
**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**

For the month of April, 2017

Commission File Number: 001-14946

CEMEX, S.A.B. de C.V.

(Translation of Registrant's name into English)

Avenida Ricardo Margáin Zozaya #325, Colonia Valle del Campestre
San Pedro 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 if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

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):

Contents

1. Notice to CEMEX, S.A.B. de C.V.'s (NYSE: CX) ("CEMEX") shareholders, dated March 30, 2017, filed electronically before the Mexican Stock Exchange on April 4, 2017, informing about the increase in the capital stock approved by CEMEX's shareholders at CEMEX's Ordinary General Shareholders Meeting held on March 30, 2017.

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 4, 2017

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

EXHIBIT INDEX

EXHIBIT
NO.

DESCRIPTION

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NOTICE TO SHAREHOLDERS

At CEMEX, S.A.B. DE C.V.'s Ordinary General Shareholders Meeting held on March 30, 2017, it was approved to increase the Capital Stock in its variable part in the amount of Ps4'684,960.14, through the issuance of up to 1,687,294,989 ordinary common registered shares with no par value, of which up to 1,124,863,326 will be Series A and up to 562,431,663 will be Series B, conferring the same rights and obligations as those currently outstanding, and which will be deemed fully paid with charge to Retained Earnings.

The shares representing the capital stock increases will be represented by ordinary participation certificates (*certificados de participación ordinarios*), issuing up to 562,431,663 ordinary participation certificates (*certificados de participación ordinarios*), or CEMEX.CPOs, which will refer to 2 (two) Series A ordinary shares and 1 (one) Series B ordinary share, that will be issued by Banco Nacional de México, S.A. as the Trustee in Trust No. 111033-9. For these effects, the shares representing the increase in capital stock will be issued on behalf of the aforementioned trust company.

Shareholders will exercise their right against coupon 148 of the currently outstanding shares, as per the following terms:

- 1 (one) new CEMEX.CPO will be awarded per each 25 (twenty-five) CEMEX.CPOs held, or, if applicable, 3 (three) new shares, 2 (two) Series A and 1 (one) Series B, to be issued per each 75 (seventy-five) shares currently outstanding that represent the Paid Capital Stock of CEMEX, S.A.B. de C.V.;
- shares will only be delivered to shareholders (1) whose holding is not represented by CEMEX.CPOs and that (2) have not entered into a contract with a securities or financial intermediary; and
- There will be no cash awarded in any case, not even for fractions from which no shares are issued.

For shareholders who hold their shares through a Brokerage Firm or Financial Intermediary, the Mexican Stock Exchange will start to trade ex-coupon 148 on Wednesday May 3, 2017.

On Monday May 8, 2017 the following will be made available to Shareholders: (a) at CEMEX's headquarters located at Avenida Ricardo Margáin Zozaya No. 325, Colonia Valle del Campestre, in San Pedro Garza García, Nuevo Leon, Mexico, the share certificates that represent the capital increase; and (b) the certificates that represent the Ordinary Participation Certificates (CEMEX.CPO), through Brokerage Firm or Financial Intermediary, S.D. Indeval.

Monterrey, N.L., as of March 30, 2017

/s/ Roger Saldaña Madero
 Cemex, S.A.B. de C.V.
 Lic. Roger Saldaña Madero
 Secretary of the Board of Directors