FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
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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).

(Print or Type Responses)

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

| I. Name and Address of Reporting Person – Kirloskar Virendra A | | | 2. Issuer Name and Ticker or Trading Symbol KLA CORP [KLAC] | | | | | (Check all applicable) Director Director | | | | | | |
|--|------------------------|--|---|---|--|------------------------------------|--|--|---------------------------------------|--|-----|---|--|------------|
| (Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE | | | | 3. Date of Earliest Transaction (Month/Day/Year) 08/05/2019 | | | | | | X Officer (give title below) Other (specify below) SVP & Chief Accounting Officer | | | | |
| (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) | | | | Ta | 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) | (Instr. 8) | | (A) or Dispose (Instr. 3, 4 and | | Benefic Reporte (Instr. 3 | | ount of Securities cially Owned Following ed Transaction(s) 3 and 4) | | Ownership Form: Direct (D) or Indirect | Beneficial Ownership | |
| | | | | | Code | V | Amount | or (D) | Price | | | | (I) (Instr. 4) | |
| Common Stock Un | Stock - Res | stricted | 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 | ommon Stock 08/05/2019 | | 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) | | stricted | 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) | | stricted | 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 se | parate line fo | r each class of secu | rities beneficially or | | Pers | sons who | r o resp | ond to t | the collec | | ormation spond unles trol number | s | 474 (9-02) |
| | | | | Derivative Securit (e.g., puts, calls, wa | | | | - | | ly Owned | | | | |
| Security | Conversion I | 3. Transaction Date Month/Day/\(^ | 3A. Deemed Execution Da | ` 1 / 1 | 5. | 6. Dand | 6. Date Exercisable and Expiration Date (Month/Day/Year) 7. T Am Unit Sec | | 7. Ti Amo Undo Secu (Inst | ttle and bunt of erlying urities r. 3 and | | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ownersh Form of Derivativ Security: Direct (D or Indirect | (Instr. 4) |

| | Code V (A) (D) | Date 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

| /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.
- 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.

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.