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UNITED STATES  
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  
UNDER THE SECURITIES EXCHANGE ACT OF 1934

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Date of Report: April 8, 2010

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

CEMEX Publicly Traded Stock Corporation  
(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

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## Contents

This report on Form 6-K shall be deemed to be incorporated by reference into the Confidential Offering Memorandum, dated April 5, 2010, relating to the previously announced four separate private offers (the "Exchange Offers") to exchange currently outstanding perpetual debentures for new senior secured notes to be denominated in Dollars and Euros (the "New Senior Secured Notes").

The Exchange Offers are being made within the United States only to "qualified institutional buyers" pursuant to Rule 144A under the Securities Act of 1933, as amended (the "Securities Act"), and to persons that are not "U.S. persons," as such term is defined in Rule 902(k) of Regulation S under the Securities Act and who would be participating in any transaction in accordance with Regulation S. The New Senior Secured Notes being offered in the Exchange Offers have not been registered under the Securities Act and may not be offered or sold in the United States absent an applicable exemption from registration requirements.

This report does not constitute an offer to sell or the solicitation of an offer to buy any security and shall not constitute an offer, solicitation or sale of any securities in any jurisdiction in which such offer or sale would be unlawful.

<u>EXHIBIT NO.</u>	<u>EXHIBIT DESCRIPTION</u>
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- |    |   |
|----|---|
| 1. | Press release, dated April 8, 2010, announcing participation in a cement plant project in Peru. |
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**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: April 8, 2010

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

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## EXHIBIT INDEX

EXHIBIT NO.

EXHIBIT DESCRIPTION

1. Press release, dated April 8, 2010, announcing participation in a cement plant project in Peru.

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## **CEMEX ANNOUNCES PARTICIPATION IN A CEMENT PLANT PROJECT IN PERU**

**Monterrey, Mexico. April 8, 2010** – CEMEX, S.A.B. de C.V. (BMV: CEMEX.CPO) confirmed today that the investment company Blue Rock Cement Holdings, S.A. (Blue Rock), will invest in a cement project in Peru. CEMEX, which agreed to participate as a minority investor in Blue Rock, will assist in the development, building, and operation of the plant.

Fernando Gonzalez, CEMEX Executive Vice President of Planning and Finance said, "Our participation in this project will allow us to enhance our footprint in the attractive Peruvian market, and will complement our business portfolio in the region."

Blue Rock's project consists of the construction of a new cement plant with an initial production capacity of 1 million metric tons per year. The plant is expected to be completed in early 2013 with a total investment of around US\$230 million. The construction industry in Peru has seen sustained annual growth of over 10% in the past years, which makes Peru an attractive market.

CEMEX agreed to contribute an investment of up to US\$100 million into the share capital of Blue Rock, for a minority stake. This investment falls under permitted terms under CEMEX's debt financing agreements.

CEMEX is a global building materials company that provides high-quality products and reliable service to customers and communities in more than 50 countries throughout the world. CEMEX has a rich history of improving the well-being of those it serves through its efforts to pursue innovative industry solutions and efficiency advancements and to promote a sustainable future. For more information, visit [www.cemex.com](http://www.cemex.com).

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*This press release contains forward-looking statements and information that are necessarily subject to risks, uncertainties, and assumptions. Many factors could cause the actual results, performance, or achievements of CEMEX to be materially different from those expressed or implied in this release, including, among others, changes in general economic, political, governmental and business conditions globally and in the countries in which CEMEX does business, changes in interest rates, changes in inflation rates, changes in exchange rates, the level of construction generally, changes in cement demand and prices, changes in raw material and energy prices, changes in business strategy, and various other factors. CEMEX assumes no obligation to update or correct the information contained in this press release.*