Ternium S.A. Form 6-K April 01, 2013

FORM 6 - K

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Report of Foreign Private Issuer Pursuant to Rule 13a - 16 or 15d - 16 of the Securities Exchange Act of 1934

As of 4/1/2013

Ternium S.A. (Translation of Registrant's name into English)

Ternium S.A.
29, avenue de la Porte-Neuve, L-2227,
Luxembourg
(352) 4661-11-3815
(Address of principal executive offices)

| Indicate by check mark whether the | ne registrant files or | will file annual report | s under cover Form | n 20-F or 40-F. |
|------------------------------------|------------------------|-------------------------|--------------------|-----------------|
|------------------------------------|------------------------|-------------------------|--------------------|-----------------|

Form 20-F ü 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 ü

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): Not applicable

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The attached material is being furnished to the Securities and Exchange Commission pursuant to Rule 13a-16 and Form 6-K under the Securities Exchange Act of 1934, as amended.

This report contains Ternium S.A.'s press release announcing Annual General Meetings of Shareholders.

SIGNATURE

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.

TERNIUM S.A.

By: /s/ Raúl Darderes Name: Raúl Darderes

Title: Secretary to the Board of Directors

Dated: April 1, 2013