

**Indian Institute of Technology Kanpur**  
**Department of Physics**  
**Kanpur – 208016, India**

**Dr. Shibabrata Nandi**

Assistant Professor  
Dept. of Physics  
Indian Institute of Technology Kanpur,  
Kanpur - 208016, India

+91 512 259 6557 (Office)

+91 512 259 7947 (Lab)

E-mail: snandi@iitk.ac.in

---

**Enquiry no.: IITK/PHY/SN/NC-3/2017**

Enquiry date: 02/11/2017

Closing date: 17/11/2017

**Request for submission of quotation for “High precision Frequency counter”**

Dear Sir/Madam,

We are interested in purchase of high precision Frequency counter. Our organization is an educational institute of repute and liable to get **educational discount** from the manufacturer/supplier. Please specify the discounts separately.

Sealed quotation(s) (in hard copy) are required on or before 17/11/2017 latest by 5 PM, meeting all technical specifications as mentioned below:

**1. Frequency Counter with Ultra High-stability OCXO Timebase.**

Technical specifications:

1	Frequency Range	DC/2 mHz to 350 MHz
2	Channels	2
3	Time base frequency	10 MHz
4	Aging Rate Per Year	± 1 ppm standard ± 50 ppb Optional
5	Gate Time	1 ms to 1000 s in 10 µs steps
6	Type of Input Signal	Continuous Wave
7	Resolution	12 Digits or better
8	Input Impedance	Selectable 1 MΩ ± 1.5% or 50 Ω ± 1.5%    <25 pF
9	Trigger Slope	Selectable positive or negative
10	Display Type	4.3" Color TFT WQVGA (480 x 272), LED backlight, Graphical Display (Digits, trend, histogram, limit test, markers)

11	Measurement	Frequency, period, frequency ratio, max/min/peak-to-peak input voltage
12	Calibration	Electronic
13	Temperature Stability	$\pm 1$ ppm standard and $\pm 5$ ppb (0 °C to 55 °C relative to 25 °C)
14	Interface and software	LXI-C/LAN, USB, GPIB. Software should have feature of control automated test and data logging for faster analysis
15	Power Supply	100V - 240V $\pm 10\%$ , 50-60 Hz $\pm 5\%$
16	Warranty	Three Years
17	Calibration & User Manual	Required

**Terms and conditions:**

- Quotations should have a validity of a minimum of 90 days.
- Quotation(s) should be sent to the undersigned in hard copy only.
- Terms of payment and delivery period should be specifically stated.
- **The rate offered should include all taxes and transportation charges up to IIT Kanpur, India.**
- Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
- Warranty period should be stated.
- Institute is exempted for payment of Excise Duty under notification No. 10/97 & partially @ 5.15% Custom Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- The Institute reserves the right of accepting and rejecting any quotations without assigning any reason.

**Dr. Shibabrata Nandi**  
**Dept. of Physics**  
**Indian Institute of Technology Kanpur,**  
**Kanpur – 208016, India**