

NATIONAL STEEL CO  
Form 6-K  
December 26, 2017

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**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 6-K**

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 of the  
Securities Exchange Act of 1934

**For the month of December, 2017**  
**Commission File Number 1-14732**

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**COMPANHIA SIDERÚRGICA NACIONAL**

(Exact name of registrant as specified in its charter)

**National Steel Company**

(Translation of Registrant's name into English)

**Av. Brigadeiro Faria Lima 3400, 20º andar**  
**São Paulo, SP, Brazil**  
**04538-132**

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports  
under cover Form 20-F or Form 40-F. Form 20-F  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby  
furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

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**São Paulo, December 22, 2017**

## 1Q17 Earnings Release

Companhia Siderúrgica Nacional (CSN) (BM3 S.A. – BOLSA BRASIL BALCÃO: CSNA3) (NYSE: SID) discloses results for the first quarter of 2017 (1Q17). The information disclosed in Brazilian Reais and prepared in accordance with International Financial Reporting Standards (IFRS) issued by the International Accounting Standards Board (IASB); and also in accordance with accounting practices adopted in Brazil and fully convergent with international accounting standards, issued by the Accounting Pronouncements Committee (CPC) and referenced by the Brazilian Securities and Exchange Commission (CVM), pursuant to CVM Instruction 485 of 09/01/2010. The below text encompasses the Company's consolidated results for the first quarter of 2017 (1Q17) and comparisons are for the fourth quarter of 2016 (4Q16) and for the first quarter of 2016 (1Q16) without Metallic, unless otherwise specified. The Real/U.S. Dollar exchange rate was R\$3.1684 on March 31, 2017 and R\$3.2591 on December 31, 2016.

## Operating and Financial Highlights

- **EBITDA totaled R\$1,333 million**, 82% up on 1Q16, accompanied by an EBITDA margin of 28.7%, 11 p.p. higher than in the previous year.
- **Leverage declined by 3.2x**, from 8.7x on 1Q16 to 5.5x on 1Q17.
- **Steel EBITDA came to R\$610 million**, 12% higher on 4Q16, while apparent steel consumption climbed 5.0% according to the Brazilian Steel Institute (IABr).

Highlights	1Q16	4Q16	1Q17	Change	
				1Q17 x 4Q16	1Q17 x 1Q16
<b>Steel Sales (thousand t)</b>	<b>1,248</b>	<b>1,187</b>	<b>1,194</b>	<b>1%</b>	<b>-4%</b>
- Domestic Market	52%	62%	52%	-10%	0%
- Overseas Subsidiaries	42%	34%	41%	7%	-1%
- Exports	6%	4%	8%	4%	2%
<b>Iron Ore Sales (thousand t)1</b>	<b>8,295</b>	<b>9,191</b>	<b>7,244</b>	<b>-21%</b>	<b>-13%</b>
- Domestic Market	13%	14%	19%	5%	6%
- Exports	87%	86%	81%	-5%	-6%
<b>Consolidated Results (R\$ Million)</b>					
Net Revenue	3,997	4,519	4,412	-2%	10%

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Gross Profit	923	1,349	1,318	-2%	43%
Adjusted EBITDA	733	1,249	1,333	7%	82%
Adjusted Net Debt	26,654	25,831	25,477	-1%	-4%
Adjusted Cash Position	6,472	5,762	5,146	-11%	-20%
Net Debt / Adjusted EBITDA	8.7x	6.3x	5.5x	(0,89x)	(3.22x)

<sup>1</sup> Adjusted EBITDA is calculated based on net income/loss, before depreciation and amortization, income taxes, the net financial result, results from investees, and other operating income (expenses) and includes the proportional share of the EBITDA of the jointly-owned investees MRS Logística and CBSI, as well as the Company's 60% interest in Namisa, 33.27% in MRS and 50% in CBSI until November 2015 and stakes of 100% in Congonhas Minérios, 37.27% in MRS and 50% in CBSI as of December 2015.

<sup>2</sup> Adjusted Net Debt and Adjusted Cash and Cash Equivalents included 33.27% of the stake in MRS, 60% of the interest in Namisa and 50% of the stake in CBSI until November 2015. As of December 2015, they included 100% of Congonhas Minérios, 32.27% of MRS and 50% of CBSI, excluding Forfaiting and drawee risk operations.

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## CSN's Consolidated Results

- **Net revenue** totaled R\$4,412 million in 1Q17, 2% down on 4Q16, due to lower sold volume in the mining segment and despite the price increases and the slight upturn in steel product sales volume compared with the previous quarter.
- **COGS** came to R\$3,093 million in 1Q17, 2% lower than in the previous quarter.
- **Gross profit** totaled R\$1,318 million, 2% down on 4Q16. The gross margin stood at 29.9%, in line with the previous quarter.
- **Selling, general and administrative expenses** amounted to R\$488 million in 1Q17, 17% less than in 4Q16.
- **Other operating income (expenses)** was an expense of R\$99 million in 1Q17, versus negative R\$114 million in 4Q16.
- In 1Q17, the **net financial result** was negative by R\$497 million, as a result of financial expenses of R\$601 million, which has been partially offset by financial revenue of R\$103 million.

Financial Result (R\$ million)	1Q16	4Q16	1Q17
<b>Financial Result - IFRS</b>	<b>(885)</b>	<b>(677)</b>	<b>(497)</b>
<b>Financial Revenue</b>	<b>243</b>	<b>115</b>	<b>103</b>
<b>Financial Expenses</b>	<b>(1,128)</b>	<b>(792)</b>	<b>(601)</b>
<b>Financial Expenses (ex-exchange variation)</b>	<b>(821)</b>	<b>(813)</b>	<b>(787)</b>
<b>Result with Exchange Variation</b>	<b>(307)</b>	<b>21</b>	<b>186</b>
Monetary and Exchange Variation	936	5	308
Hedge Accounting	(554)	17	(135)
Derivative Result	(689)	(2)	13

- CSN's **equity result** was a positive R\$21 million in 1Q17, versus a negative R\$24 million in 4Q16. This result was chiefly due to the performance of TLSA.

Share of Profit (Loss) of Investees (R\$ million)	1Q16	4Q16	1Q17	Change	
				1Q17 x 4Q16	1Q17 x 1Q16
MRS Logística	61	20	39	91%	(37%)
CBSI	1	1	-	-	-
TLSA	(7)	(35)	(4)	(88%)	(39%)
Arvedi Metalfer BR	-	-	(1)	-	-
Eliminations	(11)	(9)	(13)	45%	26%
<b>Share of Profit (Loss) of Investees</b>	<b>46</b>	<b>(24)</b>	<b>21</b>	<b>-</b>	<b>(55%)</b>

- CSN recorded a first-quarter **net income** of R\$118 million, versus loss income of R\$56 million in 4Q16. The result in 1Q17 is for the better performance of the financial result, which recorded R\$ 497 million, and R\$ 677 million in 4Q16, 27% down on the last quarter of 2016.

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Adjusted EBITDA (R\$ million)	1Q16	4Q16	1Q17	Change	
				1Q17 x 4Q16	1Q17 x 1Q16
<b>Profit (Loss) for the Period</b>	<b>(777)</b>	<b>(56)</b>	<b>118</b>	-	-
(*) Result of Discontinued Operations	-	3	-	-	-
(-) Depreciation	309	356	390	10%	26%
(+) Income Tax and Social Contribution	113	2	137	-	21%
(-) Net Financial Result	897	677	497	(27%)	(45%)
<b>EBITDA (CVM Instruction 527)</b>	<b>542</b>	<b>982</b>	<b>1,142</b>	<b>(16%)</b>	<b>111%</b>
(+) Other Operating Income / Expenses	126	114	99	(13%)	(21%)
(+) Share of Profit (Loss) of Investees	(46)	24	(21)	-	(54%)
(-) Proportionate EBITDA of Jointly-Owned Subsidiaries	110	129	113	(13%)	3%
<b>Adjusted EBITDA</b>	<b>733</b>	<b>1,249</b>	<b>1,333</b>	<b>7%</b>	<b>82%</b>

<sup>1</sup>The Company discloses adjusted EBITDA excluding interests in investments operating income (expenses) in the belief that these items should not be considered when calculating recurring operating cash flow.

- **Adjusted EBITDA** amounted to R\$1,333 million in 1Q17, versus R\$1,249 million in the previous quarter, accompanied by an adjusted EBITDA margin of 29%, 2.4 p.p. up.

<sup>1</sup>The adjusted EBITDA margin is calculated as the ratio between adjusted EBITDA and adjusted net revenue, which considered the stakes of 100% in CSN

Mineração, 37.27% in MRS and 50% in CBSI.

## Debt

The adjusted amounts of EBITDA, debt and cash included the stakes of 100% in CSN Mineração, 37.27% in MRS and 50% in CBSI as of December 2015, as well as financial investments used as collateral for exchange operations on the B3 S.A. – BOLSA BRASIL BALCÃO. On March 31, 2017, consolidated net debt totaled R\$25,477 million, while the net debt/EBITDA ratio, calculated based on LTM adjusted EBITDA, stood at 5.5x.

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## Foreign Exchange Exposure

The FX exposure of our consolidated balance sheet on March 31, 2017 was US\$ 603 million, ex bond as shown in the table below.

The hedge accounting adopted by CSN correlates projected export inflows in dollars with part of the scheduled debt payments in the same currency. Therefore, the exchange variation of the dollar-denominated debt is temporarily booked under shareholders' equity, being recorded in the income statement when dollar revenues from exports are received.

Foreign Exchange Exposure (US\$ million)	12/31/2016	IFRS 3/31/2017
Cash	914	1,091
Accounts Receivable	373	331
<b>Total Assets</b>	<b>1,290</b>	<b>1,425</b>
Borrowings and Financing	(4,373)	(4,327)
Suppliers	(97)	(115)
Other Liabilities	(18)	(15)
<b>Total Liabilities</b>	<b>(4,488)</b>	<b>(4,458)</b>
<b>Foreign Exchange Exposure</b>	<b>(3,198)</b>	<b>(3,032)</b>
Notional Amount of Derivatives Contracted, Net	-	-
Cash Flow Hedge Accounting	1,458	1,429
<b>Net Foreign Exchange Exposure</b>	<b>(1,740)</b>	<b>(1,603)</b>
Perpetual Bonds	1,000	1,000
<b>Net Foreign Exchange Exposure excluding Perpetual Bonds</b>	<b>(740)</b>	<b>(603)</b>

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## Capex

CSN invested R\$189 million in 1Q17, 58% less of 4Q16.

Capex (R\$ million)	1Q16	4Q16	1Q17
Steel	119	208	92
Mining	62	78	59
Cement	139	135	24
Logistics	10	23	13
Other	-	8	-
<b>Total Capex - IFRS</b>	<b>330</b>	<b>452</b>	<b>189</b>

## Working Capital

The working capital invested in the Company's business totaled R\$3,031 million in 1Q17, R\$161 million more than in 4Q16, chiefly due to the R\$171 million increase in inventories. On a same comparison basis, the average receivable period down on 2 days, while payment periods and inventory turnover increased by 5 days and 10 days, respectively.

To calculate working capital, CSN adjusts its assets and liabilities as demonstrated below:

- Accounts Receivable: Excludes Dividends Receivable, Advances to Employees and Other Credits.;
- Inventories: Includes Estimated Losses and excludes Spare Parts, which are not part of the cash conversion cycle, and will be booked in Fixed Assets when consumed;
- Recoverable Taxes: Composed only by the Income (IRPJ) and Social Contribution (CSLL) Taxes amount included in Recoverable Taxes;
- Taxes Payable: Composed by the Current Liabilities account Taxes Payable plus Taxes in Installments;
- Advance from Clients: Subaccount of Other Liabilities recorded in Current Liabilities;
- Suppliers: Includes Forfeiting and Drawee Risk (Note 13 to the Quarterly Information - ITR).

Working Capital (R\$ Million)	1Q16	4Q16	1Q17	Change	
				1Q17 x 4Q16	1Q17 x 1Q16
<b>Assets</b>	<b>5,573</b>	<b>5,210</b>	<b>5,526</b>	<b>316</b>	<b>-47</b>
Accounts Receivable	1,689	1,905	1,849	-57	160
Inventories Turnover	3,587	3,251	3,562	311	-24
Advances to Taxes	298	54	115	60	-183
<b>Liabilities</b>	<b>2,266</b>	<b>2,340</b>	<b>2,495</b>	<b>155</b>	<b>229</b>
Suppliers	1,543	1,763	1,934	171	392
Salaries and Social Contribution	244	254	252	-2	8
Taxes Payable	412	232	190	-41	-222
Advances from Clients	67	91	119	28	52
<b>Working Capital</b>	<b>3,307</b>	<b>2,870</b>	<b>3,031</b>	<b>161</b>	<b>-276</b>

Turnover Ratio (days)	1Q16	4Q16	1Q17	Change	
				1Q17 x 4Q16	1Q17 x 1Q16
Receivables	33	35	33	-2	0
Supplier Payment	46	51	56	5	10
Inventory Turnover	106	94	104	10	-2
<b>Cash Conversion Cycle</b>	<b>93</b>	<b>78</b>	<b>81</b>	<b>3</b>	<b>-12</b>



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## Results by Segment

The Company maintains integrated operations in five business segments: Steel, Mining, Logistics, Cement and Energy.

The main assets and/or companies comprising each segment are presented below:

Notes: As of 2013, the Company ceased the proportional consolidation of its jointly-owned subsidiaries Namisa, MRS and CBSI. For the purpose of preparing and presenting the information by business segment, Management opted to maintain the proportional consolidation of its jointly-owned subsidiaries, in line with historical data. In the reconciliation of CSN's consolidated results, these companies' results are eliminated in the "Corporate Expenses/Elimination" column.

Since the end of 2015, after the combination of CSN's mining assets (Casa de Pedra, Namisa and Tecar), the consolidated results have included all the data related to this new company.

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<b>1Q17 Result (R\$ million)</b>	<b>Steel</b>	<b>Mining</b>	<b>Port Logistics</b>	<b>Railway Logistics</b>	<b>Cement</b>	<b>Energy</b>	<b>Corporate Expenses/Elimination</b>	<b>Consolidated</b>
<b>Net Revenue</b>	<b>3,071</b>	<b>1,174</b>	<b>55</b>	<b>323</b>	<b>126</b>	<b>90</b>	<b>(428)</b>	<b>4,412</b>
Domestic Market	1,789	190	55	323	126	90	(584)	1,990
Exports	1,283	984	-	-	-	-	156	2,422
Cost of Goods and Services	(2,395)	(636)	(37)	(280)	(130)	(69)	454	(3,093)
Sold								
<b>Gross Profit</b>	<b>677</b>	<b>538</b>	<b>18</b>	<b>43</b>	<b>(4)</b>	<b>21</b>	<b>25</b>	<b>1,318</b>
S&A expenses	(235)	(40)	(7)	(24)	(19)	(7)	(156)	(488)
Depreciation	169	123	3	104	35	4	(48)	390
Proportionate EBITDA of	-	-	-	-	-	-	113	113
Jointly-Owned Subsidiaries								
<b>Adjusted EBITDA</b>	<b>610</b>	<b>620</b>	<b>14</b>	<b>123</b>	<b>12</b>	<b>19</b>	<b>(65)</b>	<b>1,333</b>

<b>4Q16 Result (R\$ million)</b>	<b>Steel</b>	<b>Mining</b>	<b>Port Logistics</b>	<b>Railway Logistics</b>	<b>Cement</b>	<b>Energy</b>	<b>Corporate Expenses/Elimination</b>	<b>Consolidated</b>
<b>Net Revenue</b>	<b>2,962</b>	<b>1,317</b>	<b>62</b>	<b>324</b>	<b>128</b>	<b>67</b>	<b>(341)</b>	<b>4,519</b>
Domestic Market	1,979	168	62	324	128	67	(570)	2,159
Exports	982	1,149	-	-	-	-	228	2,359
Cost of Goods and Services	(2,334)	(797)	(34)	(237)	(133)	(48)	413	(3,170)
Sold								
<b>Gross Profit</b>	<b>628</b>	<b>521</b>	<b>28</b>	<b>87</b>	<b>(5)</b>	<b>19</b>	<b>72</b>	<b>1,349</b>
	(262)	(133)	(6)	(9)	(20)	(7)	(148)	(585)

S&A expenses								
Depreciation	179	124	3	58	28	4	(41)	<b>356</b>
Proportionate EBITDA of								
	-	-	-	-	-	-	129	<b>129</b>
Jointly-Owned Subsidiaries								
<b>Adjusted EBITDA</b>	<b>545</b>	<b>511</b>	<b>26</b>	<b>137</b>	<b>2</b>	<b>17</b>	<b>12</b>	<b>1,249</b>

## Steel

According to the World Steel Association (WSA), global crude steel production totaled 410 billion tonnes in the first quarter of 2017, 5.7% more than in 1Q16. According to the Brazilian Steel Institute (IABr), domestic crude steel production came to 8.2 million tonnes, 10.9% up. Domestic flat rolled steel production totaled 5.4 million tonnes, 6.9% up on 1Q16, while apparent consumption moved up by 5.0%, to 4.6 million tonnes, with domestic sales of 4.0 million tonnes and imports of 637,000 tonnes. Exports totaled 3.8 million tonnes, 17.4% more than in the same period last year. According

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to the Brazilian Steel Distributors' Association (INDA), 1Q17 steel purchases sales remain flat, while sales fell 8.7%, totaling 759,600 tonnes and 708,600 tonnes, respectively. Inventories stood at 951,500 tonnes at the close of 1Q17, 3.6% more than in the previous quarter while inventory turnover fell to 3.7 months.

#### Automotive

According to the Auto Manufacturers' Association (ANFAVEA), vehicle production totaled 610 million units in 1Q17, 24% up on 1Q16. In the same period, new car, light commercial vehicle, truck and bus licensing fell by 1.9% to 472,000 units. The association expects an increase of 4.0% in vehicle licensing in 2017, with the sale of 2.13 million units and production of 2.41 million units, 11.9% more than in 2016.

#### Construction

According to the Construction Material Manufacturers' Association (ABRAMAT), sales of building materials fell 6.3% between 1Q16 and 1Q17.

#### Home Appliances

According to the Brazilian Institute of Geography and Statistics (IBGE), home appliance production increased 4.5% in the first quarter over the same period last year.

### Results from CSN's Steel Operation

- **Total sales** came to 1,194,000 tonnes in 1Q17, 1% up quarter-on-quarter, broken down as follows: 52% from the domestic market, 40% from our subsidiaries abroad and 8% from exports.
- In 1Q17, CSN's **domestic** steel sales came to 617,000 tonnes, 16% less than in 4Q16. Of this total, 566,000 tonnes corresponded to flat steel and 51,000 tonnes to long steel.
- First-quarter **export** sales amounted to 577,000 tonnes, 28% up on the 4Q16 figure. Of this total, direct exports reached 92,000 tonnes, the overseas subsidiaries sold 485,000 tonnes, 157,000 LLC, 228,000 by SWT and 100,000 by Lusosider.
- In the first quarter, CSN maintained its high **share of coated products** as a percentage of total sales volume, following the strategy of adding more value to its product mix. Sales of coated products such as galvanized items and tin plate accounted for 59% of flat steel sales, 1.4% up on 4Q16, including all the markets where the Company operates. The **export market** was one of the quarter's highlights, with the share of coated products remaining high, at 87% in 1Q17.
- **Net revenue** totaled R\$3,071 million in 1Q17, 4% up on 4T16, mostly due to higher steel sales volume and the price increase observed this quarter. In the first

quarter, **average net revenue per tonne** stood at R\$2,522, 3% higher than in 4Q16.

- **COGS** moved up by 3% over the previous quarter, to R\$2,395 million.

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- Company's **production cost** amounted to R\$1,865 million in 1Q17, 4% more than in 4Q16, particularly due to the increase in coal prices.
- The **slab production cost** reached R\$1,367/t, 16% up on 4Q16.
- **Adjusted EBITDA** totaled R\$610 million in the first quarter, increasing by 12% over the R\$545 million posted in 4Q16. The adjusted EBITDA margin increased 1.5 p.p. over the previous quarter, to 19.9%.

<b>Flat Steel Production (Thousand tonnes)</b>	<b>1Q16</b>	<b>4Q16</b>	<b>1Q17</b>	<b>1Q17 x 4Q16</b>	<b>1Q17 x 1Q16</b>
<b>Total Slabs (UPV + Third Parties)</b>	<b>836</b>	<b>1,058</b>	<b>999</b>	(6%)	20%
Crude Steel Production	835	942	982	4%	18%
Third Parties Slabs	1	116	18	-	-
<b>Total Rolled Products</b>	<b>746</b>	<b>952</b>	<b>874</b>	(8%)	17%
<b>Total Long Steel</b>	<b>38</b>	<b>54</b>	<b>53</b>	-	39%

## Mining

Demand for steel in China remained high, influenced by heavy investments in infrastructure and the strong construction activity in the first quarter. Given this scenario, rising steel prices pushed up iron ore prices, which came to more than US\$95.00/dmt in February and averaged US\$85.64/dmt (Platts, Fe62%, N. China) at the end of 1Q17, 21% up quarter-on-quarter.

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In the first quarter, maritime freight was positively impacted by the upturn in crude prices and, consequently, in ship fuel. As a result, Route BCI-C3 (Tubarão-Qingdao) averaged US\$13.03/t, 10% up on 4Q16.

### Results from CSN's Mining Operation

- CSN's first-quarter **iron ore production** totaled 7.8 million tonnes, in line with the 4Q16 figure.
- Iron ore **sales** amounted to 7.2 million tonnes in 1Q17, 21% down on 4Q16. CSN Mineração sold 1.3 million tonnes of iron ore to the President Vargas Plant (UPV).

<b>Production Volume and Mining Sales (thousand t)</b>	<b>1Q16</b>	<b>4Q16</b>	<b>1Q17</b>	<b>1Q17 x 4Q16</b>	<b>1Q17 x 1Q16</b>
Iron Ore Production <sup>1</sup>	7,326	7,758	7,858	1%	7%
Third Parties Purchase	617	609	137	(78%)	(78%)
<b>Total Production + Purchase</b>	<b>7,943</b>	<b>8,367</b>	<b>7,995</b>	<b>(4%)</b>	<b>1%</b>
UPV Sale	1,047	1,264	1,347	7%	29%
Third Parties Sales Volume	7,248	7,927	5,897	(26%)	(19%)
<b>Total Sales</b>	<b>8,295</b>	<b>9,191</b>	<b>7,244</b>	<b>(21%)</b>	<b>(13%)</b>

<sup>1</sup> Production and sales volumes included the stakes of 100% in NAMISA until November 2015 and 100% in Congonhas in December 2015.

<sup>2</sup> As of December 2015, Congonhas Minérios began selling iron ore to CSN's President Vargas Plant (UPV).

- **Net revenue** from mining operations totaled R\$1,174 million in 1Q17, 11% down on 4Q16 due to the lower sales volume. CRF+FOB unit revenue stood at US\$53/t in 4Q16, 20% up on the previous quarter, while the iron ore price index (Platts, 62% Fe, N. China) rose 21% in the same period.
- In the first quarter, mining **COGS** totaled R\$636 million, 20% less than in 4Q16, influenced by lower sales volume.
- **Adjusted EBITDA** amounted to R\$620 million in 1Q17, 20% higher than in 4Q16, accompanied by an adjusted EBITDA margin of 52.8%, 14.0 p.p. up, chiefly due to the reduction in total sales volume.

The table above shows the breakdown of CSN's price of modality, CFR+FOB, by quarter, as of 2Q16.

### Logistics

**Railway Logistics:** first-quarter **net revenue** totaled R\$323 million, generating **EBITDA** of R\$123 million and an **EBITDA margin** of 38%.

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**Port Logistics:** in the first quarter, Sepetiba Tecon handled 275,000 tonnes of steel products, in addition to 5,000 tonnes of general cargo and approximately 30,000 containers. First-quarter **net revenue** came to R\$55 million, accompanied by **EBITDA** of R\$14 million and an **EBITDA margin** of 26%.

<b>Sepetiba TECON Highlights</b>	<b>1Q1</b>	<b>4Q16</b>	<b>1Q17</b>	<b>1Q17 x 4Q16</b>	<b>1Q17x 1Q16</b>
Container Volume (thousand units)	39	35	30	(15%)	(23%)
Steel Product Volume (thousand t)	143	338	275	(19%)	92%
General Cargo Volume (thousand t)	12	7	5	(27%)	(58%)

## **Cement**

According to IBGE's Monthly Survey of Industry (PIM-PF), Brazil's cement production in the last twelve months recorded year-on-year reduction of 9.3%, in line with the civil construction segment's performance.

Preliminary figures from the Cement Industry Association (SNIC) indicate local cement sales of 13 million tonnes in 1Q17, 8.2% less than in the previous year. The SNIC expects 2017 cement sales to fall by between 5% and 7% over 2016.

### Results from CSN's Cement Operation

In 1Q17, **cement sales** amounted to 821,000 tonnes, 3% more than in 4Q16, while **net revenue** came to R\$126 million **EBITDA** totaled R\$12 million, with an **EBITDA margin** of 10%.

<b>Cement Highlights (thousand t)</b>	<b>1Q16</b>	<b>4Q16</b>	<b>1Q17</b>	<b>Change</b>	
				<b>1Q17 x 4Q16</b>	<b>1Q17x 1Q16</b>
Total Production	580	801	817	2%	41%
Total Sales	571	799	821	3%	44%

## **Energy**

According to the Energy Research Company (EPE), Brazilian electricity consumption until March 2017 recorded a year-on-year increase of 2.0%, to 118GWh. Consumption in the industrial and commercial segments grew by 1.1% and 0.5%, respectively.

### Results from CSN's Energy Operation

In 1Q17, **net revenue** from energy operations totaled R\$90 million, **EBITDA** stood at R\$19 million and the **EBITDA margin** was 21%.

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## Capital Market

CSN's shares appreciated by 6% in 1Q17, while the Ibovespa increased by 7% in the same period. Daily traded volume on the B3 S.A. – BOLSA BRASIL BALCÃO averaged R\$51.8 million. On the New York Stock Exchange (NYSE), CSN's American Depositary Receipts (ADRs) appreciated by 15%, versus the Dow Jones' 1% upturn. On the NYSE, daily traded volume of CSN's ADRs averaged US\$8.3 million.

	<b>1Q17</b>
<b>Number of shares in thousand</b>	<b>1,387,524</b>
<b>Market Cap</b>	
Closing price (R\$/share)	11.47
Closing price (US\$/ADR)	3.70
Market Capitalization (R\$ million)	15,915
Market Capitalization (US\$ million)	5,134
<b>Total return including dividends and interest on equity</b>	
CSNA3	6%
SID	15%
Ibovespa	7%
Dow Jones	1%
<b>Volume</b>	
Daily Average (thousand shares)	4,555
Daily Average (R\$ thousand)	51,755
Daily Average (thousand ADRs)	2,302
Daily Average (US\$ thousand)	8,346

Source: Bloomberg

### Webcast –1Q17 Earnings Presentation

Conference Call in Portuguese with Simultaneous

Translation

into English

October 31, 2017 –Tuesday

12:30 p.m. (US EDT)

02:30 p.m. (Brasília time)

Phone: +1 (516) 300-1066

Code: CSN

Replay phone: +55 (11) 3127-4999

Replay code: 42709759

Conference ID: CSN

Webcast: [www.csn.com.br/ri](http://www.csn.com.br/ri)

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statements under 'Outlook'. Actual results, performance or events may differ materially from those expressed or implied by the forward-looking statements as a result of several factors, such as the general and economic conditions in Brazil and other countries, interest rate and exchange rate levels, protectionist measures in the U.S., Brazil and other countries, changes in laws and regulations and general competitive factors (on a global, regional or national basis).

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**INCOME STATEMENT**  
**CONSOLIDATED – Corporate Law (In thousand of R\$)**

	1Q16	4Q16	1Q17
<b>Net Revenues</b>	<b>3,997,286</b>	<b>4,518,596</b>	<b>4,411,596</b>
<b>Domestic Market</b>	1,701,293	2,159,265	1,989,552
<b>Foreign Market</b>	2,295,993	2,359,331	2,422,044
<b>Cost of Goods Sold (COGS)</b>	<b>(3,073,661)</b>	<b>(3,169,630)</b>	<b>(3,093,474)</b>
<b>COGS, excluding depreciation</b>	(2,770,932)	(2,833,972)	(2,711,868)
<b>Depreciation allocated to COGS</b>	(302,729)	(335,658)	(381,606)
<b>Gross Profit</b>	<b>923,625</b>	<b>1,348,966</b>	<b>1,318,122</b>
<b>Gross Margin (%)</b>	23%	30%	30%
<b>Selling Expenses</b>	(447,175)	(446,470)	(367,575)
<b>General and Administrative Expenses</b>	(156,408)	(118,400)	(112,398)
<b>Depreciation allocated to SG&amp;A</b>	(5,866)	(20,173)	(8,278)
<b>Other operation income (expense), net</b>	(138,823)	(114,226)	(99,189)
<b>Share of profits (losses) of investees</b>	45,624	(23,555)	21,105
<b>Operational Income before Financial Results</b>	<b>220,977</b>	<b>626,142</b>	<b>751,787</b>
<b>Net Financial Results</b>	(884,599)	(677,171)	(497,224)
<b>Income before social contribution and income taxes</b>	<b>(663,622)</b>	<b>(51,029)</b>	<b>254,563</b>
<b>Income Tax and Social Contribution</b>	(113,408)	(1,929)	(136,948)
<b>Continued operations, net</b>	<b>(777,030)</b>	<b>(52,958)</b>	<b>117,615</b>
<b>Discontinued Operations, Net</b>	<b>333</b>	<b>(2,775)</b>	
<b>Profit/(Loss) for the period</b>	<b>(776,697)</b>	<b>(55,733)</b>	<b>117,615</b>

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**BALANCE SHEET**  
**Company Corporate Law (In Thousand of R\$)**

	12/31/2016	Consolidated 03/31/2017
<b>Current assets</b>	<b>12,444,918</b>	<b>12,149,265</b>
Cash and cash equivalents	5,631,553	5,050,484
Trade receivables	1,997,216	1,931,081
Inventories	3,964,136	4,259,964
Other current assets	852,013	907,736
<b>Non-current assets</b>	<b>31,708,705</b>	<b>31,628,900</b>
Long-term receivables	1,745,971	1,791,202
Investments measured at amortized cost	4,568,451	4,652,783
Property, plant and equipment	18,135,879	17,921,071
Intangible assets	7,258,404	7,263,844
<b>Total assets</b>	<b>44,153,623</b>	<b>43,778,165</b>
<b>Current liabilities</b>	<b>5,496,683</b>	<b>5,407,953</b>
Payroll and related taxes	253,837	251,521
Suppliers	1,763,206	1,934,358
Taxes payable	231,861	177,488
Borrowings and financing	2,117,448	1,837,999
Other payables	1,021,724	1,105,992
Provision for tax, social security, labor and civil risks	108,607	100,595
<b>Non-current liabilities</b>	<b>31,272,419</b>	<b>30,700,275</b>
Borrowings and financing	28,323,570	27,688,594
Deferred Income Tax and Social Contribution	1,046,897	1,084,701
Other payables	131,137	128,301
Provision for tax, social security, labor and civil risks	704,485	729,831
Other provisions	1,066,330	1,068,848
<b>Shareholders' equity</b>	<b>7,384,521</b>	<b>7,669,937</b>
Paid-in capital	4,540,000	4,540,000
Capital reserves	30	30
Acumulated Losses	(1,301,961)	(1,216,331)
Statutory reserve	2,956,459	3,124,251
Non-controlling interests	1,189,993	1,221,987
<b>TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY</b>	<b>44,153,623</b>	<b>43,778,165</b>

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**CASH FLOW STATEMENT**  
**CONSOLIDATED - Corporate Law (In Thousand of R\$)**

	4Q16	1Q17
<b>Net cash generated by operating activities</b>	<b>501,798</b>	<b>(104,517)</b>
(Net Losses) / Net income attributable to controlling shareholders	(82,164)	85,630
Loss for the period attributable to non-controlling interests	26,431	31,985
Charges on borrowings and financing	698,075	670,722
Depreciation, depletion and amortization	365,782	401,276
Share of profits (losses) of investees	23,555	(21,105)
Deferred income tax and social contribution	(73,048)	22,793
Foreign exchange and monetary variations, net	102,301	(272,176)
Result from derivative financial instruments	(5,829)	(13,224)
Write off fixed assets and intangible	26,548	2,572
Accrued actuarial liability	(18,803)	
Gain with business combination	(38,483)	
Gain on divestiture from assets	(252,023)	
Environmental liabilities and Deactivation Provisions	18,271	2,518
Impairment Fair Value Transnordestina	387,989	
Fiscal, Social Security, Labor, Civil and Environmental Provisions	2,817	18,179
<b>Working Capital</b>	<b>(139,630)</b>	<b>(103,895)</b>
Accounts Receivable	(85,853)	87,436
Trade Receivables – Related Parties	(2,859)	(21,349)
Inventory	(164,844)	(312,169)
Interest receive - Related Parties	27,633	1,727
Judicial Deposits	13,354	(15,347)
Suppliers	195,354	192,477
Taxes and Contributions	(60,711)	(59,047)
Others	(61,704)	22,377
<b>Others Payments and Receipts</b>	<b>(539,991)</b>	<b>(929,792)</b>
Interest Expenses	(539,991)	(929,792)
<b>Cash Flow from Investment Activities</b>	<b>(572,077)</b>	<b>(153,386)</b>
Fixed Assets/Intangible	(452,170)	(188,573)
Derivative transactions	(9,394)	15,200
Related parties loans	(64,343)	(15,188)
Loans / Receive loans - related parties		9,472
Short-term investment, net of redeemed amount	(418,707)	25,703
Cash and Cash Equivalent from discontinued operations	40,702	
Net Cash from Divestiture from discontinued operations investments	331,835	
<b>Cash Flow from Financing Companies</b>	<b>(128,354)</b>	<b>(306,516)</b>
Borrowings and financing raised, net of transaction costs	22,597	
Borrowing amortizations - principal	(151,196)	(306,516)
Borrowing costs	245	
<b>Foreign Exchange Variation on Cash and Cash Equivalents</b>	<b>(21,577)</b>	<b>9,053</b>

**Free Cash Flow**

**(220,210)**

**(555,366)**

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## SALES VOLUME CONSOLIDATED (thousand tonnes)

	1Q16	4Q16	1Q17	1Q17 x 4Q16	1Q17 x 1Q16
<b>Flat Steel</b>	<b>611</b>	<b>689</b>	<b>566</b>	<b>(123)</b>	<b>(45)</b>
Slabs	-	-	-	-	-
Hot Rolled	220	243	215	(29)	(6)
Cold Rolled	108	137	118	(19)	9
Galvanized	197	207	157	(50)	(40)
Tin Plates	85	102	77	(26)	(8)
<b>Long Steel UPV</b>	<b>38</b>	<b>47</b>	<b>51</b>	<b>4</b>	<b>13</b>
<b>DOMESTIC MARKET</b>	<b>649</b>	<b>736</b>	<b>617</b>	<b>(119)</b>	<b>(32)</b>

  

	1Q16	4Q16	1Q17	1Q17 x 4Q16	1Q17 x 1Q16
<b>Flat Steel</b>	<b>381</b>	<b>270</b>	<b>349</b>	<b>79</b>	<b>(32)</b>
Hot Rolled	59	9	20	11	(39)
Cold Rolled	27	18	24	6	(3)
Galvanized	265	202	258	56	(7)
Tin Plates	30	41	48	6	18
<b>Long Steel (profiles)</b>	<b>216</b>	<b>181</b>	<b>228</b>	<b>47</b>	<b>12</b>
<b>FOREIGN MARKET</b>	<b>597</b>	<b>451</b>	<b>577</b>	<b>126</b>	<b>(20)</b>

  

	1Q16	4Q16	1Q17	1Q17 x 4Q16	1Q17 x 1Q16
<b>Flat Steel</b>	<b>992</b>	<b>959</b>	<b>915</b>	<b>(44)</b>	<b>(77)</b>
Slabs	-	-	-	-	-
Hot Rolled	280	252	235	(17)	(45)
Cold Rolled	135	155	141	(14)	6
Galvanized	462	408	415	7	(47)
Tin Plates	115	144	124	(20)	9
<b>Long Steel UPV</b>	<b>38</b>	<b>47</b>	<b>51</b>	<b>4</b>	<b>13</b>
<b>Long Steel (profiles)</b>	<b>216</b>	<b>181</b>	<b>228</b>	<b>47</b>	<b>12</b>
<b>TOTAL MARKET</b>	<b>1.246</b>	<b>1.187</b>	<b>1.194</b>	<b>7</b>	<b>(52)</b>

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