

TOWER SEMICONDUCTOR LTD

Form 6-K

October 25, 2010

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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  
of the Securities Exchange Act of 1934

For the month of October 2010 No. 6

TOWER SEMICONDUCTOR LTD.  
(Translation of registrant's name into English)

Ramat Gavriel Industrial Park  
P.O. Box 619, Migdal Haemek, Israel 23105  
(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

On October 25, 2010, the Company has successfully completed the institutional stage of a fund raising in Israel, receiving commitments from investors to a new series of long-term bonds it intends to issue bond, maturing in two equal installments on December 2015 and December 2016. Attached hereto is the following exhibit:

99.1

Press Release dated October 25, 2010

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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.

October 25, 2010

TOWER SEMICONDUCTOR LTD.

By: /s/ Nati Somekh Gilboa  
Nati Somekh Gilboa  
Corporate Secretary