DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 84/2018/EE-3/21(AS) Dated: 18/12/2018

From : The Head of the Department,
Electrical Engineering,
IIEST, Shibpur, Howrah-711 103

To : Enlisted vendors of the institute and other interested parties/ For Website Tender.

Dear Sir(s),

Sealed quotations are invited for supply of the following item(s) within 7 working days from the date of publication of this advertisement in the website. The quotation should include the 5% GST only as per institute rule, delivery charges, entry tax if any, etc. to Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock.

The vendors, who are not enlisted in the Institute register, should submit the copies of their valid Trade License, GST registration, PAN, latest Income Tax / Sales Tax Statement /Return, SSI/MSME certificate, if any etc. and any other commercial credentials. The institute will provide concessional GST rate certificate with the purchase order and will pay 5% GST only.

Yours faithfully,

Please put your digital/scanned signature
Signature of the indenting Officer/
Concerned Faculty Member

Prof. & Head of EE Dept.
IIEST, Shibpur, Howrah – 711 103

Item No.: Specifications

MEL#1: NextGen USB based MultiDevice Instruments -- consisting of:

- Two-channel USB digital **OSCILLOSCOPE** (1MΩ, ±25V, differential, 14-bit, 100MS/s, 30MHz)
- Two-channel **ARBITRARY FUNCTION GENERATOR** (±5V, 14-bit, 100MS/s, 20MHz+ bandwidth)
- **STEREO AUDIO AMPLIFIER** to drive external headphones or speakers with replicated AWG signals
- 16-channel digital **LOGIC ANALYZER** (3.3V CMOS and 1.8V or 5V tolerant, 100MS/s)
- 16-channel **PATTERN GENERATOR** (3.3V CMOS, 100MS/s)
- 16-channel virtual **DIGITAL I/O** including buttons, switches, and LEDs – perfect for logic training applications
- Two input/output digital trigger signals for linking multiple instruments (3.3V CMOS)
- Single channel **VOLTMETER** (AC, DC, ±25V)
- **NETWORK ANALYZER** – Bode, Nyquist, Nichols transfer diagrams of a circuit. Range: 1Hz to 10MHz
- **SPECTRUM ANALYZER** – power spectrum and spectral measurements (noise floor, SFDR, SNR, THD, etc.)
- **DIGITAL BUS ANALYZERS** (SPI, I²C, UART, Parallel)
- Two **PROGRAMMABLE POWER** supplies (0...+5V , 0...-5V). The maximum available output current and power depend on the Analog Discovery 2 powering choice: 250mW max for each supply or 500mW total when powered through USB 700mA max or 2.1W max for each supply when using an external wall power supply.

Programmable with LabVIEW, also can run in standalone mode