Kirloskar Virendra A Form 4 November 14, 2018

November 14, 2018

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

may continue.

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

Name and Address of Reporti Kirloskar Virendra A	ng Person *	2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) (First)	(Middle)	3. Date of Earliest Transaction					
		(Month/Day/Year)	Director 10% Owner				
C/O KLA-TENCOR		11/11/2018	_X_ Officer (give title Other (specify below)				
CORPORATION, ONE			SVP & Chief Accounting Officer				
TECHNOLOGY DRIVE			2 · - 00 00000 10000 00000 00000				
(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person				
MILPITAS, CA 95035			Form filed by More than One Reporting Person				

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(City)	(State) (Z	Table	able 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)	(Instr. 3,	(A) or	d of (D) 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)		
~			Code V	Amount	(D)	Price	(mstr. 3 und 1)				
Common Stock - Restricted Stock Units	11/11/2018		M	1,255 (2)	D	\$0	14,422 (3)	D			
Common Stock	11/11/2018		M	1,255 (2)	A	\$0	1,552	D			
Common Stock	11/11/2018		F	623 (4)	D	\$ 95.28	929	D			
Common	11/12/2018		S	632 (5)	D	\$	297	D			

Stock 93.74

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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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. Transac Code (Instr. 8	5. tionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	S	ate	7. Title Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (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

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

SVP & Chief Accounting Officer

Signatures

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

11/12/2018

**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 RSU represents a contingent right to receive one share of KLA-Tencor common stock.
- On November 11, 2016 the reporting person was granted RSUs for an aggregate of 5,019 shares. On November 11, 2018, 25% of the RSUs vested.
- (3) Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made regarding the achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days

Reporting Owners 2

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of the date such assessment is made.

- Pursuant to the terms of the grant, shares of KLA-Tencor common stock were automatically withheld at vesting to cover required tax (4) 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 November 9, 2018.
- (5) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on January 31, 2018. 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.