

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

No. 83/2018/EE-3/21(DJG)

Dated: 18/12/2018

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

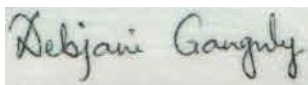
To : Enlisted vendors of the institute and other interested parties/ For Website Tender.

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/
103
Concerned Faculty Member

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

List of Items:

Item #	Name of the item	Qty	Specifications

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ESL#1	Low bandwidth DSO (non-isolated channels)	02	<ul style="list-style-type: none"> • 70MHz 2-Channel • 1GS/s Sampling rate • 2.5k point record length on all channels • 7 inch WVGA (800X480) Active TFT Color Display • Dual window FFT for simultaneously monitoring both the time and • frequency domains • Dual channel frequency counter • Zoom Function • Automated, extended data logging feature • Autoset and auto-ranging functions • highly-portable at less than 2.5 kg weight • USB 2.0 host port on the front panel • USB 2.0 device port on rear panel • 5 years warranty • Complete documentation
ESL#2	True RMS Multi-meter	04	<ul style="list-style-type: none"> • 4000 Count TRUE- RMS Auto-Ranging Digital Multi-meter with large backlit LCD Display with 1" digits • Built-in Type K thermometer for temperature measurements • Low current measurements down to 0.1µA • Input fuse protection • Mis-connection warnings • Autoranging • Capacitance measurement • Frequency measurement • Complete with CAT III test leads, multi-position tilt stand and velcro strap for hanging, protective holster with test lead holder, bead wire temperature probe and 9V battery • 3 years warranty • Complete documentation

Item #	Name of the item	Qty	Specifications
ESL#3	PIC-Kit 3	01	<ul style="list-style-type: none"> • USB (Full speed 12 Mbits/s interface to host PC) • Real-time execution • MPLAB IDE compatible (free copy to be included) • Built-in over-voltage/short circuit monitor • Firmware upgradeable from PC/web download • Totally enclosed • Supports low voltage to 2.0 volts (2.0v to 6.0v range) • Diagnostic LEDs (power, busy, error) • Read/write program and data memory of microcontroller • Erase of program memory space with verification • Freeze-peripherals at breakpoint • Program up to 512K byte flash with the Programmer-to-Go* • Header Information • Complete documentation • 1 year warranty
ESL#4	Universal Programmer	02	<ul style="list-style-type: none"> • Support 2.5V to 6.5V device. • Selectable to use USB or external 5V power supplier to supply power. • Transmission speed is 12 MHz/s. • Suitable to work with Desktop or Laptop. • With current protection function, effectively protects the programmer and devices. • 48 pins self-lock sockets • Support operation system: WINDOWS 10/8/7/vista/2000/2003/XP • Plastic cabinet, small size, light weight and low power • Auto detect company and type of the IC. • Software support: TopWin ver6.0 or equivalent/better • Complete documentation • 1 year warranty
ESL#5	Laboratory DC PSU	02	<p>Input: 230 V +/- 10%, 50 Hz single phase AC; Output: +/- 15 V (+/-2%), 3 A and +/- 5 V (+/-2%), 3 A; Output voltage regulation: no load to full load < 2%; 15 V set and 5 V set of outputs should be isolated. Weight < 1 kg, Warranty: 1 year or more</p>
ESL#7	LEM Voltage Sensor LV-25-P	06	<p>Output Type : Instantaneous Primary Nominal Value : 25 A Accuracy : 1.25 % Measuring Range : 55 A Supply Voltage : 12 - 15 (Bipolar) Secondary Signal : 25 mA</p>

Item #	Name of the item	Qty	Specifications
ESL#8	LEM Current Sensor LA-25-NP	06	Output Type : Instantaneous Primary Nominal Value * : 5 A, 6 A, 8 A, 12 A, 25 A Accuracy : 0.5 % Measuring Range : 36 A Supply Voltage : 15 - 15 (Bipolar) Secondary Signal : 25 mA
ESL#9	MPLAB Real ICE – In-circuit-emulator	01	<p>Product Features</p> <ul style="list-style-type: none"> - Real-time execution and real time trace collection - Stopwatch - Run time watch - Full hardware debugging: breakpoints, single-step, variable inspect/modify - Logic probe inputs/outputs (8) - I/O Port trace and SPI trace options for high speed upload of trace data - Over voltage/short-circuit monitor protection - Low voltage: to 2.0 volts (2.0V to 5.5V range) - High speed USB 2.0 communication protocol <p>Standard Probe Driver</p> <p>The Standard Probe Driver uses a MPLAB ICD 2 type connector (RJ11) to connect to the target application. Designs that are compatible with MPLAB ICD 2 debugging/programming are quickly converted to the use of MPLAB REAL ICE. This driver board is included in the MPLAB REAL ICE Probe Kit (DV244005).</p> <p>High Speed Probe Driver/Receiver (AC244002)</p> <p>The optional High Speed Probe Driver consists of two circuit boards (transmitter and receiver) with two CAT5 cables. Debug pins are driven using LVDS communications, and additional trace connections allow high speed serial trace uploads to the PC.</p> <p>1 year warranty</p>
ESL#10	Single phase VARIAC	01	Input: 230 V, 50 Hz Output: 0 – 270 V, 50 Hz, 8 A 1 year warranty