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): DECEMBER 5, 2007

OSI SYSTEMS, INC.

(EXACT NAME OF REGISTRANT SPECIFIED IN CHARTER)

CALIFORNIA (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:

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- " 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))

Item 1.01. Entry into a Material Definitive Agreement.

On December 5, 2007, our shareholders approved certain amendments to our company s 2006 Equity Participation Plan. Specifically, such amendments: (i) increase the number of shares of Common Stock authorized for issuance under the plan by 2,000,000 shares; (ii) limit the number of shares of restricted stock available for issuance under the plan to 1,000,000 shares; and (iii) raise from 85% of market value to 100% of market value, the lowest exercise price at which stock options may be granted under the plan.

A copy of the plan, as amended and restated, is filed herewith as Exhibit 10.1 and is incorporated herein by reference.

Item 3.03. Material Modification to Rights of Security Holders.

The information set forth under Item 1.01 (Entry into a Material Definitive Agreement) is incorporated herein by reference.

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: December 5, 2007

By: /s/ Victor Sze Victor Sze

General Counsel

EXHIBIT INDEX

Exhibit Number Description

10.1 Amended and Restated 2006 Equity Participation Plan