

## TENDER NOTICE

### Model Polytechnic College Painavu (Under IHRD)

Painavu, Idukki district, Ph: 04862-232246

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web: [www.ihrd.ac.in](http://www.ihrd.ac.in)

Sealed tenders are invited for the supply of

SI No.	Name of Item	Unit Price	Qty	Total Price
1	Power Supply : Specification:- Power Supply + 15V/2A Dual Output fixed power supply. Regulation Line : 0.05% Load: 0.05% Ripple & Noise : 1mV rms. Protection : Overload & short circuit.	5000	20	100000
2	Power Supply Specification:- Linear Power Supply 0-32V/0-2A DC Dual Output PowerSupply Specification:- Constant Voltage Mode Regulation: - Line: + 0.01% + 2mV for + 10% change in line output. Load: + 0.01% + 2mV for load change from zero to full load. Ripple and Noise : 1mV rms max.20Hz-20MHz. Constant Current Mode Regulation: -Line: + 0.1% + 250µA for + 10% line change . Load: + 0.1% + 250µA for change in output voltage from 0 Volts to maximum output voltage Ripple and Noise : 0.04 rms. Output Polarity: Floating w.r.t. ground. Over load protection : Automatic overload and short circuit protection	7000	15	105000
3	4 1/2 Digital multimeter Specification:- Large LCD with backlight	1500	10	15000

	<p>Auto power off  Shock proof protection  Low battery Indication  Max display of 1999  True RMS AC+DC  Data hold  LCD size: 70x50mm  Battery: 9V  Input Impedence: 10Mohm  DCV: 200mV/2V/20V/200V/1000V  ACV: 200mV/2V/20V/200V/750V  DCA: 200µA/2mA/200mA/20A  ACA: 200µA20A  Resistance:  200ohm/2Kohm/20Kohm/200Kohm/2Mohm/200Mohm  Capacitance: 2nF/2µF/200µF  Frequency: 20KHz/200KHz  Accessories: Test leads, Battery, Instruction manual</p>			
4	<p><b>8051 Microcontroller Kit</b>  Specification:- 8051 Microcontroller Kit with Power Supply  8051/89C52 CPU operating @ 11.0592 MHz.  32K user RAM using 62256 with Battery Backup using NICD Battery  16K bytes of powerful monitor EPROM using 27512.  One memory socket is provided for expansion up to 64k  48 I/O lines using 2 Nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector. 20x2 Alphanumeric LCD Display with Backlite.  101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.  Two External interrupts INT0 &amp; INT1 are available at 40 pin FRC connector.  RS-232C using RX/TX of 8051 terminated on 9 Pins D-Type Connector..  Onboard Single Line Assembler / Disassembler.  Two modes of operation:- ASCII Keyboard Mode.- Serial Mode.</p>	12000	15	180000

<p>Facility for Downloading/Uploading files from/to PC. All Address, Data, Control &amp; Port lines are available on 40 Pins &amp; 10 Pins FRC Connector. All ICS are mounted on IC Sockets.</p> <p>In-Built Power Supply of +5V/1.5A, ±12V/250mA 8bit ADC &amp; DAC interface, Stepper motor Interface, Seven segment display Interface, Temperature measurement Interface</p>			
<b>Total</b>			<b>400000</b>

Tender details and specifications can be had from the IHRD website.

Last date and time of receiving tender: 20.8.2013, 11 am

Date and time of opening tender : 20.8.2013, 2 pm

N.B. Tender cost as per the norms must be accompanied along with the tender in the form of DD in favor of Principal MPTC, Painavu

Principal

Model Polytechnic College, Painavu