
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
OF THE SECURITIES EXCHANGE ACT OF 1934**

For the month of October 2026 No.1

Commission File Number 0-24790

TOWER SEMICONDUCTOR LTD.

(Translation of registrant's name into English)

Ramat Gavriel Industrial Park
P.O. Box 619, Migdal Haemek, Israel 2310502
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

**On October 13, 2026, the Registrant to Announces Third Quarter 2026
Financial Results and Conference Call**

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.

TOWER SEMICONDUCTOR LTD.

Date: October 13, 2026

By: /s/ Nati Somekh

Name: Nati Somekh

Title: Corporate Secretary

Tower Semiconductor Announces Third Quarter 2026 Financial Results and Conference Call

MIGDAL HAEMEK, Israel – October 13, 2026 – Tower Semiconductor (NASDAQ/ TASE: TSEM), the leading foundry of high value analog semiconductor solutions, will issue its third quarter 2026 earnings release on Monday, November 2, 2026. The Company will hold a conference call to discuss its third quarter 2026 financial results and fourth quarter 2026 guidance on Monday, November 2, 2026, at 10:00 a.m. Eastern Time (09:00 a.m. Central, 08:00 a.m. Mountain, 07:00 a.m. Pacific and 05:00 p.m. Israel time).

The call will be webcast and available through the Investor Relations section of Tower Semiconductor's website at <https://ir.towersemi.com/>, where the pre-registration form required for dial-in participation is also accessible. Upon completing the registration, participants will receive the dial-in details, a unique PIN, and a confirmation email with all necessary information. The teleconference will be available for replay for 90 days.

About Tower Semiconductor

Tower Semiconductor Ltd. (NASDAQ/TASE: TSEM), the leading foundry of high-value analog semiconductor solutions, provides technology, development, and process platforms for its customers in growing markets such as consumer, industrial, automotive, mobile, infrastructure, medical and aerospace and defense. Tower Semiconductor focuses on creating a positive and sustainable impact on the world through long-term partnerships and its advanced and innovative analog technology offering, comprised of a broad range of customizable process platforms such as SiPho, SiGe, BiCMOS, mixed-signal/CMOS, RF CMOS, CMOS image sensor, non-imaging sensors, displays, and integrated power management (BCD and 700V). Tower Semiconductor also provides world-class design enablement for a quick and accurate design cycle as well as process transfer services including development, transfer, and optimization, to IDMs and fabless companies. To provide multi-fab sourcing and extended capacity for its customers, Tower Semiconductor currently owns one operating facility in Israel (200mm), two in the U.S. (200mm), and two in Japan (200mm and 300mm) which it owns through its 51% holdings in TPSCo and shares a 300mm facility in Agrate, Italy with STMicroelectronics. For more information, please visit: www.towersemi.com.

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