

Vale S.A.  
Form 6-K  
August 08, 2013  
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**United States  
Securities and Exchange Commission**

Washington, D.C. 20549

**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**

**August 2013**

**Vale S.A.**

**Avenida Graça Aranha, No. 26  
20030-900 Rio de Janeiro, RJ, Brazil**

(Address of principal executive office)

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

(Check One) Form 20-F  Form 40-F

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(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1))

(Check One) Yes  No

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(Check One) Yes  No

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

(Check One) Yes  No

(If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b). 82- .)

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**DELIVERING ON THE PROMISES: SUSTAINING COST REDUCTION**

VALE S PERFORMANCE IN 2Q13

Rio de Janeiro, August 07, 2013 Vale S.A. (Vale) had a solid financial performance in the second quarter of 2013 (2Q13) amidst an environment of below-trend global economic growth and declining minerals and metals prices. Operating revenues were US\$ 11.3 billion, operating income, as measured by adjusted EBIT, reached US\$ 3.6 billion, adjusted EBITDA US\$ 5.0 billion, and underlying earnings US\$ 3.3 billion, US\$ 0.64 per share.

Copper, gold and coal production achieved all-time high figures, at 91,300 t(1), 63,000 oz and 2.4 Mt, respectively, while nickel output remained at 65,000 t, its best second quarter since 2Q08. Salobo is ramping up successfully, beginning to generate cash in June.

We are executing our business plan, which provides exposure to a large world-class natural resource base and multiple opportunities for shareholder value creation, underpinned by a greater focus on cost and capital management discipline, financial strength and an efficient logistics infrastructure. In this context, we are concluding important base metals projects, such as Salobo II copper, executing some world-class bulk materials projects, such as Carajás S11D iron ore and Moatize II coal, expanding the logistics network Teluk Rubiah, CLNS 11D and the Nacala Corridor to support our global operations. Simultaneously, we are divesting non-core assets, cutting research and development (R&D) expenditures, operating costs and corporate expenses and maintaining a strong balance sheet.

We have continued to deliver on our promises. The several initiatives under way are producing sequential improvements: total costs and expenses(2) fell by US\$ 736 million in 2Q13 versus 2Q12, accumulating a reduction of US\$ 1.6 billion in the first half of 2013 (1H13) compared to 1H12 driven by decreases in costs by US\$ 845 million (8%), sales, general and administrative (SG&A) expenses by US\$ 435 million (42%) and R&D by US\$ 324 million (49%)(3).

Supported by the cost cutting efforts, adjusted EBITDA remained steady at US\$ 10.2 billion in the first half of this year, declining only US\$ 304 million on a year-on-year basis, notwithstanding the US\$ 2.1 billion fall in revenues determined mostly by price decreases.

We are strongly committed to persist in our relentless efforts to pursue a cost structure consistent with continuous value creation through the cycles. In addition to our own efforts, the cost performance of 2Q13 was reached with an average Brazilian real (BRL) / US dollar (USD) exchange rate of 2.07 in 2Q13, thus highlighting potential opportunities for further savings, given that the BRL/USD stood at 2.23 at the end of 2Q13.

BM&F BOVESPA: VALE3, VALE5

NYSE: VALE, VALE.P

HKEx: 6210, 6230

EURONEXT PARIS: VALE3, VALE5

LATIBEX: XVALO, XVALP

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*IFRS*  
*2Q13*

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(1) Mt: million tons, t: ton, oz: troy ounces.

(2) Net of depreciation and loss on sale of assets.

(3) This is an accounting figure, in the investment section of this press release we disclose the amount for research and development computed in accordance with the financial disbursement.



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Iron ore sales were slightly above planned, 61.9 Mt in 2Q13 and 117.6 Mt in 1H13, and in line with 1H12. The average price for our iron ore shipments changed to US\$ 99.20 from US\$ 111.70 in 1Q13, as we managed to cushion the effect of the fall of the IODEX 62% Fe to US\$ 125.95 in 2Q13 from US\$ 148.40, given the mix of different pricing mechanisms in our sales portfolio. Revenues were sustained at US\$ 6.1 billion and adjusted EBITDA for ferrous minerals kept steady at US\$ 4.7 billion, the same level as 1Q13.

Our total debt came to US\$ 29.9 billion from US\$ 30.2 billion at the end of 1Q13, despite paying US\$ 2.25 billion in dividends and investing US\$ 3.6 billion in 2Q13, thus contributing to sustain our financial leverage at 1.6 times the adjusted EBITDA for the last twelve-month period, a low level for this stage of the cycle.

Cash position was shored up by important improvements in working capital resulting from a series of initiatives to increase efficiency and optimize capital management. The number of days of receivables was shortened to 40.1 in 2Q13 against 50.6 in 1Q13. This has contributed to free cash in the amount of US\$ 1.3 billion when compared to March 2013. Inventories also fell by US\$ 378 million in 2Q13 versus 1Q13.

One important milestone was attained in July with the granting by the Brazilian environmental protection agency (IBAMA) of the installation license (LI) for Carajás S11D, the largest, highest quality and lowest cost world-class iron ore project in the global industry. Given the combination of high quality and low operating costs, S11D has the potential to generate sizable shareholder value even in the face of a scenario of low iron ore prices.

We also reached completion of work on several projects to increase the railway capacity on the Carajás railroad (EFC), an important enabler of production growth for the Additional 40 Mtpy project.

The license to implement S11D, the improving operational performance of base metals on the back of the successful ramp-up of Salobo, and the strong financial performance supported by lower costs and expenses will uniquely position Vale to be amongst the clear winners in the natural resources industry in the years to come.

Financial highlights in 2Q13:

- Operating revenues totaled US\$ 11.3 billion, in line with 1Q13. The increase in sales volumes was partially offset by lower prices.
- Income from existing operations, as measured by adjusted EBIT(a) (earnings before interest and taxes), was US\$ 3.6 billion, versus US\$ 4.2 billion in 1Q13.
- Operating income margin of 32.7%, as measured by adjusted EBIT margin.

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- Underlying earnings(g) were US\$ 3.3 billion, equal to US\$ 0.64 per share on a fully diluted basis, against US\$ 3.1 billion in 1Q13, net of the accounting effects of non-cash and/or non-recurring items.
- Cash generation, as measured by adjusted EBITDA(b) (earnings before interest, taxes, depreciation and amortization) of US\$ 5.0 billion in 2Q13, against US\$ 5.2 billion in the previous quarter.
- Capex excluding acquisitions in 2Q13 equal to US\$ 3.6 billion, 9.8% and 16.1% lower than 1Q13 and 2Q12, respectively. R&D expenditures were reduced by US\$113 million quarter-on-quarter and US\$ 241 million year-on-year.



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- Investments in corporate social responsibility reached US\$ 262 million, US\$ 214 million of which was for environmental protection and conservation and US\$ 48 million for social projects.
- The first tranche of the US\$ 4.0 billion minimum dividend for 2013, US\$ 2.25 billion, was paid to shareholders on April 30, 2013.
- Maintenance of a strong balance sheet, with low debt leverage, measured by the ratio of total debt to LTM adjusted EBITDA excluding non-recurring items, equal to 1.6x, long average maturity, at 9.9 years, and low average cost, 4.5% per year as of June 30, 2013.

**Table 1 - SELECTED FINANCIAL INDICATORS**

US\$ million	2Q13 (A)	1Q13 (B)	2Q12 (C)	% (A/B)	% (A/C)
Operating revenues	11,277	11,201	12,726	0.7	(11.4)
Adjusted EBIT(1)	3,602	4,156	4,339	(13.3)	(17.0)
Adjusted EBIT margin(1) (%)	32.7	38.0	34.8		
Adjusted EBITDA(1)	4,957	5,202	5,497	(4.7)	(9.8)
Underlying earnings(1)	3,287	3,089	4,081	6.4	(19.5)
Underlying earnings per share on a fully diluted basis(1) (US\$ / share)	0.64	0.60	0.80	6.4	(20.3)
Total debt/ adjusted LTM EBITDA(1) (x)	1.6	1.6	0.9	1.7	70.7
ROIC (%)	21.9	22.0	31.9		
Capital and R&D expenditures (excluding acquisitions)	3,597	3,987	4,287	(9.8)	(16.1)

(1) Excluding non-recurring and/or non-cash items

US\$ million	1H13 (A)	1H12 (B)	% (B/A)
Operating revenues	22,478	24,563	(8.5)
Adjusted EBIT(1)	7,758	8,232	(5.8)
Adjusted EBIT margin(1) (%)	35.3	34.3	
Adjusted EBITDA(1)	10,159	10,463	(2.9)
Underlying earnings(1)	6,376	7,392	(13.7)
Underlying earnings per share on a fully diluted basis(1) (US\$ / share)	1.24	1.44	(14.2)
Capital and R&D expenditures (excluding acquisitions)	7,584	7,964	(4.8)

(1) Excluding non-recurring and/or non-cash items

Except where otherwise indicated the operational and financial information in this release is based on the consolidated figures in accordance with IFRS and, with the exception of information on investments and behavior of markets, quarterly financial statements are reviewed by the

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company's independent auditors. The main subsidiaries that are consolidated are the following: Compañía Minera Miski Mayo S.A.C., Ferrovia Centro-Atlântica S.A.(FCA), Ferrovia Norte Sul S.A, Mineração Corumbaense Reunida S.A., PT Vale Indonesia Tbk (formerly International Nickel Indonesia Tbk), Sociedad Contractual Minera Tres Valles, Vale Australia Pty Ltd., Vale International Holdings GMBH, Vale Canada Limited (formerly Vale Inco Limited), Vale Fertilizantes S.A., Vale International S.A., Vale Manganês S.A., Vale Mina do Azul S.A., Vale Moçambique S.A., Vale Nouvelle-Calédonie SAS, Vale Oman Pelletizing

Company LLC and Vale Shipping Holding PTE Ltd..

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## OPERATING REVENUES

Operating revenues equaled US\$ 11.277 billion, 0.7% above 1Q13. The increase from the previous quarter was mainly due to higher shipments in 2Q13 in all business segments (US\$ 1.132 billion), composed of larger volumes of bulk materials (US\$ 886 million), base metals (US\$ 101 million), fertilizers (US\$ 62 million) and general cargo (US\$ 83 million). These gains were offset by lower prices (US\$ 1.056 billion), mostly driven by bulk materials (US\$ 897 million), base metals (US\$ 244 million) and fertilizers (US\$ 26 million).

The share of bulk materials – iron ore, pellets, manganese ore, ferroalloys, metallurgical and thermal coal – in operating revenues was 71.2%, in line with the 71.8% in 1Q13. The base metals contribution decreased to 15.1% of total revenues against 16.4% in 1Q13. Fertilizers increased slightly to 7.1% from 6.9% in 1Q13. Logistics services represented 3.8% of total revenues and other products 3.0%.

Shipments to Asia represented 50.1% of total revenues, with a slight decrease from 51.3% in 1Q13. The share of the Americas continued to increase, to 27.4% from 26.1% in 1Q13. Europe accounted for 17.8%, slightly below 18.5% in the previous quarter. The Middle East was 3.3% and the rest of the world, 1.4%.

On a country basis, the share of sales to China amounted to 31.5% of total revenues, Brazil 20.3%, Japan 10.6%, Germany 7.2%, South Korea 3.9% and the United States 3.2%.

**Table 2 - OPERATING REVENUE BY BUSINESS AREAS**

US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>Bulk materials</b>	<b>8,031</b>	<b>71.2</b>	<b>8,042</b>	<b>71.8</b>	<b>9,510</b>	<b>74.7</b>
<b>Ferrous minerals</b>	<b>7,777</b>	<b>69.0</b>	<b>7,831</b>	<b>69.9</b>	<b>9,234</b>	<b>72.6</b>
Iron ore	6,143	54.5	6,219	55.5	7,081	55.6
Pellets	1,498	13.3	1,458	13.0	1,952	15.3
Manganese ore	52	0.5	64	0.6	63	0.5
Ferroalloys	56	0.5	66	0.6	129	1.0
Pellet plant operation services					9	0.1
Others	28	0.2	24	0.2		
<b>Coal</b>	<b>254</b>	<b>2.3</b>	<b>211</b>	<b>1.9</b>	<b>276</b>	<b>2.2</b>
Thermal coal	14	0.1	6	0.1	79	0.6
Metallurgical coal	240	2.1	206	1.8	197	1.5
<b>Base metals</b>	<b>1,699</b>	<b>15.1</b>	<b>1,842</b>	<b>16.4</b>	<b>1,781</b>	<b>14.0</b>
Nickel	983	8.7	1,084	9.7	1,119	8.8
Copper	472	4.2	514	4.6	458	3.6
PGMs	105	0.9	125	1.1	115	0.9
Gold	96	0.8	77	0.7	58	0.5
Silver	11	0.1	11	0.1	15	0.1
Cobalt	19	0.2	18	0.2	16	0.1
Others	14	0.1	14	0.1		
<b>Fertilizer nutrients</b>	<b>805</b>	<b>7.1</b>	<b>769</b>	<b>6.9</b>	<b>923</b>	<b>7.3</b>
Potash	52	0.5	57	0.5	81	0.6

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Phosphates	580	5.1	496	4.4	630	4.9
Nitrogen	148	1.3	196	1.8	193	1.5
Others	25	0.2	20	0.2	19	0.1
<b>Logistics services</b>	<b>430</b>	<b>3.8</b>	<b>337</b>	<b>3.0</b>	<b>408</b>	<b>3.2</b>
Railroads	350	3.1	281	2.5	294	2.3
Ports	80	0.7	56	0.5	114	0.9
<b>Others</b>	<b>312</b>	<b>2.8</b>	<b>211</b>	<b>1.9</b>	<b>104</b>	<b>0.8</b>
<b>Total</b>	<b>11,277</b>	<b>100.0</b>	<b>11,201</b>	<b>100.0</b>	<b>12,726</b>	<b>100.0</b>

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US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>North America</b>	<b>603</b>	<b>5.3</b>	<b>631</b>	<b>5.6</b>	<b>686</b>	<b>5.4</b>
USA	360	3.2	316	2.8	410	3.2
Canada	237	2.1	310	2.8	265	2.1
Mexico	5		5		11	0.1
<b>South America</b>	<b>2,492</b>	<b>22.1</b>	<b>2,290</b>	<b>20.4</b>	<b>2,523</b>	<b>19.8</b>
Brazil	2,284	20.3	2,100	18.7	2,312	18.2
Others	209	1.8	191	1.7	212	1.7
<b>Asia</b>	<b>5,646</b>	<b>50.1</b>	<b>5,746</b>	<b>51.3</b>	<b>6,776</b>	<b>53.2</b>
China	3,552	31.5	4,442	39.7	4,346	34.2
Japan	1,196	10.6	498	4.4	1,273	10.0
South Korea	441	3.9	358	3.2	591	4.6
Taiwan	278	2.5	282	2.5	356	2.8
Others	179	1.6	166	1.5	210	1.6
<b>Europe</b>	<b>2,011</b>	<b>17.8</b>	<b>2,067</b>	<b>18.5</b>	<b>2,328</b>	<b>18.3</b>
Germany	807	7.2	681	6.1	744	5.8
France	167	1.5	309	2.8	149	1.2
Netherlands	77	0.7	102	0.9	73	0.6
UK	251	2.2	200	1.8	214	1.7
Italy	301	2.7	283	2.5	498	3.9
Turkey	50	0.4	62	0.6	124	1.0
Spain	89	0.8	81	0.7	108	0.8
Others	269	2.4	349	3.1	418	3.3
<b>Middle East</b>	<b>368</b>	<b>3.3</b>	<b>343</b>	<b>3.1</b>	<b>289</b>	<b>2.3</b>
<b>Rest of the World</b>	<b>157</b>	<b>1.4</b>	<b>123</b>	<b>1.1</b>	<b>124</b>	<b>1.0</b>
<b>Total</b>	<b>11,277</b>	<b>100.0</b>	<b>11,201</b>	<b>100.0</b>	<b>12,726</b>	<b>100.0</b>

## COSTS AND EXPENSES

Costs and expenses performed in accordance with our plans and initiatives, aiming to deliver a lower cost structure on a permanent basis to allow for shareholder value creation through the cycles. This year the reduction of costs and expenses has been an important source of improvement to our financial performance. However, as we have stressed on various occasions this is a long process, where persistence and patience are critical factors.

Compared to 2Q12, total costs and expenses, net of depreciation charges, showed a material contraction in 2Q13, with savings of US\$ 736 million, whilst costs and expenses in 1H13 were US\$ 1.6 billion lower than in 1H12. This performance was achieved notwithstanding the new state mining taxes (TFRM) that impacted costs in 2Q13 (US\$ 48 million), amounting to US\$ 98 million in 1H13, against a zero impact in the first half of last year.

After adjusting for the effects of higher volumes (US\$ 695 million), COGS (cost of goods sold) was down US\$ 192 million when compared to 1Q13 with most of the items reducing. Volatility of currency prices helped to decrease COGS by US\$ 133 million(4).

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Cost of materials 16.3% of COGS was US\$ 1.014 billion, up 5.7% against 1Q13. After adjusting for volumes and exchange rate variations, there was a net decrease of US\$ 28 million, as a consequence of lower costs with materials for the phosphates operations amounting to US\$ 31 million due to the change in product mix.

The cost of purchasing products from third parties amounted to US\$ 412 million 6.6% of COGS against US\$ 284 million in 1Q13 and US\$ 377 million in 2Q12. Purchases of iron ore came to 2.4 Mt, increasing from 1.8 Mt in 1Q13.

We bought 1,600 t of finished and intermediary nickel against 1,300 t in 1Q13 and 6,100 t of copper, versus 7,800 t in 1Q13. The costs of purchasing other products amounted to US\$ 185 million in 2Q13. These include mostly precious metals to be processed at the Acton refinery to fill idle capacity.

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(4) COGS currency exposure in 2Q13 was made up as follows: 54% Brazilian reais, 27% US dollar, 14% Canadian dollars, 3% Australian dollars and 2% other currencies

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Maritime freight costs reached US\$ 679 million in 2Q13, which as stated previously are fully accrued as cost of goods sold. The freight costs in the 2Q13 were US\$ 76 million above 1Q13 due to different routes used, such as a higher portion of shipments from Corumbá to Asia, and longer queues in the Ponta da Madeira maritime terminal(5).

Other operational costs reached US\$ 597 million in line with the US\$ 590 million in 1Q13. The TFRM was US\$ 48 million in 2Q13, a reduction of US\$ 2 million vis-à-vis 1Q13. CFEM, Brazil's federal mining royalty, was US\$ 119 million, US\$ 14 million higher than 1Q13.

In 2Q13, SG&A expenses fell by 47.3% on a year-on-year basis, a reduction of US\$ 291 million. When compared to 1Q13, SG&A expenses diminished 13.4%, with savings of US\$ 50 million. R&D expenditures(6) were also curtailed, totaling US\$ 158 million, against US\$ 359 million in 2Q12 and US\$ 176 million in 1Q13.

In 2Q13, we revised the concept of pre-operating, stoppage and idle capacity expenses to pre-operating and stoppage. Pre-operating and stoppage expenses(7) increased to US\$ 462 million from US\$ 375 million in 1Q13.

Pre-operating expenses were US\$ 323 million in 2Q13, reflecting the expenses of VNC (US\$ 168 million), Long Harbour (US\$ 43 million), S11D (US\$ 28 million) and Conceição Itabirito (US\$ 15 million). Once projects ramp up and revenues start to cover costs, pre-operating expenses will be shifted to cost of goods sold. Pre-operating expenses also include costs with oversight of projects in the construction phase, which explains the increasing significance of such expenses for S11 D, for example.

Stoppage expenses reached US\$ 139 million in 2Q13, stemming from the suspension of Rio Colorado (US\$ 76 million), and the shutdown of pellet plants (US\$ 28 million) and Onça Puma (US\$ 35 million).

Other operating expenses increased US\$ 129 million compared to 1Q13, reaching US\$ 263 million in 2Q13. Excluding the one-off effect of the gold streaming transaction, other expenses decreased US\$ 115 million in 2Q13. The comparison with 2Q12 is also positive with a decrease of US\$ 17 million from US\$ 280 million.

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(5) Demurrage charges reached US\$ 81 million in 2Q13, against US\$100 million in 1Q13. It is worthwhile noting that in the case of chartered vessels working under time-charter contracts demurrage charges are expensed against the cost of maritime freight. In contrast, demurrage charges from voyage-chartered vessels are accounted for in other costs.

(6) This is an accounting figure. In the investment section of this press release we disclose the amount of US\$ 155 million for research and development, computed in accordance with the financial disbursement in 2Q13.

(7) Including depreciation.





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US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>Outsourced services</b>	<b>978</b>	<b>15.7</b>	<b>868</b>	<b>15.2</b>	<b>1,285</b>	<b>19.6</b>
Cargo freight	305	4.9	248	4.3	323	4.9
Maintenance of equipment and facilities	168	2.7	163	2.8	215	3.3
Operational Services	98	1.6	134	2.3	281	4.3
Others	407	6.5	323	5.7	466	7.1
<b>Material</b>	<b>1,014</b>	<b>16.3</b>	<b>959</b>	<b>16.8</b>	<b>1,091</b>	<b>16.7</b>
Spare parts and maintenance equipment	291	4.7	279	4.9	357	5.5
Inputs	462	7.4	448	7.8	524	8.0
Tires and conveyor belts	56	0.9	134	2.3	55	0.8
Others	205	3.3	98	1.7	154	2.4
<b>Energy</b>	<b>639</b>	<b>10.3</b>	<b>621</b>	<b>10.9</b>	<b>741</b>	<b>11.3</b>
Fuel and gases	490	7.9	461	8.1	527	8.0
Electric energy	149	2.4	160	2.8	213	3.3
<b>Acquisition of products</b>	<b>412</b>	<b>6.6</b>	<b>284</b>	<b>5.0</b>	<b>377</b>	<b>5.8</b>
Iron ore and pellets	110	1.8	66	1.2	221	3.4
Nickel products	117	1.9	118	2.1	85	1.3
Other products	185	3.0	100	1.7	72	1.1
<b>Personnel</b>	<b>836</b>	<b>13.4</b>	<b>786</b>	<b>13.7</b>	<b>909</b>	<b>13.9</b>
<b>Freight</b>	<b>679</b>	<b>10.9</b>	<b>603</b>	<b>10.5</b>	<b>576</b>	<b>8.8</b>
<b>Depreciation and exhaustion</b>	<b>975</b>	<b>15.7</b>	<b>927</b>	<b>16.2</b>	<b>940</b>	<b>14.3</b>
<b>Shared services</b>	<b>93</b>	<b>1.5</b>	<b>82</b>	<b>1.4</b>	<b>76</b>	<b>1.2</b>
<b>Others</b>	<b>597</b>	<b>9.6</b>	<b>590</b>	<b>10.3</b>	<b>557</b>	<b>8.5</b>
<b>Total</b>	<b>6,223</b>	<b>100.0</b>	<b>5,720</b>	<b>100.0</b>	<b>6,552</b>	<b>100.0</b>

**SG&A, R&D and other expenses**

US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>SG&amp;A</b>	<b>324</b>	<b>26.8</b>	<b>374</b>	<b>35.3</b>	<b>615</b>	<b>39.0</b>
Administrative	296	24.5	336	31.7	483	30.6
Personnel	139	11.5	154	14.5	193	12.2
Services	66	5.5	72	6.8	118	7.5
Depreciation	41	3.4	55	5.2	52	3.3
Others	50	4.1	55	5.2	120	7.6
Selling	28	2.3	38	3.6	132	8.4
<b>R&amp;D</b>	<b>158</b>	<b>13.1</b>	<b>176</b>	<b>16.6</b>	<b>359</b>	<b>22.8</b>
<b>Pre-operating and stoppage expenses</b>	<b>462</b>	<b>38.3</b>	<b>375</b>	<b>35.4</b>	<b>324</b>	<b>20.5</b>
<b>Other operating expenses</b>	<b>263</b>	<b>21.8</b>	<b>134</b>	<b>12.7</b>	<b>280</b>	<b>17.7</b>
<b>Total(1)</b>	<b>1,207</b>	<b>100.0</b>	<b>1,059</b>	<b>100.0</b>	<b>1,578</b>	<b>100.0</b>

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(1) Does not include gain/loss on sale of assets

NET EARNINGS

Underlying earnings in 2Q13 were US\$ 3.287 billion, equal to US\$ 0.64 per share on a fully diluted basis, against US\$ 3.089 billion in 1Q13. Underlying earnings are net of the accounting effects of non-cash and/or non-recurring items which for 2Q13 included: (i) mark-to-market of shareholder debentures (-US\$ 84 million), (ii) foreign exchange and monetary losses (-US\$ 1.965 billion) and (iii) currency swap losses (-US\$ 814 million).

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Including these accounting items, which do not affect our actual financial performance, but are required by the generally accepted accounting rules for IFRS to be charged against our financial result, our net earnings were US\$ 424 million in 2Q13(8).

Net financial results were negative US\$ 3.327 billion in 2Q13, versus negative US\$ 345 million in the previous quarter. The strong appreciation of the USD against the BRL 10.5% comparing prices at the end of 2Q13 and 1Q13 was the main contributor to the negative foreign exchange and monetary swing of US\$ 1.965 billion.(9)

Financial revenues totaled US\$ 158 million, more than double last quarter's US\$ 71 million. Financial expenses decreased to US\$ 537 million from US\$ 604 million in the previous quarter, mainly due to the lower negative non-cash charge of US\$ 84 million related to the mark-to-market of shareholders' debentures, compared to a negative effect of US\$ 172 million in 1Q13.

The mark-to-market of derivatives presented a non-cash loss of US\$ 983 million, compared to a gain of US\$ 106 million in 1Q13, with a positive cash effect of US\$ 71 million.

Breakdown of the effect of derivatives:

- Currency and interest rate swaps resulted in a negative non-cash effect of US\$ 814 million but a positive effect on cash flow of US\$ 97 million.
- Nickel derivatives produced a positive non-cash effect of US\$ 1 million and a positive cash flow impact of US\$ 1 million.
- Derivative transactions related to bunker oil had a negative non-cash charge of US\$ 117 million and a negative cash flow effect of US\$ 24 million.
- Warrants of Silver Wheaton Corp. (SLW), that were part of the payment received under the gold sale agreement, are marked-to-market and had a negative non-cash impact of US\$ 47 million, with no effect on the cash flow.(10)

Equity income from affiliated companies totaled US\$ 53 million in 2Q13, down from US\$ 172 million in 1Q13. The decrease of US\$ 119 million was mostly due to reduced income from bulk materials (US\$ 84 million).

Individually, the greatest contributors to equity income were Samarco (US\$ 71 million) and MRS (US\$ 23 million). Our stake in CSA generated an equity loss of US\$ 46 million in 2Q13.

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(8) Had we adopted IFRS hedge accounting rules for the US dollar-denominated liabilities, we would have posted actual IFRS earnings in line with underlying earnings as presented in the box Effects of currency price volatility of Vale's financial performance .

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(9) For a detailed description of effects of currency price changes on our financial performance please see the previously mentioned box.

(10) For more information please see the press release Vale to sell a portion of the gold by-product stream from some of its copper and nickel mines announced on February 5, 2013, available in our website, [www.vale.com](http://www.vale.com) on the Investors section, under Press Releases.

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**EFFECTS OF CURRENCY PRICE VOLATILITY ON VALE S FINANCIAL PERFORMANCE**

As a consequence of various factors, including the financial asset price volatility influenced by expectations about a change in the US monetary policy stance, the BRL underwent a significant depreciation in 2Q13 against the USD. The price of the USD rose 10.5% to BRL 2.23 as of July 1st, 2013, from BRL 2.02 as of April 1st, 2013. If we take only quarterly average exchange rates, the depreciation of BRL was a milder 3.5%: BRL 2.07/ USD in 2Q13 against BRL 2.00/USD in 1Q13.

As previously explained, the main effects arise due to the fact that, although we report our financial performance in USD, the functional currency for accounting purposes of our parent company, Vale S. A., is the BRL.

Given this accounting rule, a depreciation of the BRL, as well as other currencies, against the USD produces a non-cash effect on earnings before taxes through its impact on net financial liabilities – USD denominated debt minus accounts receivable in USD. This exchange rate impact amounted to a loss of US\$ 1.961 billion in 2Q13, recorded in the financial statements as Foreign exchange rate and monetary variations , reducing our earnings before taxes.

A second non-cash impact comes through forward and swaps derivatives that are used to minimize the volatility of our cash flow in USD. In 2Q13, the fair value variations of the currency swaps from BRL and other currencies to USD caused one-off losses of US\$ 814 million, which reduced our earnings before taxes but without producing any cash flow or even adjusted EBITDA effect. At the settlement date of the currency swaps, all else constant and in USD equivalent, we will have a lower cash disbursement to pay debt principal and interest offset by a higher disbursement with the liquidation of the currency swap. Therefore, the effect of the currency depreciation through derivatives is cash neutral.

The last effect of the BRL depreciation affects earnings before taxes, operational cash flow, adjusted EBIT and adjusted EBITDA. It stems from the asymmetry in the currency composition of our revenues and costs of goods sold. While most of our revenues are USD-denominated, 54% of our costs of goods sold were denominated in BRL and 14% in Canadian dollars (CAD), with only a portion in USD (27%). In case the exchange rates levels of the end of 2Q13 persist, this effect will generate positive impacts on earnings before taxes, operational cash flow, adjusted EBIT and adjusted EBITDA in the following quarters.

Therefore, we see potential opportunities for savings, given that the USD appreciation had a small effective impact – net positive influence on operational cash flow, adjusted EBIT and adjusted EBITDA of US\$ 155 million. This is explained by the fact that the depreciation of the average BRL/USD exchange rate (3.5%), relevant for the measurement of the impact on flow variables was smaller than the one used for assessing the effect on stock variables (10.5%), as the bulk of the BRL devaluation took place during June, the last month of the quarter.

Additionally, it is worth considering that the depreciation of the BRL also generates a positive effect on our cash flow through the impact on capital expenditures, of which more than half is BRL-denominated.

In conclusion, the impact of a BRL depreciation on revenues/expenditures is a cash effect and if not reversed by an appreciation will continue to produce positive results on operational cash flow, adjusted EBIT, adjusted EBITDA, earnings before taxes and capital expenditures in the future,

while the derivatives effect is cash neutral and one-off, and the balance sheet effect is non-cash and one-off. Hence, the BRL depreciation generates positive effects on our cash flow, which is the real source of value creation, although with the opposite effect on accounting earnings.

**Evaluation of hedge accounting under IFRS**

In order to minimize the volatility of our accounting earnings and to allow our financial statements to better reflect the economic performance of our company, we are evaluating using for future periods the implementation of Hedge Accounting Programs in accordance with IFRS rules (IAS 39), which will allow our revenues to serve as a hedged item for hedge accounting purposes. The evaluation encompasses segmentation of programs, efficiency tests, and proper documentation.

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In this respect, and based on our preliminary studies, the adoption of this program in relation to our net financial liabilities could reduce our foreign exchange loss by approximately US\$ 2.006 billion in 2Q13 (and reduce foreign exchange gain by US\$ 272 million in 1Q13). Additionally, if similar programs had been adopted in relation to our currency swaps from BRL and other currencies to USD used for cash flow hedging, they could have eliminated a loss of approximately US\$ 814 million recorded in Derivatives in 2Q13 (and eliminated a gain of US\$ 110 million in 1Q13).

If the programs had been in place during 2013, our pro-forma results would be as detailed below:

US\$ million	Reported	2Q13			1Q13			Pro-forma
		Hedge Accounting	Currency swaps	Pro-forma	Hedge Accounting	Currency swaps	Pro-forma	
Net operating revenue	11,032			11,032	10,935			10,935
Cost of goods sold	(6,223)			(6,223)	(5,720)			(5,720)
Operating expenses (net)	(1,207)			(1,207)	(1,059)			(1,059)
<b>Operating Income</b>	<b>3,602</b>			<b>3,602</b>	<b>4,156</b>			<b>4,156</b>
Financial income (expenses), net	(379)			(379)	(533)			(533)
Foreign exchange rate and Monetary variations, net	(1,965)	2,006		41	82	(272)		(190)
Derivatives	(983)		814	(169)	106		(110)	(4)
Equity results	53			53	172			172
<b>Income before taxes</b>	<b>328</b>			<b>3,148</b>	<b>3,983</b>			<b>3,601</b>
Income taxes	62			62	(931)			(931)
Loss attributable to non- controlling interest	34			34	57			57
<b>Net income attributable to the Vale s shareholders</b>	<b>424</b>			<b>3,244</b>	<b>3,109</b>			<b>2,727</b>

**OPERATING INCOME AND CASH GENERATION**

Operating income, as measured by adjusted EBIT, was US\$ 3.602 billion, decreasing 13.3% against 1Q13, while the adjusted EBIT margin was 32.7%, down from 38.0% in the previous quarter.

Cash generation, as measured by adjusted EBITDA, was US\$ 4.957 billion, down from US\$ 5.202 billion in 1Q13. The negative impact of lower prices (US\$ 1.036 billion) was the main factor underlying the decrease in cash generation, as it was only partly mitigated by the positive effects of higher volumes (US\$ 506 million) and dividends received from non-consolidated affiliated companies (US\$ 273 million), lower COGS (US\$ 58 million) and SG&A (US\$ 36 million) and exchange rate variations (US\$ 114 million).



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Before R&D expenditures, the share of bulk materials in cash generation increased to 89.4%, up from 84.3% in the previous quarter, while base metals decreased to 8.7% from 14.2%. The share of logistics increased to 1.1% from -0.2%, while fertilizers decreased to 0.7% from 1.7%.

Table of Contents**Table 5 - ADJUSTED EBITDA**

US\$ million	2Q13	1Q13	2Q12
Net operating revenues	11,032	10,935	12,469
COGS	(6,223)	(5,720)	(6,552)
SG&A	(324)	(374)	(615)
Research and development	(158)	(176)	(359)
Other operational expenses	(725)	(509)	(604)
<b>Adjusted EBIT(1)</b>	<b>3,602</b>	<b>4,156</b>	<b>4,339</b>
Depreciation, amortization & exhaustion	1,082	1,046	1,046
Dividends received	273		112
<b>Adjusted EBITDA(1)</b>	<b>4,957</b>	<b>5,202</b>	<b>5,497</b>

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(1) Excluding non-recurring effects

**Table 6 - ADJUSTED EBITDA BY BUSINESS AREA(1)**

US\$ million	2Q13	1Q13	2Q12
<b>Bulk materials</b>	<b>4,630</b>	<b>4,485</b>	<b>5,490</b>
Ferrous minerals	4,699	4,701	5,597
Coal	(69)	(216)	(107)
<b>Base metals</b>	<b>451</b>	<b>757</b>	<b>210</b>
<b>Fertilizer nutrients</b>	<b>38</b>	<b>90</b>	<b>183</b>
<b>Logistics</b>	<b>59</b>	<b>(10)</b>	<b>14</b>
<b>Others</b>	<b>(221)</b>	<b>(120)</b>	<b>(400)</b>
<b>Total</b>	<b>4,957</b>	<b>5,202</b>	<b>5,497</b>

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(1) Excluding non-recurring effects

## CAPITAL AND R&amp;D EXPENDITURES

Vale is strongly committed to discipline in capital allocation and project execution. In addition to approve and grant funds to new projects only with mature design and engineering, the undergoing transformation includes higher focus on construction and contractor management in order to minimize deviations to plans.

Investments excluding acquisitions in 1H13 reached US\$ 7.584 billion, a decrease of US\$ 380 million compared to the US\$ 7.964 billion invested in the same period of 2012. R&D expenditures showed a significant reduction, 38.9%, compared with the first half of 2012, as a result of the decision to focus on a smaller and more selected pipeline of projects, which will translate into a higher rate of return on the asset portfolio and which is consistent with the greater focus on discipline in capital allocation.

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Vale invested(11) US\$ 3.597 billion in 2Q13. US\$ 2.340 billion was spent on project execution, US\$ 155 million on R&D, and US\$ 1.102 billion on the maintenance of existing operations. The allocation of capex by business areas in 2Q13 was: US\$ 2.088 billion for bulk materials, US\$ 830 million for base metals, US\$ 337 million for fertilizers, US\$ 128 million for logistics services for general cargo, US\$ 89 million for steel projects, US\$ 55 million for power generation and US\$ 69 million for corporate activities and other business segments.

Capex dedicated to projects was concentrated on our main programs, especially the expansion of our Carajás integrated iron ore operations including the Carajás Serra Sul S11D/CLN S11D, Additional 40 Mtpy, CLN 150 and Serra Leste projects with US\$ 701 million, Moatize II/Nacala, US\$ 268 million, Long Harbour integrated nickel smelting and refining plant, US\$ 266 million and Itabirito projects, US\$ 247 million.

It is worth considering that the depreciation of the BRL also generates significant savings in capital expenditures, once more than half of them are BRL-denominated. For example, BRL expenditures represent around 90% of the

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(11) Pursuant to IFRS, R&D expenditures here reported as part of the Capex figures on a cash basis are expensed and as a consequence impact earnings and adjusted EBITDA. This must be observed by analysts when making comparisons, such as when comparing adjusted EBITDA and Capex figures, to avoid double counting which can distort the results of analyses.

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budget for the S11D program, which is our largest project. Such savings are not yet reflected in the expected capex for the approved projects under construction.

An important step for our future growth was achieved in July, with the granting of the LI for the S11D project. S11D is the highest grade and lowest cash-cost world-class project in the iron ore industry, with a nominal capacity of 90 million metric tons per year of iron ore. It is seated in a deposit with proven and probable reserves of 4.240 billion metric tons with an average ferrous content of 66.7% and low impurities while its estimated operational cash cost (mine, plant, railway and port after royalties) is US\$ 15.00 per metric ton (at a BRL 2.00 per USD exchange rate). S11D is expected to start up in 2H16 and to deliver full capacity production in the 2018 calendar year.

With the issuance of the LI, Vale's Board of Directors approved the CLN S11D project that provides for the expansion of the logistics infrastructure existing in the Northern System to support the 90 Mtpy iron ore capacity increase to be delivered by S11D. The total capex budget for S11D is US\$ 19.671 billion, estimated at a 2.00 BRL/USD exchange rate, encompassing the development of mine and processing plant (US\$ 8.089 billion) and logistics (US\$ 11.582 billion).

CLN S11D will increase our logistics capacity to 230 Mtpy and involves the construction of a rail spur, new railway sections with dual tracks, rail terminals and onshore and offshore port infrastructure. The capex for CLN S11D comprises investments in logistics of US\$ 10.363 billion, US\$ 1.036 billion for rolling stock and US\$ 183 million transferred from CLN 150 to CLN S11D.

As an example of the capital discipline, the detailed engineering for the whole program of S11D (S11D and CLN S11D) is almost fully completed and the equipment and services packages are 23% contracted and 45% to be hired with firm proposals. As a result of such maturity, the probability of capex overruns was minimized and savings of contracted services over budget which have been already achieved have a better a chance of being secured until the completion of the project.

Three important projects in the iron ore business are reaching conclusion in 2H13: (a) Additional 40 Mtpy, that will increase dry iron ore processing capacity at Carajás by 40 Mtpy; (b) CLN 150, which provides rail and port capacity expansion for the Northern System; (c) Conceição Itabiritos, that adds 12 Mtpy of capacity, and contributes to extend mine life and improve quality. In the nickel business Long Harbour and Totten are coming on stream as well.

In 2Q13, sustaining capital expenditures of US\$ 1.102 billion were concentrated in iron ore and base metals. The maintenance investments in iron ore included: (i) replacement and acquisition of new equipment (US\$ 196 million), (ii) expansion of tailing dams (US\$ 58 million), (iii) infrastructure enhancement (US\$ 32 million) and (iv) initiatives to improve the current standards of health and safety and environmental protection (US\$ 17 million). Maintenance of railways and ports serving our mining operations in Brazil totaled US\$ 146 million.

Sustaining capex in the base metals operations was mainly dedicated to rebuilding the Onça Puma furnace #1 (US\$ 56 million), the AER (atmospheric emission reduction) project (US\$ 39 million), the development of ore bodies and increase in recovery rates and grades in the nickel mines (US\$ 35 million), and projects related to the improvement of production processes in the copper mines (US\$ 13 million).

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In 2Q13, R&D investments comprised expenditures of US\$ 50 million in mineral exploration, US\$ 101 million in conceptual, pre-feasibility and feasibility studies for projects and US\$ 4 million to develop new processes, technological innovations and adaptation of technologies. R&D investments dropped 60.9% when compared to 2Q12 and 42.2% against 1Q13, as a result of our continuous effort to slash R&D expenditures.

Investments in corporate social responsibility reached US\$ 262 million in the quarter, US\$ 214 million of which was destined for environmental protection and conservation and US\$ 48 million for social projects.

In 2Q13, our Board of Directors approved a budget increase for Vargem Grande Itabiritos to US\$ 1.910 billion from US\$ 1.645 billion. The Vargem Grande Itabiritos project has been facing cost pressures since late 2012 due to the poor performance of contractors, engulfed in financial stress that ultimately led to their replacement.

Market tightness in Brazil during the construction boom of 2010, forced the hiring of second-tier service suppliers, since most first-tier construction companies were not available. This has changed and the market environment for engineering services now allows us to hire more efficient and financially sound contractors reducing the risks of overruns.

Table of Contents**Table 7 - CAPITAL AND R&D EXPENDITURES BY CATEGORY**

US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>Organic growth</b>	<b>2,494</b>	<b>69.3</b>	<b>2,993</b>	<b>75.1</b>	<b>3,260</b>	<b>76.0</b>
Projects	2,340	65.0	2,725	68.4	2,864	66.8
R&D	155	4.3	268	6.7	396	9.2
<b>Stay-in-business</b>	<b>1,102</b>	<b>30.7</b>	<b>994</b>	<b>24.9</b>	<b>1,027</b>	<b>24.0</b>
<b>Total</b>	<b>3,597</b>	<b>100.0</b>	<b>3,987</b>	<b>100.0</b>	<b>4,287</b>	<b>100.0</b>

**Table 8 - CAPITAL AND R&D EXPENDITURES BY BUSINESS AREA**

US\$ million	2Q13	%	1Q13	%	2Q12	%
<b>Bulk materials</b>	<b>2,088</b>	<b>58.0</b>	<b>2,082</b>	<b>52.2</b>	<b>2,390</b>	<b>55.8</b>
Ferrous minerals	1,779	49.4	1,869	46.9	2,041	47.6
Coal	309	8.6	213	5.3	349	8.1
<b>Base metals</b>	<b>830</b>	<b>23.1</b>	<b>982</b>	<b>24.6</b>	<b>1,038</b>	<b>24.2</b>
<b>Fertilizer nutrients</b>	<b>337</b>	<b>9.4</b>	<b>382</b>	<b>9.6</b>	<b>516</b>	<b>12.0</b>
<b>Logistics services</b>	<b>128</b>	<b>3.6</b>	<b>216</b>	<b>5.4</b>	<b>130</b>	<b>3.0</b>
<b>Power generation</b>	<b>55</b>	<b>1.5</b>	<b>107</b>	<b>2.7</b>	<b>71</b>	<b>1.6</b>
<b>Steel</b>	<b>89</b>	<b>2.5</b>	<b>150</b>	<b>3.8</b>	<b>37</b>	<b>0.9</b>
<b>Others</b>	<b>69</b>	<b>1.9</b>	<b>68</b>	<b>1.7</b>	<b>105</b>	<b>2.4</b>
<b>Total</b>	<b>3,597</b>	<b>100.0</b>	<b>3,987</b>	<b>100.0</b>	<b>4,287</b>	<b>100.0</b>

**CAPITAL AND R&D EXPENDITURES BY BUSINESS AREA - 2Q13**

	Projects		R&D		Stay-in-business		Total	
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%
<b>Bulk materials</b>	<b>1,462</b>	<b>62.5</b>	<b>68</b>	<b>43.8</b>	<b>558</b>	<b>50.6</b>	<b>2,088</b>	<b>58.0</b>
Ferrous minerals	1,195	51.1	59	37.9	525	47.6	1,779	49.4
Coal	267	11.4	9	5.9	33	3.0	309	8.6
<b>Base metals</b>	<b>451</b>	<b>19.3</b>	<b>48</b>	<b>31.2</b>	<b>331</b>	<b>30.0</b>	<b>830</b>	<b>23.1</b>
<b>Fertilizer nutrients</b>	<b>238</b>	<b>10.2</b>	<b>16</b>	<b>10.6</b>	<b>83</b>	<b>7.5</b>	<b>337</b>	<b>9.4</b>
<b>Logistics services</b>	<b>54</b>	<b>2.3</b>	<b>3</b>	<b>1.8</b>	<b>71</b>	<b>6.4</b>	<b>128</b>	<b>3.6</b>
<b>Power generation</b>	<b>45</b>	<b>1.9</b>	<b>8</b>	<b>5.5</b>	<b>1</b>	<b>0.1</b>	<b>55</b>	<b>1.5</b>
<b>Steel</b>	<b>89</b>	<b>3.8</b>		<b>0.3</b>			<b>89</b>	<b>2.5</b>
<b>Others</b>			<b>11</b>	<b>6.8</b>	<b>59</b>	<b>5.3</b>	<b>69</b>	<b>1.9</b>
<b>Total</b>	<b>2,340</b>	<b>100.0</b>	<b>155</b>	<b>100.0</b>	<b>1,102</b>	<b>100.0</b>	<b>3,597</b>	<b>100.0</b>

- Main approved projects under construction**

The pipeline of main projects approved by the Board of Directors, and under construction, is detailed in this section. Estimated start-up dates may be revised due to changes caused by a number of factors, including delays in environmental permits.



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Project	Estimated start-up	Executed capex US\$ million		Expected capex US\$ million		Status(1)
		2013	Total	2013	Total	
<b>IRON ORE MINING AND LOGISTICS</b>						
<b>Carajás Additional 40 Mtpy</b>	2H13	351	2,824	548	3,475	Plant commissioning with ore is in progress. Issuance of operation license expected for 2H13. 95% of physical progress.
Construction of an iron ore dry processing plant, located in Carajás, Pará, Brazil.						
Estimated nominal capacity of 40 Mtpy.						
<b>CLN 150 Mtpy</b>	1H13 to 2H13	365	3,625	498	3,931	The railway part of the project is concluded, encompassing 63 km of rail duplication, and offshore and onshore port facilities. Operating license for the port, onshore and offshore, issued.
Increase Northern system railway and port capacity, including the construction of a fourth pier at the Ponta da Madeira maritime terminal, located in Maranhão, Brazil with 60 Mtpy of capacity.						
98% of physical progress.						
Increase EFC's estimated nominal logistics capacity to approximately 130 Mtpy.						
<b>Carajás Serra Sul \$11D</b>	2H16	368	2,182	658	8,089	High-voltage substation and transmission lines are in final stages of construction. Initiated off-site electromechanical assembly of modules.
Development of a mine and processing plant, located in the Southern range of Carajás, Pará, Brazil.						
Installation license issued.						
Estimated nominal capacity of 90 Mtpy.						
45% of physical progress.						
<b>CLN \$11D</b>	1H15 to 2H18	220	680	633	11,582	Civil engineering concluded for rail spur and port. Earthworks initiated for railway duplication.



Increase logistic capacity of Northern system to support \$11 D, including the duplication of approximately 570 km of railway, construction of a rail spur with 101 km, acquisition of wagons and locomotives and onshore and offshore expansions at Ponta da Madeira maritime terminal.

Installation license issued.

8% of physical progress.

Increase EFC s estimated nominal logistics capacity to approximately 230 Mtpy.

**Conceição Itabiritos**

2H13

146

927

208

1,174

Electromechanical assembly in final stage.

Construction of a concentration plant, in the Southeastern System, Minas Gerais, Brazil.

Commissioning of the plant.

Estimated additional nominal capacity of 12 Mtpy. 100% pellet feed, with 67.7% Fe content and 0.8% silica.

Operating license for the plant expected for 2H13.

97% of physical progress.

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Project	Estimated start-up	Executed capex US\$ million		Expected capex US\$ million		Status(1)
		2013	Total	2013	Total	
<b>Vargem Grande Itabiritos</b>	2H14	152	1,068	518	1,910	Installation of steel structures for the screening building in progress.
Construction of new iron ore processing plant, in the Southern System, Minas Gerais, Brazil.						Operating license expected for 1H14.
Estimated additional nominal capacity of 10 Mtpy. 100% pellet feed, with 67.8% Fe content and 1.2% silica.						79% of physical progress.
<b>Conceição Itabiritos II</b>	2H14	89	513	197	1,189	Ongoing civil engineering and steel structure assembly. Assembly of the crushing area substation concluded.
Adaptation of the plant to process low-grade itabirites from Conceição, located in the Southeastern System, Minas Gerais, Brazil.						Installation licenses issued.
Estimated nominal capacity of 19 Mtpy, without additional capacity. 31.6% sinter feed, with 66.5% Fe content and 3.8% of silica, and 68.4% pellet feed, with 68.8% Fe content and 0.9% silica.						67% of physical progress.
<b>Serra Leste</b>	2H14	73	365	166	478	Ongoing construction of the transmission lines and rail loop. Assembly of the main substation and the iron ore treatment facility are in progress. Installation licenses issued.
Construction of new processing plant, located in Carajás, Pará, Brazil.						67% of physical progress.
Estimated nominal capacity of 6 Mtpy.						
<b>Cauê Itabiritos</b>	2H15	81	200	206	1,504	Ongoing civil works. Main electromechanical equipment acquired.

<p>Adaptation of the plant to process low-grade itabirites from Minas do Meio, located in the Southeastern System, Minas Gerais, Brazil.</p>		<p>Preliminary and installation licenses for new primary crusher expected for 1H14.</p>
<p>Estimated nominal capacity of 24 Mtpy, with net additional capacity of 4 Mtpy in 2017. 29% sinter feed, with 65.3% Fe content and 4.4% of silica, and 71% pellet feed, with 67.8% Fe content and 2.8% silica.</p>		<p>28% of physical progress.</p>
<p><b>Teluk Rubiah</b></p> <p>Construction of a maritime terminal for the 400,000 dwt vessels and a stockyard. Located in Teluk Rubiah, Malaysia.</p>	<p>2H14      236      750      443      1,371</p>	<p>Ongoing assembly of the yard machines on site. Earthworks and civil works of the unloading terminal are in final stage of completion.</p>
<p>Stockyard capable of handling up to 30 Mtpy of iron ore products.</p>		<p>Import berth to be concluded until December 2013. Conclusion of the export berth postponed to 2H14 to modify the berth to accommodate larger vessels to reduce freight costs.</p> <p>79% of physical progress.</p>

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Project	Estimated start-up	Executed capex US\$ million		Expected capex US\$ million		Status(1)
		2013	Total	2013	Total	
<b>PELLET PLANTS</b>						
<b>Tubarão VIII</b>	2H13	87	976	158	1,088	Commissioning of the equipment in progress.
Eighth pellet plant at our existing site at the Tubarão Port, Espírito Santo, Brazil.						Issuance of operating license expected for 2H13.
Estimated nominal capacity of 7.5 Mtpy.						95% of physical progress.
<b>Samarco IV(2)</b>	1H14				1,693	Electromechanical assembly of equipment in progress. Slurry pipeline and electromechanical assembly of the substation concluded. Started commissioning activities.
Construction of Samarco's fourth pellet plant, and expansion of mine, pipeline and maritime terminal infrastructure. Vale has a 50% stake in Samarco.						90% of physical progress of the pellet plant.
Estimated nominal capacity of 8.3 Mtpy, increasing Samarco's capacity to 30.5 Mtpy.						Budget fully sourced by Samarco.
<b>COAL MINING AND LOGISTICS</b>						
<b>Moatize II</b>	2H15	144	600	344	2,068	Ongoing earthworks and civil engineering work in the stockyards. Handling and processing equipment were delivered.
New pit and duplication of the Moatize CHPP, as well as all related infrastructure, located in Tete, Mozambique.						39% of physical progress.
Nominal capacity of 11 Mtpy (mostly comprised of coking coal).						
<b>Nacala corridor</b>	2H14	292	701	1,079	4,444	Ongoing earthworks, drainage and civil works for the railway section in Malawi.
Railway and port infrastructure connecting Moatize site to the Nacala-à-Velha maritime terminal, located in Nacala, Mozambique.						Pile driving for the jetty and earthworks for the stockyard in progress.

Estimated nominal capacity of 18 Mtpy.

22% and 23% of physical progress in railway and port respectively.

**COPPER MINING**

<b>Salobo II</b>	1H14	114	874	401	1,707	Civil works and electromechanical assembly of equipment in the crushing, milling and flotation sections are in progress. Main electromechanical equipment acquired.
Salobo expansion, raising height of tailing dam and increase in mine capacity, located in Marabá, Pará, Brazil.						
Additional estimated nominal capacity of 100,000 tpy of copper in concentrate.						Issuance of plant operating license expected for 1H14.
						80% of physical progress.

**NICKEL MINING AND REFINING**

<b>Long Harbour</b>	2H13	754	3,910	1,094	4,250	Final stage of electromechanical assembly and commissioning of the plant.
Hydrometallurgical facility. Located In Long Harbour, Newfoundland and Labrador,						94% of physical progress.

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Project	Estimated start-up	Executed capex US\$ million		Expected capex US\$ million		Status(1)
		2013	Total	2013	Total	
Canada.						
Estimated nominal capacity for refining 50,000 tpy of finished nickel, and associated copper and cobalt, without additional capacity.						
<b>Totten</b>	2H13	86	626	171	759	The first ore production area is ready for extraction. Underground tunnel almost finalized.
Nickel mine (re-opening) in Sudbury, Ontario, Canada. Estimated nominal capacity of 8,200 tpy.						
90% of physical progress.						
<b>ENERGY</b>						
<b>Biodiesel</b>	2H15	66	493	75	633	Second palm oil plant under development. Construction of the biodiesel plant is in progress.
Project to produce biodiesel from palm oil. Plantation of 80,000 ha of palm trees. Located in Pará, Brazil.						
Installation license for the biodiesel plant expected for 1H14.						
Estimated nominal capacity of 360,000 tpy of biodiesel.						
<b>STEELMAKING</b>						
<b>CSP2</b>	2H15	235	811	439	2,648	Ongoing pile driving for the plant foundations.
Development of a steel slab plant in partnership with Dongkuk and Posco, located in Ceará, Brazil. Vale holds 50% of the joint venture. Estimated nominal capacity of 3.0 Mtpy.						
29% of physical progress.						

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(1) as of June 2013.

(2) Realized and expected Capex are relative to Vale's stake in the projects.

DEBT INDICATORS

Total debt was US\$ 29.863 billion as of June 30, 2013, a decrease of US\$ 328 million from US\$ 30.191 billion as of March 31, 2013.

As of June 30, 2013, our cash position<sup>(12)</sup> was US\$ 6.255 billion and net debt was US\$ 23.608 billion. The cash position was strengthened by improvements in working capital which already delivered significant results in this quarter, especially measures to increase efficiency through the revision of processes and counterparties to shorten the number of days of sales outstanding (DSO). The number of days of receivables was reduced to 40.1 in 2Q13 against 50.6 in 1Q13. This has contributed to unlock US\$ 1.3 billion when compared to March 2013. Inventories also fell by US\$ 378 million in 2Q13 versus 1Q13.

On July, 2013, we entered into a contract for a five-year revolving credit line facility of US\$ 2 billion arranged by a bank syndicate comprised of 16 global commercial banks. With this facility the total amount of revolving credit lines is US\$ 5 billion, as we already have an existing US\$ 3 billion line, which will mature in 2016. The revolving credit lines work as a short term liquidity buffer that enhances our liquidity and allows more efficient cash management, consistent with Vale's strategic focus on cost of capital reduction.

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(12) Cash holdings include cash and cash equivalents, as well as short-term investments of US\$ 368 million as of June 30