
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
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Date of Report: January 19, 2012

CEMEX, S.A.B. de C.V.
(Exact name of Registrant as specified in its charter)

CEMEX PUBLICLY TRADED STOCK CORPORATION WITH VARIABLE CAPITAL
(Translation of Registrant's name into English)

United Mexican States
(Jurisdiction of incorporation or organization)

Av. Ricardo Margáin Zozaya #325, Colonia Valle del Campestre
Garza García, Nuevo León, México 66265
(Address of principal executive offices)

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

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

N/A

Contents

On January 19, 2012, CEMEX, S.A.B. de C.V. ("CEMEX") informed the Mexican Stock Exchange (*Bolsa Mexicana de Valores*) that both the London Stock Exchange plc and the Irish Stock Exchange Limited published an announcement made by Readymix plc, an indirect subsidiary of CEMEX located in the Republic of Ireland, in which the directors of Readymix plc announced that they have been approached by Readymix Investments, another indirect subsidiary of CEMEX, regarding the preliminary terms of a possible offer that Readymix Investments may be prepared to make for all the shares in Readymix plc that are not already indirectly owned by CEMEX. The directors of Readymix plc indicated that Readymix Investments was prepared to offer €0.22 per share in cash and that discussions with Readymix Investments had commenced.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, CEMEX, S.A.B. de C.V. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CEMEX, S.A.B. de C.V.
(Registrant)

Date: January 19, 2012

By: /s/ Rafael Garza
Name: Rafael Garza
Title: Chief Comptroller