

**Department of Electrical Engineering**  
**Indian Institute of Technology, Kanpur**

October 30, 2015

**Reference No: IIT/EE/LB/2015-16/P/03**

**Sub: Inviting sealed quotations for a Digital storage Oscilloscope and related accessories:**

Sealed quotations are invited for a Digital Storage Oscilloscope and related accessories of the following configuration. Our organization is an educational institute of repute and liable to get educational discount from the manufacturer / supplier. Please specify the discount separately.

The submitted quotations should have complete technical specifications for your product for each part/component and accessories. Please specify company name and model number. Also attach technical brochure. Financial details i.e. budget quotation should be in a separate sheet specifying taxes and discounts clearly.

The envelope should be marked as “Digital Storage Oscilloscope and related Accessories: **IIT/EE/LB/2015-16/P/02**”

Technical description:

Sl. No.	Specifications	
1.	Bandwidth	500 MHz (on each channel)
2.	Number of Channels	4
3.	Memory Depth	5M point record length on all channels simultaneously
4.	Sampling rate	1.25 GS/s (on all channels simultaneously)
5.	Vertical Input Sensitivity	2mV/div or better
6.	DC gain accuracy	≤1.5% for 5mV/div and above
7.	Time base range	5ns/div to 50Sec/div or better
8.	Waveform Update Rate	1,000,000 waveform/s or better
9.	Time Base Accuracy	25ppm or better
10.	Automatic Measurements	20+ including like as voltage, time, and frequency as well as four waveform math function including FFT
11.	Connectivity	USB Interface and LAN
12.	Vertical Resolution	8 bit or more
13.	Input Impedance	Selectable: 1MΩ±1% (14pF), 50Ω ±1.5%
14.	Display Size	8.5 inch or more (color) with at least 800 horizontal and 480 vertical pixels.
15.	Operating voltage	100 – 240 VAC, 50Hz
16.	Temperature	Operating: 0 to +55°C
17.	Warranty	At least 3 years

18.	Accessories	1. 4 voltage probes for measurements upto 300V <sub>RMS</sub> User Manual, Power cord 2. Computer Interface: Preferable Standard
19.	Data export	Integrated USB port for direct connection of storage USB pen drives
20.	Renowned Manufactures like:-	Agilent, Tektronix, Yokogawa, Lecroy etc.

**The Scope includes:**

1. Setting up the machine at IIT Kanpur.
2. Initial Installation and configuration
3. Training

Terms and conditions:

- Maximum educational discounts should be applied
- Institute is exempted for payment of Excise Duty under notification No. 10/97
- Validity of quotation should be at least for 60 days.
- Warranty/Guarantee should be clearly mentioned.
- Normal payment terms for the institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection).
- Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.
- The delivery should be specifically stated. Earlier delivery may be preferred.
- 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.
- Price must include all taxes and charges (including delivery, installation, training etc.)

**Last date for submission of quote: November 05, 2015, (5 PM).**

The Quotation in sealed envelope should be sent to the following address:

**Dr.Laxmidhar Behera**

Professor,

Western lab-Room No.212A

Email: lbehera@iitk.ac.in

Department of Electrical Engineering

IIT Kanpur-(UP)-208016

Ph.No- 0512 259 7198