



# KATWA COLLEGE

(Affiliated to the University of Burdwan)

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN- 713 130, India.

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Ref. No.: 98/Electronics Lab Instrument/KC/PC/2024

Date: 05/04/2024

## Invitation of Quotation for Supply of Lab Instruments for Electronics Dept at Katwa College

Sealed Quotations are hereby invited by the undersigned on behalf of the Principal, Katwa College, for Supply of lab instruments for the Department of Electronics, Katwa College as per terms & conditions mentioned below. The filled quotations along with the entire required document must reach in the office of the undersigned on or before. 15<sup>th</sup> April, 2024, 3:00 p.m. (Excepting holidays).

### Specifications:

Item No.	Instrument Name	Specification	Quantity
1	Digital Nanoammeter	i) Resolution: 0.1 nA ii) Range: 100nA, 1 $\mu$ A, 10 $\mu$ A, 100 $\mu$ A with 100% over-ranging iii) Input Impedance: 25W, 2.5W, 0.25W, 0.025W iv) Accuracy: 0.2% for all ranges v) Accepts either polarity of input current vi) Display: 3½ digit Digital Panel Meter vii) Power Supply : 220V $\pm$ 10%, 50Hz	01
2	0-20Volt/250mA variable DC power supply	i) Digital voltmeter ii) Short circuit protection iii) Overload protection iv) Load & line regulation better than 0.05%. v) Ripple less than 5mV. vi) Voltage & Current control by Coarse & Fine controllers. vii) Voltage & current Display by 3½digits	01
3	Digital LCR Q Meter	i) Test Frequency: 100 Hz-25 kHz ii) Test Voltage: 0.5V <sub>rms</sub> $\pm$ 10% (HI) and 0.05V <sub>rms</sub> $\pm$ 10% (LO) iii) LCD Display	01
4	Digital Oscilloscope (50MHz) Storage	Band Width: 50MHz, 2 channel DSO with RTS 500MSa/s, Sample rate: 1GSa/s Automatic Measurement: Period, Frequency, Mean, V <sub>pp</sub> , V <sub>max</sub> , V <sub>min</sub> , V <sub>top</sub> , V <sub>bse</sub> , Amplitude, Overshoot, Pre-shoot, Rise time, Fall Time, + Pulse Width, - Pulse Width, + Duty Cycle, - Duty Cycle, Delay A $\rightarrow$ B Delay A $\rightarrow$ B, Cycle RMS, Screen Duty, Phase, + Pulse Count, - Pulse Count, Rise Edge Count, Fall Edge Count, Area, Cycle Area, 7" TFT LCD, USB device interfacing.	01
5	Arbitrary Waveform Generator (10MHz)	10MHz; 1 channel; 125MSa/s; Arb wave length: 8Kpts; Vertical Resolution 14bits, output amplitude: 1mV-25V <sub>pp</sub> (high impedance); modulation function(AM, FM, PM, FSK, Sweep, and Burst), USB Port with PC Communication Software	01



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## Terms & Conditions:

- The quotations received after this deadline & unsealed shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible. **The offer Submitted Fax/Email shall not be considered and no correspondence will be entertained in this matter.**
- Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/ Director or their authorized representative, In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation. **Quotation must be dropped in "Quotation Box" located in Administration Block of Katwa College, Katwa.**
- **Rates must be quoted in Indian rupees** and as per the format specified taxes extra if any must be written separately.
- Rates must be quoted FOR basis (including Freight charges, Insurance, installation etc.).
- No overwriting or cutting is permitted in the rate. If found, the quotation shall be summarily rejected.
- **The rates quoted must be valid for 90 days minimum** from the date of opening of the quotation and silence of any tendered on this issue shall be treated as agreed with this condition.
- **Delivery Period: within 30 days from Purchase order.**
- Payment Terms: Payment will be only after satisfactorily delivery / commissioning of material and after inspection by the Katwa College.
- **The latest / revised version shall be supplied.**
- **The qualifying bidder should supply all items which are listed in awarded purchase order.**

Sd/-

Principal

Katwa College