
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

CURRENT REPORT

**PURSUANT TO SECTION 13 OR 15(D) OF
THE SECURITIES EXCHANGE ACT OF 1934**

DATE OF REPORT (DATE OF EARLIEST EVENT REPORTED) MARCH 15, 2010

OSI SYSTEMS, INC.

(EXACT NAME OF REGISTRANT SPECIFIED IN CHARTER)

DELAWARE
**(STATE OR OTHER JURISDICTION
OF INCORPORATION)**

000-23125
(COMMISSION FILE NUMBER)

330238801
**(IRS EMPLOYER
IDENTIFICATION NO.)**

**12525 CHADRON AVENUE
HAWTHORNE, CA 90250**
(ADDRESS OF PRINCIPAL EXECUTIVE OFFICES) (ZIP CODE)

(310) 978-0516
(REGISTRANT'S TELEPHONE NUMBER, INCLUDING AREA CODE)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01 Other Events.

Our Chairman of the Board of Directors, President and Chief Executive Officer, Deepak Chopra, has entered into a Rule 10b5-1 trading plan which shall be in effect until March 4, 2011 unless sooner terminated to sell up to a total of 100,000 shares of the Company's common stock (the "Plan"). Mr. Chopra's previous 10b5-1 trading plan expired on November 18, 2009.

Under the Plan portions of the shares may be sold during certain prearranged trading periods, subject to certain conditions set forth in the Plan, with any unsold shares carried over to subsequent trading periods during the term of the Plan. The Plan is intended to comply with Rule 10b5-1 of the Securities Exchange Act of 1934, as amended, and the Company's insider trading policy.

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 hereunto duly authorized.

OSI SYSTEMS, INC.

Date: March 17, 2010

By: _____ /s/ VICTOR SZE
Victor Sze
Executive Vice President,
Secretary, and General Counsel