KLA TENCOR CORP

Form 4

September 09, 2016

FORM 4

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

OMB APPROVAL OMB 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Number: January 31, Expires:

2005

Form 4 or Form 5 obligations **SECURITIES**

Estimated average burden hours per response... 0.5

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Kirloskar Virendra A			2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE		(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
			(Month/Day/Year) 09/07/2016	Director 10% Owner X Officer (give title Other (specification) below) SVP & Chief Accounting Officer			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
MILPITAS, C	CA 95035		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(State)

(Zip)

(City)

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. Transactio Code (Instr. 8)	(D) (Instr. 3,	4 and (A) or	d of 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 Beneficial Ownership (Instr. 4)
Common			Code V	Amount	(D)	Price			
Stock - Restricted Stock Units	09/07/2016		A	5,062 (2) (3)	A	\$ 0	19,567 (4) (5)	D	
Common Stock	09/07/2016		M	2,531 (6)	A	\$0	9,505	D	
Common Stock	09/07/2016		F	1,202 (7)	D	\$ 70.8	8,303	D	

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

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SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exer		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	ofNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	5		Amou Under Secur (Instr.	rlying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	7 (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Kirloskar Virendra A C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

SVP & Chief Accounting Officer

Signatures

Teri Little as Attorney-in-Fact for Virendra A. Kirloskar

09/09/2016

**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) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
 - On August 6, 2013, in addition to the RSUs granted on that date that were subject only to service-vesting requirements (which RSUs were previously reported on Form 4), the Reporting Person was also granted RSUs covering up to a maximum of 5,062 shares (based on 125% of the target shares of 4,050) of KLA-Tencor common stock, subject to both performance-vesting and service-vesting requirements.
- Following the completion of KLA-Tencor's audited financial statements for the 2016 fiscal year, on September 7, 2016 the Compensation Committee of KLA-Tencor's Board of Directors determined the level at which the corporate performance goals were attained and, based on the assessment, determined that the number of shares subject to the RSUs is 5,062.
- (3) The Reporting Person vested fifty percent (50%) of the performance-based RSUs upon the date on which the Compensation Committee of KLA-Tencor's Board of Directors determined the level at which the underlying performance goals were attained (September 7, 2016)

Reporting Owners 2

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and will vest in the remaining fifty percent (50%) upon his completion of four years of service following the grant date of the award (August 6, 2013). The shares of common stock will be issued as the performance-based RSUs vest.

- Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made

 (4) regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days of the date such assessment is made.
- (5) Reflects an increase of 5,062 RSUs in connection with the determination of the level at which the August 6, 2013 performance-based RSUs were attained, less the fifty percent (50%) of such award that vested upon such assessment, as described in footnote 3.
- As noted in Footnote 2, on August 6, 2013, the Reporting Person received a grant of performance-based RSUs that, following the completion of fiscal year 2016, was determined by the Compensation Committee of KLA-Tencor's Board of directors (on September 7, 2016) to cover 5,062 shares of KLA-Tencor common stock. On September 7, 2016, the Reporting Person vested in fifty percent (50%) of such performance-based RSUs.
- Pursuant to the terms of the August 6, 2013 RSU grant, 1,202 shares of KLA-Tencor common stock were automatically withheld at (7) vesting to cover required tax withholding. The fair market value of KLA-Tencor common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA-Tencor common stock as reported on September 7, 2016.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.