

NOVA MEASURING INSTRUMENTS LTD  
Form 6-K  
January 17, 2007

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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  
under the Securities Exchange Act of 1934

Date of Report: January 17, 2007  
Commission File No.: 000-30688

**NOVA MEASURING INSTRUMENTS LTD.**

Building 22 Weitzmann Science Park, Rehovoth  
P.O.B 266  
Israel

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 is submitting this Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_\_

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 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If  Yes is marked, indicate below the file number assigned to the registrant in connection with 12g3-2(b): N/A.

Attached hereto and incorporated by way of reference herein is the Registrant's press release entitled "Nova Measuring Instruments Provides 4 Week Extension to Deadline For Receiving Bids Pursuant to IP Auction Announced September 6, 2006".

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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.

NOVA MEASURING INSTRUMENTS LTD.

By: */s/ Dror David*

Dror David  
Chief Financial Officer

Date: January 17, 2007

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**Company Contact:**

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**Company Press Release**

**NOVA MEASURING INSTRUMENTS PROVIDES 4 WEEK EXTENTION  
TO DEADLINE FOR RECEIVING BIDS PURSUANT TO IP AUCTION  
ANNOUNCED SEPTEMBER 6, 2006**

*While making preliminary evaluation of bids already received, Company agrees to accept  
additional bids through February 15, 2007*

**Rehovoth, Israel, January 17, 2007** Nova Measuring Instruments Ltd. (Nasdaq: NVMI), the market leader in integrated measurement and process control for the semiconductor industry, today announced that, in response to indications of interest, it will extend the original January 15, 2007 deadline for receiving bids relating to the IP auction until February 15, 2007. Nova indicated that it has received bids and is in the process of making a preliminary evaluation. After the final deadline of February 15, 2007, as indicated previously, the company will complete the evaluation of all bids and announce the results of the auction by March 15, 2007.

**About Nova**

Nova Measuring Instruments Ltd. develops, designs and produces integrated process control systems in the semiconductor manufacturing industry. Nova provides a broad range of integrated process control solutions that link between different semiconductor processes and process equipment. The Company's website is [www.nova.co.il](http://www.nova.co.il).

*This press release contains forward-looking statements within the meaning of safe harbor provisions of the Private Securities Litigation Reform Act of 1995 relating to future events or our future performance, including statements with respect to the level of interest in the auction and its potential results. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied in those forward-looking statements. These risks and other factors include but are not limited to: unforeseen conditions which could prevent the successful completion of the auction or successful implementation of our strategy regarding our intellectual property assets; our dependency on a single integrated process control product line; the highly cyclical nature of the markets we target; our inability to reduce spending during a slowdown in the semiconductor industry; our ability to respond effectively on a timely basis to rapid technological changes; risks associated with our dependence on a single manufacturing facility; our ability to expand our manufacturing capacity or marketing efforts to support our future growth; our dependency on a small number of large customers and small number of suppliers; risks related to our intellectual property; changes in customer demands for our products; new product offerings from our competitors; changes in or an inability to execute our business strategy; unanticipated manufacturing or supply problems; changes in tax requirements; changes in customer demand for our products and risks related to our operations in Israel. We cannot guarantee future results, levels of activity, performance or achievements. The matters discussed in this press release also involve risks and uncertainties summarized under the heading "Risk Factors" in Nova's Annual Report on Form 20-F for the year ended December 31, 2005 filed with the Securities and Exchange Commission on June 29, 2006. These factors are updated from time to time through the filing of reports and registration statements with the Securities and Exchange Commission. Nova Measuring Instruments Ltd. does not assume any obligation to update the forward-looking information contained in this press release.*

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