assets resulting from the favorable judgments of credits with Eletrobras mentioned in Note 17 iv, were used to set up a Non Standardized Credit Right Investment Fund, constituted and duly authorized to operate by the Securities and Exchange Commission of Brazil ( FIDC NP Barzel ), whose fair value at the FIDC Inception date was R\$ 800 million. On July 14, 2015, the single quota that FIDC was sold in the acquisition of minority interests transaction in subsidiaries of Gerdau S.A.

The Company assures the FIDC, through the transfer agreement price adjustments clause, minimum return on the transferred amount of the credits rights on the lawsuits. However, where the amounts received in the lawsuits exceed the transferred amount, monetarily adjusted, the Company will be entitled to a percentage of that gain. Additionally, the Company has the right of first offer to repurchase those receivables in the event of sale by the Fund, in accordance to the contract subscribed, and has the amount of R\$ 1,007,259 on December 31, 2016 (R\$ 853,252 on December 31, 2015) recognized in the account Payables to FIDC .

**NOTE 22 EQUITY****a) Capital**

The Board of Directors may, without need to change the bylaws, issue new shares (authorized capital), including the capitalization of profits and reserves up to the authorized limit of 1,500,000,000 common shares and 3,000,000,000 preferred shares, all without nominal value. In the case of capital increase through subscription of new shares, the right of preference shall be exercised in up to 30 days, except in the case of a public offering, when the limit is not less than 10 days.

Reconciliations of common and preferred outstanding shares are presented below:

	<b>2016</b>		<b>2015</b>		<b>2014</b>	
	<b>Common shares</b>	<b>Preferred shares</b>	<b>Common shares</b>	<b>Preferred shares</b>	<b>Common shares</b>	<b>Preferred shares</b>
Balance at beginning of the year	571,929,945	1,114,744,538	571,929,945	1,132,613,562	571,929,945	1,132,285,402
Treasure shares acquiring		(10,000,000)		(19,923,200)		
Exercise of stock options		2,274,032		2,054,176		328,160
Transfer of shares		30,000,000				
Balance at the end of the year	571,929,945	1,137,018,570	571,929,945	1,114,744,538	571,929,945	1,132,613,562

At December 31, 2016, 573,627,483 common shares and 1,146,031,245 preferred shares are subscribed and paid up, with a total capital of R\$ 19,249,181 (net of share issuance costs). Ownership of the shares is presented below:

Shareholders  
2016

Shareholders	Common	%	Pref.	%	Total	%
Metalúrgica Gerdau S.A.*	449,712,654	78.4	202,806,626	17.7	652,519,280	37.9
Brazilian institutional investors	41,883,032	7.3	92,721,295	8.1	134,604,327	7.8
Foreign institutional investors	11,122,498	1.9	705,652,715	61.5	716,775,213	41.8
Other shareholders	69,211,761	12.1	135,837,934	11.9	205,049,695	11.9
Treasury stock	1,697,538	0.3	9,012,675	0.8	10,710,213	0.6
	573,627,483	100.0	1,146,031,245	100.0	1,719,658,728	100.0

Shareholders  
2015

Shareholders	Common	%	Pref.	%	Total	%
Metalúrgica Gerdau S.A.*	449,712,654	78.4	252,841,484	22.1	702,554,138	40.9
Brazilian institutional investors	49,834,446	8.7	73,696,224	6.4	123,530,670	7.2
Foreign institutional investors	13,881,226	2.4	632,717,431	55.2	646,598,657	37.6
Other shareholders	58,501,619	10.2	155,489,399	13.6	213,991,018	12.4
Treasury stock	1,697,538	0.3	31,286,707	2.7	32,984,245	1.9
	573,627,483	100.0	1,146,031,245	100.0	1,719,658,728	100.0

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Shareholders	Shareholders 2014					
	Common	%	Pref.	%	Total	%
Metalúrgica Gerdau S.A.*	449,712,654	78.4	252,841,484	22.1	702,554,138	40.9
Brazilian institutional investors	30,103,837	5.2	152,013,820	13.3	182,117,657	10.6
Foreign institutional investors	21,604,383	3.8	578,731,779	50.4	600,336,162	34.9
Other shareholders	70,509,071	12.3	149,026,479	13.0	219,535,550	12.8
Treasury stock	1,697,538	0.3	13,417,683	1.2	15,115,221	0.8
	573,627,483	100.0	1,146,031,245	100.0	1,719,658,728	100.0

\* Metalúrgica Gerdau S.A. is the controlling shareholder and Stichting Gerdau Johanpeter is the ultimate controlling shareholder of the Company.

Preferred shares do not have voting rights and cannot be redeemed but have the same rights as common shares in the distribution of dividends and also priority in the capital distribution in case of liquidation of the Company.

**b) Treasury stocks**

Changes in treasury stocks are as follows:

2016					
	Common shares	R\$	Preferred shares	R\$	
<b>Opening balance</b>	1,697,538	557	31,286,707	382,806	
Repurchases			10,000,000	95,343	
Exercise of stock options			(2,274,082)	(10,461)	
Transfer of shares			(30,000,000)	(369,499)	
<b>Closing balance</b>	1,697,538	557	9,012,675	98,189	

2015					
	Common shares	R\$	Preferred shares	R\$	
<b>Opening balance</b>	1,697,538	557	13,417,683	232,585	
Repurchases			19,923,200	186,033	
Exercise of stock options			(2,054,176)	(35,812)	
<b>Closing balance</b>	1,697,538	557	31,286,707	382,806	

2014					
	Common shares	R\$	Preferred shares	R\$	
<b>Opening balance</b>	1,697,538	557	13,745,843	238,414	
Exercise of stock options			(328,160)	(5,829)	
<b>Closing balance</b>	1,697,538	557	13,417,683	232,585	

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These shares are held in treasury for subsequent cancellation, selling in the market or to be granted under the long-term incentive plan of the Company. The average acquisition cost of these shares was R\$ 10.89 during 2016 (R\$ 12.24 and R\$ 17.34 during the years ended December 31, 2015 and 2014, respectively). The Company acquired non-controlling interests in some subsidiaries using as part of the payment 30 million of preferred shares of Gerdau S.A. (GGBR4), hold in treasury, which are pending of approval from the Brazilian Securities Commission (CVM). On April 29, 2016, the Brazilian Securities and Exchange Commission approved the assignment and transfer of shares held in treasury.

c) **Capital reserves** consists of premium on issuance of shares.

d) **Retained earnings**

I) **Legal reserves** - under Brazilian Corporate Law, the Company must transfer 5% of the annual net income determined on its statutory books in accordance with Brazilian accounting practices to the legal reserve until this reserve equals 20% of the paid-in capital. The legal reserve can be utilized to increase capital or to absorb losses, but cannot be used for dividend purposes.

II) **Tax incentives reserve** under Brazilian Corporate Law, the Company may transfer to this account part of net income resulting from government benefits which can be excluded from the basis for dividend calculation.

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**III) Investments and working capital reserve** - consists of earnings not distributed to shareholders and includes the reserves required by the Company's by-laws. The Board of Directors may propose to the shareholders the transfer of at least 5% of the profit for each year determined in its statutory books in accordance with accounting practices adopted in Brazil to this reserve. Amount can be allocated to the reserve only after the minimum dividend requirements have been met and its balance cannot exceed the amount of paid-in capital. The reserve can be used to absorb losses, if necessary, for capitalization, for payment of dividends or for the repurchase of shares.

**e) Operations with non-controlling interests** Corresponds to amounts recognized in equity for changes in non-controlling interests.

The effects of interest changes in subsidiaries for the years presented are composed of:

	December 31, 2016	
	Non-	
	controlling	
	interests	Total
Attributed to parent company's interest		
(iii) Other changes	(6,405)	(6,405)
Effects of interest changes in subsidiaries	(6,405)	(6,405)

	December 31, 2015	
	Non-	
	controlling	
	interests	Total
Attributed to parent company's interest		
(ii) Acquisition of non-controlling interests	(837,437)	(837,437)
(iii) Other changes	12,726	12,726
Effects of interest changes in subsidiaries	(824,711)	(824,711)

	December 31, 2014	
	Non-	
	controlling	
	interests	Total
Attributed to parent company's interest		
(i) Changes in the Paraopeba Fixed Income Investment Fund	(550,000)	(550,000)
(iii) Other changes	(114,767)	(114,767)
Effects of interest changes in subsidiaries	(664,767)	(664,767)

(i) Changes in the Paraopeba Fixed Income Investment Fund, which is managed by JP Morgan, due to changes in the amount invested by each subsidiary of the Company in comparison with the amount of investments held by non-consolidated entities (related parties); (ii) Acquisition of non-controlling interests in some Brazilian subsidiaries; (iii) Other changes in subsidiaries without losing control, which may include among others, capital increases, other acquisitions of interests and dilutions of any nature.

**f) Other reserves** - Include: gains and losses on net investment hedge, gains and losses on derivatives accounted as cash flow hedge, actuarial gains and losses on postretirement benefits, cumulative translation adjustments and expenses recorded for stock option plans.

**g) Dividends and interest on capital** - the shareholders have a right to receive a minimum annual mandatory dividend equal to 30% of adjusted net income as determined in its corporate records prepared in accordance with the accounting practices adopted in Brazil. The Company calculated interest on shareholders' capital for the year in accordance with the terms established by Law 9249/95. The corresponding amount was recorded as a financial expense for tax purposes. For presentation purposes, this amount was recorded as dividends and did not affect net income. The related tax benefit from the reduction in income tax and social contribution on net income was R\$ 0 for 2016 (R\$ 63,074 in 2015).

The dividends credited during the year totaled R\$ 85,377, distributed on profits obtained in the first nine months of 2016. As a result of the net loss in 2016, management will propose to the Annual Shareholders Meeting that this amount be considered as distributed using the balance of the Investments and Working Capital Reserve, as shown below:

	2016	2015	2014
Net income (loss)	(2,890,811)	(4,551,438)	1,402,873
Constitution of legal reserve			(70,144)
Constitution of the tax incentives reserve			(51,126)
Net income before dividends and interest on capital	(2,890,811)	(4,551,438)	1,281,603
Dividends and interest on capital			(426,141)
Net income (loss) before constitution of investments and working capital reserve	(2,890,811)	(4,551,438)	855,462
Constitution of investments and working capital reserve			(855,462)
Absorption of net loss by investments and working capital reserve	2,890,811	4,551,438	



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The loss for the year will be subject to management's proposal for absorption by the investments and working capital reserve.

Dividends and interest on capital in the years								
Period	Nature	R\$ /share	Outstanding shares (thousands)	Credit	Payment	2016	2015	2014
1st quarter	Interest						101,200	119,331
2nd quarter	Dividends	0.03	1,707,511	8/22/2016	9/02/2016	51,225		102,268
2nd quarter	Interest						84,318	
3rd quarter	Interest							85,224
3rd quarter	Dividends	0.02	1,707,542	11/21/2016	12/01/2016	34,152	67,458	
4th quarter	Dividends							119,318
Interest and Dividends						85,377	252,976	426,141
Credit per share (R\$)						0.05	0.15	0.25

In 2016, Gerdau SA allocated R\$ 85,377 to pay dividends, distributed on account of profits obtained in the first nine months of 2016. As a result of the net loss calculated in the year, Management will propose to the Annual Shareholders' Meeting that the be considered as distributed using the balance of the Investment Reserve and Working Capital.

**NOTE 23 EARNINGS PER SHARE (EPS)**

In compliance with IAS 33, Earnings per Share, the following tables reconcile net income to the amounts used to calculate basic and diluted earnings per share.

**Basic**

	Common	2016 Preferred	Total
	(in thousands, except share and per share data)		
<b>Basic numerator</b>			
Allocated net income (loss) available to common and preferred shareholders	(969,954)	(1,920,857)	(2,890,811)
<b>Basic denominator</b>			
Weighted-average outstanding shares, after deducting the average treasury shares	571,929,945	1,132,626,373	
Earnings per share (in R\$) Basic	(1.70)	(1.70)	

	Common	2015 Preferred	Total
	(in thousands, except share and per share data)		
<b>Basic numerator</b>			
Allocated net income (loss) available to common and preferred shareholders	(1,541,242)	(3,010,196)	(4,551,438)

**Basic denominator**

Weighted-average outstanding shares, after deducting the average treasury shares

571,929,945 1,117,034,926

Earnings per share (in R\$) Basic (2.69) (2.69)

**2014**  
**Common Preferred Total**  
**(in thousands, except share and per share data)**

**Basic numerator**

Allocated net income available to common and preferred shareholders 470,746 932,127 1,402,873

**Basic denominator**

Weighted-average outstanding shares, after deducting the average treasury shares

571,929,945 1,132,483,383

Earnings per share (in R\$) Basic 0.82 0.82

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	2016	2015	2014
<b>Diluted numerator</b>			
<b>Allocated net income (loss) available to Common and Preferred shareholders</b>			
Net income (loss) allocated to preferred shareholders	(1,920,857)	(3,010,196)	932,127
Add:			
Adjustment to net income (loss) allocated to preferred shareholders in respect to the potential increase in number of preferred shares outstanding, as a result of options granted to acquire stock of Gerdau	(6,914)	(6,633)	714
	(1,927,771)	(3,016,829)	932,841
Net income (loss) allocated to common shareholders	(969,954)	(1,541,242)	470,746
Less:			
Adjustment to net income (loss) allocated to preferred shareholders in respect to the potential increase in number of preferred shares outstanding, as a result of options granted to acquire stock of Gerdau	6,914	6,633	(714)
	(963,040)	(1,534,609)	470,032
<b>Diluted denominator</b>			
<b>Weighted - average number of shares outstanding</b>			
Common Shares	571,929,945	571,929,945	571,929,945
Preferred Shares			
Weighted-average number of preferred shares outstanding	1,132,626,373	1,117,034,926	1,132,483,383
Potential increase in number of preferred shares outstanding in respect of stock option plan	12,238,473	7,299,735	2,588,297
Total	1,144,864,846	1,124,334,661	1,135,071,680
Earnings per share Diluted (Common and Preferred Shares)	(1.70)	(2.69)	0.82

Due to the net loss in the years of 2016 and 2015, the Company is considering for these years the same basic and diluted loss, without considering the effects on the diluted calculation of the potential increase in preferred shares as a result of the long-term incentive options plan.

**NOTE 24 NET SALES REVENUE**

The net sales revenues for the year are composed of:

	2016	2015	2014
Gross sales	42,935,022	48,701,895	47,866,687
Taxes on sales	(2,765,957)	(3,184,879)	(4,098,426)
Discounts	(2,517,398)	(1,935,775)	(1,221,922)
Net sales	37,651,667	43,581,241	42,546,339

## NOTE 25 - LONG-TERM INCENTIVE PLANS

a) **Stock Options Plan:**

	2016		2015		2014	
	Number of shares	Average exercise price in the year R\$	Number of shares	Average exercise price in the year R\$	Number of shares	Average exercise price in the year R\$
Available at beginning of the year	1,074,246	18.36	2,448,973	19.53	2,793,495	19.44
Options Exercised			(25,210)	19.56	(52,340)	17.34
Options Forfeited	(505,131)	20.49	(1,349,517)	20.98	(292,182)	19.47
Available at the end of the year	569,115	16.64	1,074,246	18.36	2,448,973	19.53

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The average market price of the share in the year ended December 31, 2016 was R\$ 7.68 (R\$ 7.70 and R\$ 13.31 in the years ended December 31, 2015 and 2014, respectively).

As of December 31, 2016 the Company has a total of 9,012,675 preferred shares in treasury. These shares may be used for serving this plan. The exercise of the options before the grace period end was due to retirement or death.

Exercise price	Quantity	Average period of grace (in years)	Average exercise price R\$	Number exercisable at December 31, 2016*
R\$ 14.18	40,873	2.2	15.15	40,873
R\$ 10.58 to R\$ 29.12	528,242	5.0	16.75	16,805
	569,115			57,678

\*The total of options vested that are exercisable on December 31, 2016 is 57,678 (127,899 and 176,891 on December 31, 2015 and 2014).

During the years ended December 31, 2016, 2015 and 2014, the long-term incentive plans costs recognized in income for all equity settled awards were R\$ 38,023, R\$ 39,657 and R\$ 36,209, respectively.

The Company recognizes costs of employee compensation based on the fair value of the options granted, considering their fair value on the date of granting. The Company uses the Black-Scholes model for determining the fair value of the options. There were no options granted for this plan in 2016.

**b) Restricted Shares and Performance Shares Summary:**

<b>Balance on January 1, 2014</b>	<b>7,371,215</b>
Granted	3,981,219
Forfeited	(739,017)
Exercised	(527,183)
<b>Balance on December 31, 2014</b>	<b>10,086,234</b>
Granted	9,098,389
Forfeited	(2,717,724)
Exercised	(3,941,643)
<b>Balance on December 31, 2015</b>	<b>12,525,256</b>
Granted	13,357,922
Forfeited	(3,046,593)
Exercised	(2,403,094)
<b>Balance on December 31, 2016</b>	<b>20,433,491</b>

**c) Other Plans North America**

In February 2010, the Board of Directors approved, to the North American subsidiary, the adoption of the Equity Incentive Plan (the "EIP"). Awards under the EIP may take the form of stock options, SARs, deferred share units ("DSUs"), restricted share units ("RSUs"), performance share units ("PSUs"), and/or other share-based awards. Except for stock options, which must be settled in common shares, awards may be settled in cash or common shares as determined by the Company at the time of grant.

For the portion of any award which is payable in options or SARs, the exercise price of the options or SARs will be no less than the fair market value of a common share on the date of the award. The vesting period for all awards (including RSUs, DSUs and PSUs) is determined by the Company at the time of grant. Options and SARs have a maximum term of 10 years.

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In 2016, a grant of approximately US\$ 9.9 million (R\$ 34.5 million) was granted to EIP participants. The Company issued 2,846,835 RSUs and 3,820,894 PSUs, which will be accrued through the vesting period of 5 years.

In 2015, an award of approximately US\$ 13.9 million (R\$ 46.4 million) was granted to participants under the EIP. The Company issued 3,833,542 RSUs, and 1,792,456 PSUs under this plan. This award has being accrued over the vesting period of 5 years.

In 2014, an award of approximately US\$ 11.7 million (R\$ 27.5 million) was granted to participants under the EIP. The Company issued 767,027 RSUs, and 1,150,541 PSUs under this plan. This award has being accrued over the vesting period of 5 years.

In connection with the adoption of the EIP, the Company terminated the existing long-term incentive plan ( LTIP ), and no further awards will be granted under the LTIP. All outstanding awards under the LTIP will remain outstanding until either exercised, forfeited or they expire. On December 31, 2016, there were 535,543 SARs and 40,873 stock options outstanding under the LTIP. These awards have been accrued over the vesting period of 4 years.

As of December 31, 2016 and December 31, 2015, the outstanding liability for share-based payment transactions included in other non-current liabilities of the subsidiaries in North America was US\$ 10 thousand (R\$ 32.6) and US\$ 7 thousand (R\$ 27.3), respectively.

**NOTE 26 SEGMENT REPORTING**

In the fourth quarter of 2016, the Company made a change in the composition of its segments, with changes with effect as of 2016 year end, with the objective of obtaining greater strategic, operational and management synergies in the markets of South America and North America. The change relates to the jointly controlled entity Gerdau Metaldom Corp., in the Dominican Republic, which became part of the business segment South America and thus its results and equity are no longer presented in the North America segment and are from now on presented in the South America segment. For disclosure purposes, the comparative information has been modified regarding the originally presented information, in order to reflect the changes approved by the Gerdau Executive Committee, according to the criteria established by IFRS 8.

	<b>Business Segments</b>					
	<b>2016</b>					
	<b>Brazil Operation</b>	<b>North America Operation</b>	<b>South America Operation</b>	<b>Special Steels Operation</b>	<b>Eliminations and Adjustments</b>	<b>Consolidated</b>
Net sales	11,634,862	15,430,814	4,775,598	6,884,733	(1,074,340)	37,651,667
Cost of sales	(10,405,078)	(14,514,789)	(4,103,231)	(6,238,749)	1,073,906	(34,187,941)
Gross profit	1,229,784	916,025	672,367	645,984	(434)	3,463,726
Selling, general and administrative expenses	(678,369)	(778,218)	(253,177)	(284,962)	(244,302)	(2,239,028)
Other operating income (expenses)	2,111	26,223	41,396	14,166	43,951	127,847
Impairment of assets		(2,779,146)	(138,765)			(2,917,911)
Results in operations with subsidiaries, associate and jointly controlled entity					(58,223)	(58,223)

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Equity in earnings of unconsolidated companies		(46,917)	16,366		17,780	(12,771)
Operational (Loss) income before financial income (expenses) and taxes	553,526	(2,662,033)	338,187	375,188	(241,228)	(1,636,360)
Financial result, net	(603,373)	(63,654)	(96,822)	(148,313)	(33,093)	(945,255)
Income (Loss) before taxes	(49,847)	(2,725,687)	241,365	226,875	(274,321)	(2,581,615)
Income and social contribution taxes	13,140	133,818	(107,124)	(64,348)	(279,800)	(304,314)
Net income (Loss)	(36,707)	(2,591,869)	134,241	162,527	(554,121)	(2,885,929)
Supplemental information:						
Net sales between segments	885,050	90,267	6,386	92,637		1,074,340
Depreciation/amortization	952,848	874,299	182,672	526,136		2,535,955
Investments in associates and jointly-controlled entities		303,526	404,522		90,796	798,844
Total assets	18,672,770	16,459,784	5,582,926	11,970,203	1,949,458	54,635,141
Total liabilities	10,761,705	3,407,444	1,651,590	6,519,255	8,020,494	30,360,488

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Table of Contents**Business Segments  
2015**

	<b>Brazil Operation</b>	<b>North America Operation</b>	<b>South America Operation</b>	<b>Special Steels Operation</b>	<b>Eliminations and Adjustments</b>	<b>Consolidated</b>
Net sales	12,977,327	17,312,166	5,477,228	8,882,071	(1,067,551)	43,581,241
Cost of sales	(11,433,115)	(15,800,270)	(4,800,063)	(8,333,189)	1,076,111	(39,290,526)
Gross profit	1,544,212	1,511,896	677,165	548,882	8,560	4,290,715
Selling, general and administrative expenses	(821,152)	(814,393)	(313,521)	(371,481)	(261,938)	(2,582,485)
Other operating income (expenses)	3,638	18,379	2,985	21,791	50,207	97,000
Impairment of assets	(834,665)	(1,882,239)	(354,468)	(1,924,868)		(4,996,240)
Equity in earnings of unconsolidated companies		(72,774)	36,550		11,722	(24,502)
Operational (Loss) income before financial income (expenses) and taxes	(107,967)	(1,239,131)	48,711	(1,725,676)	(191,449)	(3,215,512)
Financial result, net	(624,526)	(234,183)	(98,557)	(288,021)	(1,633,609)	(2,878,896)
Income (Loss) before taxes	(732,493)	(1,473,314)	(49,846)	(2,013,697)	(1,825,058)	(6,094,408)
Income and social contribution taxes	60,804	5,196	(104,308)	(283,633)	1,820,363	1,498,422
Net income (Loss)	(671,689)	(1,468,118)	(154,154)	(2,297,330)	(4,695)	(4,595,986)
Supplemental information:						
Net sales between segments	817,494	121,292	685	128,080		1,067,551
Depreciation/amortization	928,861	836,660	192,014	650,374		2,607,909
Investments in associate and jointly-controlled entities		725,356	575,845	2,082	89,599	1,392,882
Total assets	20,791,119	27,324,285	7,046,438	17,077,208	(2,144,341)	70,094,709
Total liabilities	12,831,815	7,214,899	2,451,835	9,369,552	6,256,225	38,124,326

**Business Segments  
2014**

	<b>Brazil Operation</b>	<b>North America Operation</b>	<b>South America Operation</b>	<b>Special Steels Operation</b>	<b>Eliminations and Adjustments</b>	<b>Consolidated</b>
Net sales	14,813,344	14,640,085	5,078,483	8,643,865	(629,438)	42,546,339
Cost of sales	(12,003,410)	(13,692,783)	(4,422,768)	(7,921,906)	634,539	(37,406,328)
Gross profit	2,809,934	947,302	655,715	721,959	5,101	5,140,011
Selling, general and administrative expenses	(922,597)	(752,868)	(332,982)	(378,035)	(341,465)	(2,727,947)
Other operating income (expenses)	20,117	15,693	(28,810)	28,743	52,150	87,893
Impairment of assets		(31,921)	(307,453)			(339,374)
Results in operations with subsidiaries, associate and jointly controlled entity		636,528				636,528
Equity in earnings of unconsolidated companies		57,852	20,260		23,763	101,875
Operational (Loss) income before financial income (expenses) and taxes	1,907,454	872,586	6,730	372,667	(260,451)	2,898,986
Financial result, net	(536,542)	(161,190)	(65,823)	(180,913)	(616,534)	(1,561,002)
Income before taxes	1,370,912	711,396	(59,093)	191,754	(876,985)	1,337,984
Income and social contribution taxes	(357,148)	(98,379)	(25,610)	(68,675)	700,201	150,389
Net income	1,013,764	613,017	(84,703)	123,079	(176,784)	1,488,373
Supplemental information:						
Net sales between segments	408,089	86,651	2,499	132,199		629,438

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Depreciation/amortization	906,775	590,585	184,916	545,120		2,227,396
Investments in associate and jointly-controlled entities		884,058	384,531	1,580	124,214	1,394,383
Total assets	22,067,352	20,077,017	6,156,834	15,400,776	(659,649)	63,042,330
Total liabilities	11,044,078	5,182,550	1,958,599	7,382,045	4,220,524	29,787,796

The main products sold in each segment are:

Brazil Operations: rebar, bars, shapes, drawn products, billets, blooms, slabs, wire rod, structural shapes and iron ore.

North America Operations: rebar, bars, wire rod, light and heavy structural shapes.

South America Operations: rebar, bars and drawn products.

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Special Steel Operations: stainless steel, round, square and flat bars, wire rod.

The column of eliminations and adjustments includes the elimination of sales between segments in the context of the Consolidated Financial Statements.

The Company's geographic information with revenues classified according to the geographical region where the products were shipped is as follows:

	<b>Brazil 2016</b>	<b>Latin America (1) 2016</b>	<b>North America (2) 2016</b>	<b>Europe/Asia 2016</b>	<b>Geographic Area Consolidated 2016</b>
Net sales	12,229,582	5,828,564	17,917,485	1,676,036	37,651,667
Total assets	24,266,983	6,159,387	23,463,447	745,324	54,635,141

	<b>Brazil 2015</b>	<b>Latin America (1) 2015</b>	<b>North America (2) 2015</b>	<b>Europe/Asia 2015</b>	<b>Geographic Area Consolidated 2015</b>
Net sales	14,033,792	6,653,980	19,813,519	3,079,950	43,581,241
Total assets	22,803,505	9,327,457	36,048,019	1,915,728	70,094,709

	<b>Brazil 2014</b>	<b>Latin America (1) 2014</b>	<b>North America (2) 2014</b>	<b>Europe/Asia 2014</b>	<b>Consolidated 2014</b>
Net sales	16,428,472	6,063,220	17,250,898	2,803,749	42,546,339
Total assets	24,503,901	8,409,583	26,288,644	3,840,202	63,042,330

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(1) Does not include operations of Brazil

(2) Does not include operations of Mexico

IFRS requires the Company to disclose revenue per product unless the information is not available and the cost to obtain it would be excessive. Management does not consider this information useful for its decision making process, because it would aggregate sales in different markets and in different currencies, subject to the effects of changes in exchange rates. Furthermore, the trends of steel consumption and the price dynamics of each product or group of products in different countries and different markets within these countries are poorly correlated and, as a result, the information would not be useful and would not serve to conclude about historical trends. Considering this scenario and considering that the information of revenue by product is not maintained by the Company on a consolidated basis and the cost to obtain the revenue per product information would be excessive compared to the benefits of the information, the Company does not present revenue by product.

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The subsidiaries have insurance coverage determined by management with the assistance of specialists' advice, taking into consideration the nature and the level of risk, in amounts that cover significant losses on their assets and/or liabilities. The main types of insurance are as follows:

Type	Scope	2016	2015
Equity	Inventories and property, plant and equipment items are insured against fire, electrical damage, explosion, machine breakage and overflow (leakage of material in fusion state).	60,924,807	76,880,135
Business Interruption	Net income plus fixed expenses	8,354,147	13,286,365
Civil Liability	Industrial operations	527,974	675,082

**NOTE 28 IMPAIRMENT OF ASSETS**

The Company performs tests for impairment of assets, notably goodwill and other long-lived assets, based on projections of discounted cash flows, which take into account assumptions such as: cost of capital, growth rate and adjustments applied to flows in perpetuity, methodology for working capital determination, investment plans, and long-term economic-financial forecasts. The impairment test of these assets are assessed based on the analysis of facts or circumstances that may indicate the need to perform the impairment test and are performed annually in December, or being anticipated whenever changes in events or circumstances indicate that the goodwill and other long-lived assets may be impaired.

To determine the recoverable amount of each business segment, the Company uses the discounted cash flow method, using as basis, financial and economic projections for each segment. The projections are prepared by taking into consideration observed changes in the economic scenario in the market where the Company operates, as well as assumptions with respect to future results and the historical profitability of each segment.

The Company maintains its monitoring of the steel market in order to identify any deterioration, significant drop in demand from steel consuming sectors (notably automotive and construction), stoppage of industrial plants or relevant changes in the economy or financial market that result in increased perception of risk or reduction of liquidity and refinancing capacity.

During the fourth quarter of 2016, the Company identified deterioration in the economic scenario in some steel consuming markets at an intensity greater than the one considered in the quarterly monitoring carried out during the year, mainly in the North America segment, where the EBITDA margin decreased from 7.5% in the third quarter of 2016 to 3.8% in the fourth quarter of 2016 (8.7% in the fourth quarter of 2015). These circumstances resulted in an increase in the discount rate used in the projections of its business segments cash flows.

Based on these events mentioned above, the Company performed an impairment test of goodwill and other long-lived assets, in which an impairment of assets was identified in the amount of R\$ 2,917,911 (R\$ 4,996,240 in 2015), in which R\$ 239,329 (R\$ 2,467,757 in 2015) as impairment of other long-lived assets (note 28.1) and R\$ 2,678,582 (R\$ 2,528,483 in 2015) as impairment of goodwill (note 28.2).

## 28.1 Other assets Impairment test

In the fourth quarter of 2016, due to the interruption of certain activities as result of significant changes in the economy of the region where these units are located and the lack of expectation of future use of some assets of these industrial plants, tests performed on other long-lived assets identified impairment losses on property, plant and equipment in the amount of R\$ 239,329, of which R\$ 138,765 in the South America segment and R\$ 100,564 in the North America segment, resulting from a recoverable amount below the book value. These losses were determined based on the difference between the book value and the recoverable amount of these assets in the amount of R\$ 138,543, which represents their value in use (higher between the fair value net of disposal expenses and their value in use).

In 2015 the tests carried out on other long-lived assets identified impairment losses in the amount of R\$ 2,467,757 as follows: a) in the property, plant and equipment due to the lack of expectation of future use of certain assets of certain industrial plants in the amount of R\$ 2,105,971, of which R\$ 834,665 in the Brazil segment and R\$ 1,271,306 in the Special Steel segment, and b) R\$361,786 in North America due to recoverable value lower than the book value. These losses were determined based on the difference between the book value and the recoverable value of these assets in the amount of R\$ 1,930,813 that represents their value in use (higher between the net value of the disposal expense or their value in use); b) in the investment accounted for by the equity method of the associate company Corporación Centroamericana del Acero S.A., belonging to the North America segment, resulting from a recoverable amount below the book value in the amount of R\$ 361,786. These losses were determined based on the difference between the book value and the

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recoverable amount of these assets in the amount of R\$ 215,808 which represents their value in use (higher between the fair value net of disposal expenses and their value in use).

The discount rates before income tax used for this test are the same as presented in note 28.2 of the goodwill impairment test.

**28.2 Goodwill impairment test**

The Company has four operating segments, which represents the lowest level in which goodwill is monitored by the Company. In the fourth quarter of 2016, the Company evaluated the recoverability of the goodwill of its segments. Based on the aforementioned events, notably the deterioration of the economic conditions reflected in the EBITDA margin, the analysis carried out identified a loss due to non-recoverability of goodwill in the amount of R\$ 2,678,582 for the North America segment. The other segments did not have impairment of goodwill in the test performed in 2016.

In 2015, the analysis identified a loss of R\$ 2,528,483 due to the non-recoverability of goodwill, of which R\$ 1,520,453 for the North America segment, R\$ 653,562 for the Specialty Steel segment and R\$ 354,468 for the South America segment, which represented the totality of goodwill in this segment. The Brazil segment did not have impairment of goodwill.

The period for projecting the cash flows for the goodwill impairment test was five years. The assumptions used to determine the value in use based on the discounted cash flow method include analysis prepared in dollars, such as: projected cash flows based on management estimates for future cash flows, exchange rates, discount rates and growth rates on perpetuity. The cash flow projections already reflect a more challenging competitive scenario than projected in previous years, resulting from a deterioration in the steel consuming markets and overcapacity in the industry, as well as macroeconomic challenges in some geographies in which the Company operates. The perpetuity was calculated considering stable operating margins, levels of working capital and investments. The perpetuity growth rates considered in the 2016 test were: a) North America: 3% (3% in December 2015); b) Special Steel: 3% (3% in December 2015); c) South America: 3% (2.2% in December 2015); and d) Brazil: 3% (3% in December 2015).

The pre-tax discount rates used were determined taking into consideration market information available on the date of performing the impairment test. The Company adopted distinct rates for each business segment tested with the purpose of reflecting the differences among the markets in which each segment operates, as well as the risks associated to each of them. The pre-tax discount rates used were: a) North America: 13.1% (12.3% in December 2015); b) Special Steel: 14.0% (12.8% in December 2015); c) South America: 14.6% (13.7% in December 2015); and d) Brazil: 14.9% (15.5% in December 2015).

Discounted cash flows are compared to the book value of each segment and result in the recoverable amount as shown below: a) North America: below the book value of R\$ 2,679 million (below the book value of R\$ 1,169 million in 2015); b) South America: exceeded the book value by R\$ 724 million (below the book value by R\$ 354 million in 2015); c) Special Steel: exceeded the book value by R\$ 1,601 million (below the book value by R\$ 1,125 million in 2015); and d) Brazil: exceeded the book value by R\$ 1,225 million (exceeding the book value by R\$ 43 million in 2015).

The Company performed a sensitivity analysis in the assumptions of discount rate and perpetuity growth rate, due to the potential impact in the discounted cash flows.

An increase of 0.5 percentage points in the discount rate of each segment's cash flow would result in a recoverable amount below the book value and / or that exceeded the book value as shown below: a) North America: below book value of R\$ 872 million (below the book value by R\$ 1,452 million in 2015); b) Special Steel: exceeded book value by R\$ 1,170 million (below the book value by R\$ 582 million in 2015); c) South America: exceeded book value by R\$ 486 million (below the book value by R\$ 354 million in 2015); and d) Brazil: exceeded the book value by R\$ 425 million (below the book value by R\$ 765 million in 2015).

On the other hand, a decrease of 0.5 percentage points in the perpetuity growth rate of the cash flow of each business segment would result in a recoverable amount below the book value and / or that exceeded the book value as shown below: a) North America: below the book value by R\$ 661 million (below the book value by R\$ 1,076 million in 2015); b) Special Steel: exceeded the book value by R\$ 1,301 million (below the book value by R\$ 428 million in 2015); c) South America: exceeded the book value by R\$ 561 million (below the book value by R\$ 253 million in 2015); and d) Brazil: exceeded the book value by R\$ 673 million (below the book value by R\$ 514 million in 2015).

The Company will maintain over the next year its constant monitoring of the steel market in order to identify any deterioration, significant drop in demand from steel consuming sectors (notably automotive and construction), stoppage of industrial plants or activities relevant changes in the economy or financial market that result in increased perception of risk or reduction of liquidity and refinancing capacity. Although the projections made by the Company provide a more challenging scenario than that in recent years, the events mentioned above, if manifested in a greater intensity than that anticipated in the assumptions made by management, may lead the Company to revise its projections of value in use and eventually result in impairment losses.

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The Company opted to present its Consolidated Income Statement by function. As required by IAS 1, the expenses classified by nature is as follows:

	2016	2015	2014
Depreciation and amortization	(2,535,955)	(2,607,909)	(2,227,396)
Labor expenses	(6,508,834)	(7,018,129)	(6,444,454)
Raw material and consumption material	(22,863,693)	(27,126,417)	(26,472,335)
Credit Recovery			141,336
Freight	(2,279,459)	(2,538,071)	(2,262,143)
Impairment of assets	(2,917,911)	(4,996,240)	(339,374)
Results in operations with subsidiaries, associate and jointly controlled entity	(58,223)		636,528
Other expenses/income, net	(2,111,181)	(2,485,485)	(2,781,390)
	(39,275,256)	(46,772,251)	(39,749,228)
Classified as:			
Cost of sales	(34,187,941)	(39,290,526)	(37,406,328)
Selling expenses	(710,766)	(785,002)	(691,021)
General and administrative expenses	(1,528,262)	(1,797,483)	(2,036,926)
Other operating income	242,077	213,431	238,435
Other operating expenses	(114,230)	(116,431)	(150,542)
Impairment of assets	(2,917,911)	(4,996,240)	(339,374)
Results in operations with subsidiaries, associate and jointly controlled entity	(58,223)		636,528
	(39,275,256)	(46,772,251)	(39,749,228)

**NOTE 30 FINANCIAL INCOME**

	2016	2015	2014
Income from short-term investments	142,965	270,742	144,723
Interest income and other financial income	109,080	107,660	131,526
Financial Income	252,045	378,402	276,249
Interest on debt	(1,540,797)	(1,471,526)	(1,178,034)
Monetary variation and other financial expenses	(469,208)	(308,840)	(219,341)
Financial Expenses	(2,010,005)	(1,780,366)	(1,397,375)
Exchange Variation, net	851,635	(1,564,017)	(476,367)
Gains and losses on financial instruments, net	(38,930)	87,085	36,491
Financial result, net	(945,255)	(2,878,896)	(1,561,002)

**NOTE 31 SUBSEQUENT EVENTS**



I) On January 5, 2017, Gerdau S.A. made a payment of capital to Gerdau Aços Forjados S.A. through the contribution of some of its assets and liabilities, which were evaluated by a specialized independent valuation company. On January 31, 2007, the Extraordinary General Meeting of Gerdau Aços Forjados S.A. was held, where Sumitomo Corporation and The Japan Steel Works, Ltd. subscribed capital stock in this company, and a joint control agreement was signed among the partners. Accordingly, Gerdau Aços Forjados S.A. will have accounting treatment of a jointly controlled entity in the Financial Statements of Gerdau S.A., with a 58.73% interest and will not have a significant impact on the Company's total Assets.

II) On March 8, 2017, Gerdau S.A. and Metalúrgica Gerdau disclosed through a material fact that Metalúrgica Gerdau and Banco BTG Pactual S.A. signed an agreement for the exchange of shares issued by Gerdau S.A. regulating the exchange of thirty-four million, two hundred nine thousand, five hundred twenty-two (34,209,522) common shares issued by the Company (GGBR3) held by BTG Pactual for thirty-three million, three hundred fifty-eight thousand, six hundred and sixty-eight (33,358,668) preferred shares

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issued by the Company (GGBR4) held by Metalúrgica Gerdau. The exchange ratio defined in the exchange agreement, corresponds to one (1) common share issued by the Company (GGBR3) for each 0.9751 preferred share issued by the Company (GGBR4).

As a consequence of such increase in the interest held by Metalúrgica Gerdau in the common stock of the Company, and to comply with Article 4, paragraph 6 of Federal Law 6,404/1976 and with Article 26 of CVM Instruction 361 of March 5, 2002, Metalúrgica Gerdau has to submit to the CVM an application form to register the public stock tender offer (exchange offer), within 30 days of the exchange. In this application form, the Company has to offer to all common shareholders (GGBR3) of the Company the right to exchange such shares for preferred shares (GGBR4) issued by the Company and held by Metalúrgica Gerdau.

The shareholders of the Company that accept the exchange offer will receive the preferred shares (GGBR4) on the settlement date of the exchange offer auction, which will be disclosed in a public notice.

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