

No.A2/1147/2014/MEC

dated 29.10.2014

TENDER NOTICE

Sealed tenders in the prescribed format invited for the following under MODROBS project of Biomedical Department

Tender No :19/2014-15 dtd. 29.10.2014

Universal IC tester -1 no.

Microprocessor kits -15 nos

Date & Time of Reciept of Tender: 28/11/2014 11 AM

Last date of sale of tender form: 27/11/2014 4 PM

Cost of Tender form : Original :400

Duplicate :200

VAT @ 5% Extra

Tender form and details can be had from Model Engineering College, Thrikkakara, Cochin-21. EMD 1% of total cost quoted. Mode of remittance by Cash at College Office. For tender form by post remit Rs.50/- extra as postal charges. Agreement in stamp paper to accompany tender. Detailed requirement specifications given below.

Sd/-

PRINCIPAL

1. Technical specifications of Universal IC tester - 1nos

1. Testing:

Digital IC's such as 74 Series, 40/45 Series of CMOS IC's,
Microprocessors 8085, 8086, Z80.

Peripherals like 8255, 8279, 8253, 8259, 8251, 8155.

Analog IC's such as ADC, DAC, Opamp, 555, Transistor Arrays, Analog Switches,
Waveform Generator, Line Drivers, Voltage Regulators, PLLs, VCO, PWM
Generator, Sample & Hold, Voltages References, Opto couplers, Comparators,
Voltage Followers.

Seven segment display of common cathode & common anode type

2. Auto search facility for Digital IC's.

3. Test by: Truth table/sequence table comparison.

4. ZIF: 40 pin DIP ZIF sockets for Digital & Analog IC's – 2 Nos..

5. Key pad with numerical & functional keys.

6. Display: 16x2 Backlit LCD Display.

2. Technical specifications of Microprocessor kits -15 nos

CPU - 8085 operating at 6.144 MHz.

EPROM – 8 KB for Monitor Program

RAM – 8 K bytes of with Battery Backup.

Memory expansion - up to 56KB.

Peripherals: 8255, 8253, RS-232 using SID/SOD lines

Mode of commands: Hex Key pad & Serial modes

Display: Six Digit Seven Segment Display using 8279

Keypad: 28 Keys Hex Keypad using 8279

Provisions: For Single Stepping, Break Point, Full Clock Execution, Examine memory/
Register, Block Move, Insert, Data, Delete Data using Hex keyboard or PC serial mode,
Downloading/Uploading files from/to PC.

PCB: Glass Epoxy SMOBC PCB

Power Supply: Built-in Power Supply of +5V/1.5A, ±12V/250mA

Casing: ABS Plastic enclosures.

User's Manual