

Thakur Randhir
Form 4
December 21, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Thakur Randhir

2. Issuer Name and Ticker or Trading Symbol
APPLIED MATERIALS INC /DE [AMAT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
12/19/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
EVP & GM, Silicon Systems

C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 1268

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

SANTA CLARA, CA 95054

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	12/19/2012		F		\$ 45,679 (1)	D	
					11.34		
Common Stock	12/20/2012		S		\$ 28,500	D	
					11.28		
Common Stock					3,768.317 (3)	I	By 401(k) Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Thakur Randhir
C/O APPLIED MATERIALS, INC.
P.O. BOX 58039, 3050 BOWERS AV, M/S 1268
SANTA CLARA, CA 95054

EVP & GM, Silicon Systems

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact

12/21/2012

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents shares that were automatically withheld upon vesting of performance shares to cover tax withholding obligations in a transaction exempt under Rule 16b-3.
- (2) Number of shares includes: (a) 985,000 performance shares previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting will be scheduled to occur as follows: (i) 166,000 shares are scheduled to vest in installments during each December of 2013 and 2014; (ii) provided specified performance goals are achieved, 36,000 shares will be scheduled to vest in December 2013; (iii) provided specified performance goals are achieved, 483,000 shares will be scheduled to vest in installments during each December of 2013 through 2016, which number of shares is the target amount, and the actual number of shares that may vest ranges from 0% to 150% of the target amount, depending on the achievement of specified performance goals; and (iv) provided specified performance goals are achieved, 300,000 shares will be scheduled to vest in installments during each July of 2013 through 2016, which number of shares is the target amount, and the actual number of shares that may vest ranges from 0% to 150% of the target amount, depending on the achievement of specified performance goals; and (b) provided specified performance goals are achieved, 17,000 shares of restricted stock will be scheduled to vest in installments during each December of 2013

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through 2015, which number of shares is the target amount, and the actual number of shares that may vest ranges from 0% to 150% of the target amount, depending on the achievement of specified performance goals (all vesting is subject to continued employment through each applicable vest date).

(3) Increased number of shares reflects dividend reinvestment under the 401(k) Plan that are exempt under Rule 16b-3.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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