

Part A: Part 1 - Technical Bid

Microprocessor 8086 kits for ECE department at Indian Institute of Information Technology Pune

FORMAT & REQUIREMENTS

1. Tender Ref. No:
2. Name of Tenderer:
3. Complete office address of Tenderer.....
4. Contact details of authorized person of tenderer who have signed the tender.
 - a. Name.....
 - b. Designation.....
 - c. Phone (Office).....
 - d. Phone (Mobile).....
 - e. E mail.....
5. Due date & Time of submission of quotation:
6. Submission of technical confirmation to the requirement.
7. Please specify the make and model. Attach technical brochure.
8. Higher technical specification may be considered subject to competitive price offer.
9. Documents to be enclosed with the Technical bid are as under:
 - a. Copy of authorization letter from principal.
 - b. Duly signed & stamped Tender documents (All pages) as a mark of your acceptance.
 - c. Details of latest Three customers to whom similar supply were made should be submitted in the following format:-

Sr. No.	Name of Client along with contact details
1.	
2.	
3.	

- d. Supporting information with respect to the technical data, booklets of product. Any product manual brief, test certificates available may be enclosed.
- e. Copies of GST,PAN, VAT/ TIN duly Signed & Stamped.

Signature of Tenderer with Stamp

Annexure- I

**Format of Quotation along with specifications for Equipments supply for
ECE Department at Indian Institute of Information Technology Pune**

Sr. No	Requirement with Specifications	Quantity
1	<p>Advanced 8086 Microprocessor Training & development kit with LCD display, USB interface and inbuilt assembler/disassembler</p> <p>Kit Should have following features/specifications</p> <ul style="list-style-type: none"> • High Performance 16-bit 8086 CPU @ 8 MHz • 40 character X 2 lines LCD display and provision to connect 16x2 / 20x4 LCD on the same kit. • Onboard optional socket for 8087-2 NDP. • Onboard 8284 Clock Generator and 8288 Bus Controller. • Local and Remote modes of operation. • 64 KB Powerful Monitor Firmware in two 27256 EPROMs organized as 16-bit words including all standard commands, codes, functions and utility subroutines, Assembler and Dis-assembler Expandable to 128 KB. • 64 KB Static RAM in two 62256 RAMs organized as 16-bit words with battery back-up. • 3.6V Ni-Cd battery backup circuit for static RAMs. • Versatile Keyboard/Display controller using 8279. • On board 40x2 LCD display and PS2 connector for 104 Key Standard PC-compatible Keyboard. • On board 8254 Time/Counter chip. Out of 3 Channels of Timer/Counter Two Channels are totally available to the user through a 7-pin relimate connector. • 48 Parallel I/O lines from Two 8255 are brought out on separate FRC connector. • Printer Interface Provided through another 26 pin FRC Connector. • Serial I/O through 8251 USART, with on-board level shifters 1488 and 1489, brought out on a 9 bit D type Connector. • Software Selectable Baud Rates: 300 to 9600. • Onboard 8259 Interrupt Controller Provides 8 Prioritized interrupt Levels. • Should have on Board RS232 Serial and USB interface hardware. Assembly Language environment. • All 8086 bus Signals terminated on 50 and 20 Pin FRC Connector. • All Peripherals i.e. Study and PIO Cards should support. • Modes of Operation: Monitor Mode and Serial Mode. • Should be Supplied with SMPS: +5v 3A, +12v 1A, -12v 0.5A available. • Should be supplied in high quality wooden enclosure with cable-connectors. <p>Documentation to be included with kit:</p> <ul style="list-style-type: none"> • Softbound User's manual. • CD/DVD of User manual. • Sample Codes 	10 kits

Signature of Tenderer with Stamp

Part A: Part 2 - Commercial Bid

Equipments/ setups/ systems for ECE department at IIIT Pune

Part 2: Commercial Bid

FORMAT & REQUIREMENTS

Tender Ref. No.:

Name of the Tenderer/Bidder:

The offer with rates for the schedule of requirements of items, as elaborated under, to be submitted. Adhering to the format given below is a pre-requisite for considering your quotations:

However quantity may increase/ decrease

The format of commercial offer is as below:

Sr. No	Requirement with Specifications	Quantity	Basic Price in INR	Total Basic Price
1	<p>Advanced 8086 Microprocessor Training & development kit with LCD display, USB interface and inbuilt assembler/disassembler</p> <p>Kit Should have following features/specifications</p> <ul style="list-style-type: none"> • High Performance 16-bit 8086 CPU @ 8 MHz • 40 character X 2 lines LCD display and provision to connect 16x2 / 20x4 LCD on the same kit. • Onboard optional socket for 8087-2 NDP. • Onboard 8284 Clock Generator and 8288 Bus Controller. • Local and Remote modes of operation. • 64 KB Powerful Monitor Firmware in two 27256 EPROMs organized as 16-bit words including all standard commands, codes, functions and utility subroutines, Assembler and Disassembler Expandable to 128 KB. • 64 KB Static RAM in two 62256 RAMs organized as 16-bit words with battery back-up. • 3.6V Ni-Cd battery backup circuit for static RAMs. • Versatile Keyboard/Display controller using 8279. • On board 40x2 LCD display and PS2 connector for 104 Key Standard PC-compatible Keyboard. • On board 8254 Time/Counter chip. Out of 3 Channels of Timer/Counter Two Channels are totally available to the user through a 7-pin relimate connector. • 48 Parallel I/O lines from Two 8255 are brought out on separate FRC connector. • Printer Interface Provided through another 26 pin FRC Connector. 	10 kits		

<ul style="list-style-type: none"> • Serial I/O through 8251 USART, with on-board level shifters 1488 and 1489, brought out on a 9 bit D type Connector. • Software Selectable Baud Rates: 300 to 9600. • Onboard 8259 Interrupt Controller Provides 8 Prioritized interrupt Levels. • Should have on Board RS232 Serial and USB interface hardware. Assembly Language environment. • All 8086 bus Signals terminated on 50 and 20 Pin FRC Connector. • All Peripherals i.e. Study and PIO Cards should support. • Modes of Operation: Monitor Mode and Serial Mode. • Should be Supplied with SMPS: +5v 3A, +12v 1A, -12v 0.5A available. • Should be supplied in high quality wooden enclosure with cable-connectors. <p style="margin-left: 20px;">Documentation to be included with kit:</p> <ul style="list-style-type: none"> • Softbound User's manual • CD/DVD of User manual • Sample Codes 			
Taxes =			
Total Amount (Total Basic Price + Taxes) =			

The rate quoted shall be in accounting units (A/U) and should be quoted as basic price, all other costs including freight, insurance, packaging and forwarding duties/levies and taxes.

Signature of the Tenderer with Stamp

