Vale S.A. Form 6-K January 15, 2010

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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 January 2010 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 b 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 þ

(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 þ

(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 b

(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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Vale in negotiations to acquire fertilizer assets

Rio de Janeiro, January 15, 2010 Vale S.A. (Vale) announces that it is engaged in negotiations to acquire, through one of its subsidiaries, the fertilizer assets of the Bunge Group in Brazil, including its stake of 42.3% in the equity capital of Fosfértil S.A. (Fosfértil), in a transaction that shall not exceed US\$ 3.8 billion.

The asset portfolio is composed by phosphate rock mines and processing plants of intermediate fertilizers based on phosphorus (phosphates) and nitrogen (ammonium nitrate and urea).

The negotiations may lead or not to the acquisition of the above mentioned assets. The successful conclusion of these negotiations is subject to the usual risks implied in this type of transaction, to the satisfaction of precedent conditions, to the corporate approval of the companies involved, and to the approval of governmental regulatory agencies. The outcome of these negotiations will be publicly disclosed by Vale immediately after their conclusion.

For further information, please contact:

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This press release may include declarations about Vale s expectations regarding future events or results. All declarations based upon future expectations, rather than historical facts, are subject to various risks and uncertainties. Vale cannot guarantee that such declarations will prove to be correct. These risks and uncertainties include factors related to the following: (a) the countries where Vale operates, mainly Brazil and Canada; (b) the global economy; (c) capital markets; (d) the mining and metals businesses and their dependence upon global industrial production, which is cyclical by nature; and (e) the high degree of global competition in the markets in which Vale operates. To obtain further information on factors that may give rise to results different from those forecast by Vale, please consult the reports filed with the Brazilian Comissão de Valores Mobiliários (CVM), the French Autorité des Marchés Financiers (AMF), and with the U.S. Securities and Exchange Commission (SEC), including Vale s most recent Annual Report on Form 20-F and its reports on Form 6-K.

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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.

Date: January 15, 2010

Vale S.A. (Registrant)

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