ADVT. for Tender Notice

Institute Website

CENTER FOR HEALTHCARE SCIENCE & TECHNOLOGY

Indian Institute of Engineering Science and Technology, Shibpur; Howrah-711103

Tender Advt. No CHST/17/10 Dated: 27.06 2017

Advt.No.Web/CHEST/IIEST/16-17/33

Sealed tenders are invited by the Centre for Healthcare Science & Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103 for the supply of laboratory items/works. Tender Documents containing details of the items and terms and conditions may be downloaded from the university website and completed bidding documents are to be submitted to the **Head, Centre for Healthcare Science & Technology, Indian Institute of Engineering Science and Technology, Shibpur; Howrah-711103** or dropped into the Tender Box kept in the **Center within Seven days of publication of this advertisement.**

Enclosed:

Section-I: General conditions and Important Instructions for Bidders.

Section-II: Specification of the Items.

Prof. Amit Roy Chowdhury
Head, CHST

ITEM (1) USB-6009	
Specification	• 8 analog inputs at 12 or 14 bits, up to 48 kS/s • 2 analog outputs at • 12 bits, software-timed 12 TTL/CMOS digital I/O lines • One 32-bit, 5 MHz counter • Digital triggering • Bus-powered • 1-year warranty
ITEM (2) NI-DAQ Pad-6211 E for USB	
Specification	• 16 analog inputs (16-bit, 250 kS/s) • 2 analog outputs (16-bit, 250 kS/s); 4 digital inputs; 4 digital outputs; 2 32-bit counters • Bus-powered USB for high mobility; built-in signal connectivity • NI signal streaming for sustained high-speed data streams over USB; OEM version available • Compatible with Lab VIEW, Lab Windows™/CVI, and Measurement Studio for Visual Studio .NET • NI-DAQmx driver software and NI Lab VIEW Signal Express LE interactive data-logging software • Information based on current version

ITEM(3) Vital Signs Simulator	
Specification	• All-in-one patient simulator 80 % smaller and 17 lbs./7.7 kilos lighter than single function simulator test tools • 8-in-1 multifunction patient simulator is a combination ECG simulator, fetal simulator, arrhythmia simulator, respiration simulator, temperature simulator, IBP simulator, cardiac output simulator, cardiac catheterization simulator, NIBP simulator, SpO2 tester, and is the premier SpO2 simulator to test Rainbow multi-wavelength waveforms • Stay-connected ECG posts for easy/secure ECG snap and lead connections • Custom SpO2 r-curve for accurate testing of the latest and future oximetry technologies • Static pressure linearity testing • Repeatable NIBP simulation for dynamic pressure repeatability testing • Physiologically synchronized pulses across all parameters • Barcode scanning and direct data capture and printing functionality • Onboard, customizable patient pre-sets and auto sequences for fast/easy testing • Multi-language user interface offers choice of language selection • Integrated, easily-replaceable long-life battery • Optional PC-interface software offers customizable procedures/checklists and automated data capture/storage • Wireless communication for remote PC control of test device, as well as data transfer and automated regulatory reporting
Temperature	Operating: 10’ C to 40 ‘ C (50 ‘ F to 104 ‘ F) Storage: -20 ‘ C to 60 ‘C (-4 ‘ f to 140 ‘ F)
Humidity	10 % to 90 % non-condensing
Altitude	3000 metres (9843 ft.)
Dimensions (L x W x H)	14.5 cm x 30.2 cm x 8.6 cm (5.7 in x 11.9 in x 3.4 in)
Display	LCD Color display
Communication	USB device upstream port – Mini B connector for control by a computer USB host controller port – Type A, 5 v output, 0.5 a max load. Connector for keyboard, barcode reader, and printer Wireless – IEEE 82.15.4 for control by a computer
Power	Lithium-ion rechargeable battery
Battery charger	100 V to 240 V input, 15 V/2.0 A output. For best performance, the battery charger should be connected to a properly-grounded ac receptacle
Battery Life	9 hours (minimum), 100 NIBP cycles typical
Weight	1.87 kg (4.2 lb)
Safety Standards	IEC/EN61010-1 3rd Edition; Pollution degree 2 CAT None
Certifications	CE, CSA, C-TICK N10140, RoHS
Electromagnetic Compatibility (EMC)	IEC 61326 – 1:2006