FORM 4

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
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(Print or Type Responses)

1. Name and Address of Reporting Person* Kirloskar Virendra A	2. Issuer Name **and** Ticker or Trading Symbol KLA CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ____ Director ____ 10% Owner _X_ Officer (give title below) ____ Other (specify below) SVP & Chief Accounting Officer
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE	3. Date of Earliest Transaction (Month/Day/Year) 08/05/2019	
(Street) MILPITAS, CA 95035	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person
(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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock - Restricted Stock Units (1)	08/05/2019		M		626 (2)	D	$ 0	13,954 (3)	D	
Common Stock	08/05/2019		M		626 (2)	A	$ 0	2,502	D	
Common Stock	08/05/2019		F		217 (4)	D	$ 133.24	2,285	D	
Common Stock	08/05/2019		S		1,579 (5)	D	$ 130.1	706	D	
Common Stock - Restricted Stock Units (1)	08/06/2019		M		2,728 (6)	D	$ 0	11,226 (3)	D	
Common Stock	08/06/2019		M		2,728 (6)	A	$ 0	3,434	D	
Common Stock	08/06/2019		F		1,000 (7)	D	$ 135.64	2,434	D	
Common Stock - Restricted Stock Units (1)	08/06/2019		M		1,100 (8)	D	$ 0	10,126 (3)	D	
Common Stock	08/06/2019		M		1,100 (8)	A	$ 0	3,534	D	
Common Stock	08/06/2019		F		546 (7)	D	$ 135.64	2,988	D	
Common Stock	08/06/2019		S		409 (5)	D	$ 131.87	2,579	D	

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 Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)

				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		08/07/2019
**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 common stock.

(2) On August 3, 2017, the reporting person was granted 2,502 RSUs. On August 3, 2019, 25% of those shares vested but were not released until August 5, 2019.

(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 of the date such assessment is made.

(4) Pursuant to the terms of the grant, shares of KLA common stock were automatically withheld at vesting to cover required tax withholding. The fair market value of KLA common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA common stock as reported on August 2, 2019.

(5) This sale was effected pursuant to the terms of a Rule 10b5-1 trading plan adopted by the Reporting Person on February 21, 2019.

(6) On August 6, 2015, the reporting person received performance RSUs that the Compensation Committee determined in 2018 was for 5,456 shares based on the satisfaction of performance criteria. On August 6, 2019, the remaining shares vested.

(7) Pursuant to the terms of the grant, shares of KLA common stock were automatically withheld at vesting to cover required tax withholding. The fair market value of KLA common stock used for purposes of calculating the number of shares to be withheld was the closing price of KLA common stock as reported on August 6, 2019.

(8) On August 6, 2015, the reporting person was granted 4,400 RSUs. On August 6, 2019, the remaining RSUs vested.

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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