



WEST BENGAL STATE UNIVERSITY

Berunanpukuria, Malikapur, Barasat,
24 Parganas (North), Kolkata- 700 126

लक्ष्यं विश्वमानम्

Phone : (033) 2524 1975 / 1976 / 1978 / 1979 ■ Fax : (033) 2524 1977

Ref. No.: WBSU/Reg/ELTA/Quotation/3212/16-17

Date: 21/05/2016

Notice inviting quotation for supply of Electronic Equipments

The University intends to invite rates through sealed quotation for procurement of the following equipments for the Department of Electronics from interested agencies or parties or suppliers or distributors or manufacturers.

| Item No. | Item Name | Specification/Features | Quantity |
|----------|--|--|----------|
| 1 | 3MHz DDS Function Generator | Technology: DDS Technology with FPGA design Frequency: 0.1Hz to 3MHz Stability: ± 20 ppm Amplitude: from 1.1mV peak to 22 volt p-p Attenuator: -40dB DC Offset: -5V. to +5V. Duty Cycle control: 25% to 75% (below 1MHz in Square wave) Display: 6 digit LED display for voltage and frequency Wave form: Sine, Square, Triangle, TTL. Frequency setting: through numeric keypad, with each of the 6 digit control through linear potentiometer Power: 230V.AC, $\pm 15\%$, 50Hz Accessory: power chord, BNC to Crocodile Clip x 1 Manual: Original User Manual – 1 copy | 1 |
| 2 | 5MHz DDS Function Generator – Arbitrary Function Generator | Technology: DDS Technology with FPGA design Frequency: 0.1Hz to 5MHz Stability: ± 20 ppm Amplitude: 1.1mV peak to 10 volt p-p (into 50 ohm) 2mV p-p to 20V p-p in OC Duty Cycle control: 1% to 99% ≤ 100 KHz & 20% to 80% ≤ 5 MHz Display: Simultaneous display of frequency amplitude & Offset; Frequency display 9 digit LED; Amplitude display 4½ digit LED; Offset display 3 digit LED. Wave Form: Sine, Square, Triangle, Ramp, Pulse, Noise, Arbitrary , AM/FM/Sweep/FSK Frequency setting: through numeric keypad, with each of the 9 digit control through Linear potentiometer; Arbitrary Function. Sample Rate: 20MS/s Repetition Rate: 10MHz Waveform Length: 4K Amplitude resolution: 10 bit Ext. Frequency Counter: 5Hz to 150MHz Power: 230V.AC, $\pm 15\%$, 50Hz Accessory: Power chord, BNC to Crocodile Clip x 1 Manual: Original User Manual – 1 copy | 1 |
| 3 | 50MHz 2 channel Digital Storage Oscilloscope | Bandwidth: 50MHz No. of channel : 2 Sampling Rate: 25GS/s max. | 2 |

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| | <p>Record Length: 4K points per channel Display: 5.7" TFT Color LCD Display Vertical sensitivity: 2mV – 10V/cm (separate control for both the channel) Horizontal sensitivity: 1nS/div to 50S/div. Vertical Resolution: 8 bit Features: (i) Add/Subtract, Autoset, FFT (ii) Save & Recall: Upto 15 setups and 15 sets of waveform can be saved & recalled. (iii) Automatic Measurement: 19 types (iv) Cursor Measurement: ΔV, ΔT, $1/\Delta T$. (v) Acquisition Modes: Sample, Peak Detect, Average, Data Logger (vi) Peak Detect: 10nS, (vii) Communication Interface USB, Host & Device (viii) Mains input: 100 – 240V.AC 1 ph. 50Hz Accessories: 2x1:1/1:10 switchable probes, software, USB cable. Manual: Original User Manual – 1 copy</p> | |
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The interested agencies or parties or suppliers or distributors or manufacturers of the above items are requested to quote their rates to **Registrar (Officiating), West Bengal State University, Berunanpukuria, Malikapur, Barasat, 24-Parganas (N), Kolkata-700126** for supply of the above items. The rates should be firm and inclusive of all the taxes and duties like VAT etc. (if any) and the warranty of each item to be specified item-wise. Incomplete, conditional or those received without proper supporting documents after due date and time shall be summarily rejected. The actual quantity of the items can vary.

The quotation along with necessary supporting documents in sealed cove super-scribed "QUOTATION FOR SUPPLY ELECTRONIC EQUIPMENTS FOR THE ELECTRONICS DEPT" are to be submitted on or before 31/05/2016 upto 4.00 p.m. positively and will be opened by a committee at 3:00 p.m. in the University office on 01/06/2016. The University reserves the right to cancel any or all quotations without assigning any reasons there-of. The quoted rates will have to be valid for a period of three months from the date of opening of tender/quotation and delivered free of cost to the University Campus at Barasat. However, the University reserves the right to terminate the notice inviting quotation for supply of the above equipments at any point of time without assigning any reason thereof.


✓ Registrar (Officiating). WBSU

Registrar.
West Bengal State University
Berunanpukuria, Malikapur
Barasat, North 24-Pgs. Kol-126.

Copy for information and necessary action:

- 1) The V.C.'s Secretariat, WBSU
- 2) All members of the Purchase and Tender Committee, WBSU
- 3) Dr. Arijit Roy, HOD, Dept. of Electronics, WBSU
- 4) The Registrar's Guard File, WBSU


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