

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/17/7

Dated: 16.02.2017

Advt.No.Web/CHEST/IIEST/16-17/94

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,

Centre for Healthcare Science and Technology

ITEM	SPECIFICATION
ITEM (1) DSP TRAINER KIT	
SPECIFICATIONS	The DSK Trainer kit should use: <ul style="list-style-type: none">• DSP chip• a 375 MHz device delivering up to 3648 million instructions per second (MIPs) and 2736 MFLOPS The DSP Trainer should be specifically designed in a modular and user friendly format with many on board interface
HARDWARE	<ul style="list-style-type: none">• JTAG supported via USB• TLV320AIC23B programmable stereo codec• Two 3.5mm audio jacks for microphone and speaker• Expansion port for plug-in modules• Power supply : +5V, ±12V, GND• 8 DIP switches for inputs and 8 LED indication for output• Provision for manual Reset• 4*4 LED matrix• White noise source of amplitude 0~5Vpp• 20*2 character LCD display• 7 segment displays• RTC interface : I2C based RTC section• Phone keypad : 0 to 9 digits and *, # characters

	Code composer studio <ul style="list-style-type: none"> • JTAG to USB Programming Cable for DSP • TMS320C6745 DSK
QUANTITY	1 no.
ITEM (2) MICROCONTROLLER KIT	
SPECIFICATIONS	<ul style="list-style-type: none"> • Single board design with various resources • Excellent training platform for embedded applications • Software development tools should include assembler and 'C' compiler • Easy adaptability to different versions of microcontroller in the same family
	<ul style="list-style-type: none"> • Four 7-segment LED display • Experimental board for 40/28/18 pin PIC microcontroller family • In-system programming (ISP) facility via PIC Flash-ISP/PIC-ICD-II/ICD-2 • In-system debugging / programming via PIC-ICD-II/ICD-2 • On-board RS232 compatible serial interface • 4x4 matrix keyboard • 16x2 alphanumeric LCD connector (4-bit interface) • I2C EEPROM (24Cxx) • Real time clock (DS1307) with battery and SRAM • All port-pins available on 10-pin box header • User selectable pull-up/pull-down on all ports • 32 LEDs on each port pin for easy logic state monitoring • 8-high current output port (500mA) for external loads • One 12V relay and buzzer • RC5 infrared remote control receiver • Eight 10-bit A/D converter two 10-bit D/A converter provided by PIC16F877A/16F876A • 24 push button interface to port pins with logic 0/1 selection
ICS SUPPORTED	<ul style="list-style-type: none"> • PIC16F628 [A] –18Pin • PIC16F877 [A] – 40Pin • PIC16F876 [A] –28Pin
INSTALLABLE SOFTWARE ON CD	<ul style="list-style-type: none"> • Programmers notepad free, open source, text editor • PICFlash ISP programmer software • MPLAB, IDE • Hi-Tech C compiler (limited freeware version)Sample programs for peripherals
POWER SUPPLY	DC 12V/500mA output power supply
QUANTITY	1 no.
ITEM (3) PRINTER	
SPECIFICATIONS	All in One Laser Printer Scanner Copier Fax
CONNECTIVITY	Ethernet (RJ-45), USB 1.0/1.1, USB 2.0
PRINT SPEED	20 ppm
OUTPUT TYPE	Black & White
QUANTITY	1 no.