NOVA MEASURING INSTRUMENTS LTD Form 6-K March 30, 2015

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934

March 30, 2015

Commission File No.: 000-30668

NOVA MEASURING INSTRUMENTS LTD. (Translation of registrant's name into English)

Building 22 Weizmann Science Park, Rehovot P.O.B 266 Israel (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 S 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): _____

Attached hereto and incorporated by way of reference herein are the following documents:

- 1. The Registrant's Notice of Annual General Meeting of Shareholders and Proxy Statement for its 2015 Annual General Meeting of Shareholders.
- 2. Proxy card for use in connection with the Registrant's 2015 Annual General Meeting of Shareholders

This report on Form 6-K is hereby incorporated by reference into the Registrant's registration statements on Form S-8, filed with the Securities and Exchange Commission on the following dates: December 29, 2005 (File No. 333-130745); November 5, 2007 (File No. 333-147140), October 25, 2012 (File No. 333-184585) and March 6, 2015 (File No. 333-202550).

SIGNATURES

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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.

NOVA MEASURING INSTRUMENTS LTD. (Registrant)

Date: March 30, 2015

By: /s/ Dror David

Dror David Chief Financial Officer Exhibit Index

99.1 Notice of Annual General Meeting of Shareholders and Proxy Statement 99.2 Proxy Card