



# Indian Institute of Technology Kanpur

## Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2016-17/16

Date: 22/08/2016

Sealed Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for **Oscilloscope**.

Detailed specifications, term and conditions for **Oscilloscope** are mentioned below:

Note: **The technical and financial bid should be submitted together in separately sealed envelopes.** The **Oscilloscope** must comply with following technical specifications.

### Technical specifications for **Oscilloscope**:

1. System must have inbuilt analog channels 4
2. System must have inbuilt digital channels 16
3. System must have inbuilt RF channel 1
4. The inbuilt function generator should be with following specification:
  - a. It must have frequency range of 50MHz or better
  - b. It must have 13 predefined waveform types
  - c. The system must have 128 k arbitrary generator record length
  - d. System arbitrary generator sample rate must be 250 MS/s
5. The systems analog characteristics must have following specifications:
  - a. Analog bandwidth must be 1GHz on all channels
  - b. Record length should be 20 M points per channel or better
  - c. Sampling Rate should be 5GS/s or better
6. The systems digital characteristics must have the following specifications:
  - a. Maximum sample rate should be 500 MS/s or better
  - b. Maximum record length should be 20M points or better
7. The system vector signal analyzer must have the following specifications:
  - a. Frequency range should be 9 KHz or better
  - b. System resolution bandwidth should be 8MHz or better
  - c. System capture /analysis bandwidth should be at least  $\geq 200$  MHz or better
  - d. System should have frequency vs. time, amplitude vs. time, and phase vs. time waveforms
8. System measurement capabilities should have following capabilities:
  - a. Time domain analysis
  - b. Frequency domain analysis
  - c. Inbuilt digital voltmeter
  - d. Arbitrary function generator
9. Systems must have features like Connecting to the remote control by using LXI/LAN, USB, and Ethernet.

Terms and Conditions:

1. System should be come with software and connecting cable for remote control operations.
2. System should be supplied with all standard accessories like Probes 1 GHz, 3.9 pSec, 10X probes per channel.
3. **Supplier/Vendors should submit technical and financial bids together in separately sealed envelopes.**
4. Supplier who has supplied at least 5-6 similar **Oscilloscope** in the national and international institutions in last two years will be preferred.
5. Financial bid will be open only for those, who meet tender technical specification.
6. **Please do mention tender number clearly on envelop.**
7. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
8. Quotation must indicate FOB prices.
9. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
10. **Warranty/Guarantee and extended warranty (AMC) Details should be clearly mentioned. The Warranty must start from the date of installation at IITK.**
11. **Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.**
12. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
13. Validity of quotation should be at least for 60 days.
14. Maximum educational discounts should be applied.
15. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
16. Institute is exempted from payment of Excise Duty under notification No. 10/97.
17. **The delivery period should be clearly mentioned. Earlier delivery may be preferred.**
18. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelope latest by 3:00 PM on 01/09/2016 to the following address;

To,  
Prof Siddharth Panda,  
Room No.310,  
Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,  
Kanpur – 208016, Uttar Pradesh, India