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 November 2026 No. 3

Commission File Number 000-24790

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 ☐

At an Extraordinary General Meeting of Shareholders of Tower Semiconductor Ltd. (the "Company") held on November 25, 2026 (the "Meeting"), a quorum was present and the Company's shareholders voted on the proposal described in the Company's proxy statement for the Meeting, which was furnished as Exhibit 99.1 to a Report of Foreign Private Issuer on Form 6-K, furnished by the Company to the U.S. Securities and Exchange Commission on October 13, 2026. The proposal for approval of an amended and restated compensation policy for the Company's directors and executive officers was approved at the Meeting by the requisite majority under the Israeli Companies Law, 5759-1999.

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: November 25, 2026

By: /s/ Nati Somekh
Name: Nati Somekh
Title: Corporate Secretary