

KLA TENCOR CORP  
Form SD  
May 27, 2016

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

FORM SD  
Specialized  
Disclosure  
Report

KLA-TENCOR CORPORATION  
(Exact name of registrant as specified in its charter)

|  |              |                                      |
|--|--------------|--------------------------------------|
| Delaware                                       | 000-09992    | 04-2564110                           |
|  | (Commission  |                                      |
| (State or other jurisdiction of incorporation) | File Number) | (I.R.S. Employer Identification No.) |

|  |            |
|--|------------|
| One Technology Drive, Milpitas, California | 95035      |
| (Address of principal executive offices)   | (Zip Code) |

Scott Bostic (408) 875-8050  
(Name and telephone number, including area code, of the person to contact in connection with this report)

Check the appropriate box to indicate the rule pursuant to which this form is being filed, and provide the period to which the information in this form applies:

Rule 13p-1 under the Securities Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to  
 December 31, 2015.

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Section 1 - Conflict Minerals Disclosure

Item 1.01 Conflict Minerals Disclosure and Report

A copy of the Conflict Minerals Report of KLA-Tencor Corporation (the "Company") for the reporting period from January 1, 2015 to December 31, 2015 is filed as Exhibit 1.01 to this Specialized Disclosure Report on Form SD and is publicly available at <http://ir.kla-tencor.com/>.

The content of any website referred to in this Form SD is included for general information only and is not incorporated by reference into this Form SD or the attached Conflict Minerals Report.

Item 1.02 Exhibit

In accordance with Rule 13p-1 under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and this Form SD, the Company has filed a Conflict Minerals Report, which is attached as Exhibit 1.01 to this Form SD.

The information in Items 1.01 and 1.02 of this Specialized Disclosure Report on Form SD and the exhibit attached hereto shall not be deemed incorporated by reference in any filing by the Company under the Securities Act of 1933, as amended, or the Exchange Act, regardless of any general incorporation language in such filing.

Section 2 - Exhibits

Item 2.01 Exhibits

The following exhibit is filed herewith:

Exhibit No. Description

|      |  |
|------|--|
| 1.01 | KLA-Tencor Corporation Conflict Minerals Report for the reporting period from January 1, 2015 to December 31, 2015 |
|------|--|

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the duly authorized undersigned.

KLA-TENCOR  
CORPORATION

Date: May 27, 2016

By: /s/ VIRENDRA A.  
KIRLOSKAR  
Name: Virendra A. Kirloskar  
Senior Vice President  
and  
Title: Chief Accounting  
Officer