Vale S.A. Form 6-K December 20, 2013 Table of Contents

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

December 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 x Form 40-F o
(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 o No x
(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7))
(Check One) Yes o No x
(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 o No x
(If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b). 82)

Table of Contents			
Table of Contents:			
Press Release Signature Page			
	2		

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Press Release

Vale to promote auction in stock exchange to sell shares in Log-in

Rio de Janeiro, December 20, 2013 - Vale S.A. (Vale) announces that it will promote an auction to sell its common shares of Log-in Logística Intermodal S.A. (Log-in), a company listed in the BM&FBOVESPA (ticker symbol: LOGN3). The auction will contemplate the sale, pursuant to Instruction of the *Comissão de Valores Mobiliários* (CVM) n. 168, of December 23, 1991, as amended (CVM Instruction 168), of all common shares of Log-in currently held by Vale (28,737,356 shares).

The auction will be held at BM&FBOVESPA on December 26, 2013, with an initial price per share of R\$ 8.00, and expected settlement for three days after its completion. If the auction is successful, Vale will divest its whole interest in Log-in.

The transaction is consistent with Vale s strategy to reduce its exposure to non-core assets, and results from the focus on the discipline in capital allocation and maximizing value for shareholders.

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This press release may include statements that present Vale s expectations about future events or results. All statements, when based upon expectations about the future and not on historical facts, involve various risks and uncertainties. Vale cannot guarantee that such statements will prove correct. These risks and uncertainties include factors related to the following: (a) the countries where we operate, especially Brazil and Canada; (b) the global economy; (c) the capital markets; (d) the mining and metals prices and their dependence on global industrial production, which is cyclical by nature; and (e) global competition in the markets in which Vale operates. To obtain further information on factors that may lead to results different from those forecast by Vale, please consult the reports Vale files with the U.S. Securities and Exchange Commission (SEC), the Brazilian Comissão de Valores Mobiliários (CVM), the French Autorité des Marchés Financiers (AMF), and The Stock Exchange of Hong Kong Limited, and in particular the factors discussed under Forward-Looking Statements and Risk Factors in Vale s annual report on Form 20-F.

Table of Contents

Date: December 20, 2013

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Vale S.A. (Registrant)

By:

/s/ Roberto Castello Branco Roberto Castello Branco Director of Investor Relations

4