



GOVERNMENT POLYTECHNIC, AURANGABAD.

(An autonomous institute of govt. of Maharashtra)
Near Peer Bazar, Osmanpura Station road, Aurangabad
Phone: 2334724 /2321917/2353644 Resi : 2331562
Website : gpabad.ac.in email:principal.gpaurangabad@dtmaharashtra.gov.in

No. : GP /Store/2017-18/ 363

Date: 25 JAN 2018

INVITATION FOR QUOTATION (Eletronics & Tel. eng dept.)

**Sub: Quotation for purchase of equipments- Eletronics & Tel. department.
(Due Date 07/02/2018)**

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with required specification	Quantity required	Estimated cost per unit	Total Estimated cost
1	DC Regulated (Variable) Power Supply (0-32 V, 0-2A), 3 Digit DPM, Auto AC/DC Amp.Selection : DC Regulated (Variable) Power Supply (0-32 V, 0-2A), Regulation : Line : $\pm 0.01\%$ $\pm 2\text{mV}$ for $\pm 10\%$ change in line output. Load : $\pm 0.01\%$ $\pm 2\text{mV}$ for load change from zero to full load. Ripple & Noise : 1mV rms max. 20Hz - 20MHz 3 Digit DPM, Auto AC/DC Amp.Selection	5 Nos.	20,000	1,00,000
2	DC Fixed voltage Power supply +12-0-12V & +5-0-5V / 3Amp : DC Regulated (Variable) Power Supply (0-32 V, 0-2A), Regulation : Line : $\pm 0.01\%$ $\pm 2\text{mV}$ for $\pm 10\%$ change in line output. Load : $\pm 0.01\%$ $\pm 2\text{mV}$ for load change from zero to full load. Ripple & Noise : 1mV rms max. 20Hz - 20MHz 3 Digit DPM, Auto AC/DC Amp.Selection	4 Nos.	15,000	60,000
3	Digital Multimeter (DMM) Auto AC/DC Volts/Amp.Selection : Basic DC Volts Accuracy 0.5% DC Voltage measurement 400.0mV to 600V AC Voltage measurement 400.0mV to 600V DC Current measurement 3.00mA to 10.00A AC current measurement 3.00mA to 10.00A Resistance measurement, Capacitance measurement Diode and Continuity Testing Frequency measurement 100.0Hz to 400.0kHz	10 Nos.	2500	25,000

	<p>Selection of input resistance for voltage measurement Overload warning, Hold Function facility Automatic/manual measuring range selection.</p>			
4	<p>Universal Programmer for Microcontroller with USB connectivity : USB 2.0 for much faster programming , 40 Pin ZIF socket with universal pin-drivers. USB Interface so programmer can be used with LAPTOPS, PC, PS/2 or compatibles , Accepts most compiler outputs in JEDEC format including ABEL, CUPL, PALASM, TANGO PLD, Or CAD PLD, PLD, Manages 16 and 32-bit word split (Set Programming) , Universal DIP, PLCC, QFP, TSOP, PSOP, SOIC, SSOP, SDIP adapters available up to 44-pin , Auto-run mode starts programming automatically on detection of chip insertion , Super programming speed. Supports Windows Vista/XP/2000/NT/Win 7 (32 and 64-bit).</p>	2 Nos.	10,000	20,000
5	<p>DTH Trainer Kit ...With inbuilt power supply : 1. Power supply : 200V to 240v AC, 50Hz. 2. Dish Antenna : 1.5' Aluminum steerable. 3. LNB (Low Noise Block down converter) Input frequency : KU band. Output frequency : 950 to 1450 MHz. Conversion gain : 65 dB. Noise Temp : 35 degree K max. 4. SETTOP BOX Receiver in Trainer Form IF frequency : 70 MHz. Video Bandwidth : 50 Hz to 5 MHz.Video output level : 1 Vpp. (at 75 ohm load) Audio sub carrier frequency : Tunable from 5.0 to 8.0 MHz 5. Uplink satellite : INSAT 4A 6. Controls : Channel selecting, Volume,</p>	1 No.	10,000	10,000
6	<p>Single phase fully controlled Rectifier with R/RL Load ...With inbuilt power supply and connecting patch chord : ...With inbuilt power supply and connecting patch chord Input Voltage : 110 V AC, Output Current : 2A Input Frequency : 50Hz, Firing Angle Variation : 0-180 degree Innbuilt power supply for converter, Inbuilt Lamp Load Inbuilt triggering circuit.</p>	2 No.	8,000	16,000
	<p>Single phase Half controlled Rectifier with R/RL Load ...With inbuilt power supply & connecting patch chord : ...With inbuilt power supply and connecting patch chord Input Voltage : 230 V AC, Output Current : 2A</p>	2 No.	8,000	16,000

	<p>Input Frequency : 50Hz, Firing Angle Variation : 0-180 degree Innbuilt power supply for converter, Innbuilt Lamp Load Innbuilt triggering circuit.</p>			
7	<p>SCR Step down chopper. ...With innbuilt power supply and connecting patch chord : ...With innbuilt power supply and connecting patch chord Kit Working voltage : (220-240)VAC Input Voltage : (0-30)VDC, Output Current : 2A Input Frequency : 50Hz, Frequency : Wide Range All the important points are terminated with banana connector for monitor/measure/ study the signals using any one of measuring equipment</p>	2 No.	8,000	16,000
8	<p>SCR Step Up chopper. ...With innbuilt power supply and connecting patch chord : ...With innbuilt power supply and connecting patch chord Kit Working voltage : (220-240)VAC Input Voltage : (0-30)VDC, Output Current : 2A Input Frequency : 50Hz, Frequency : Wide Range All the important points are terminated with banana connector for monitor/measure/ study the signals using any one of measuring equipment.</p>	2 No.	8,000	16,000
9	<p>SCR Series Inverter ...With innbuilt power supply and connecting patch chord : í With innbuilt power supply and connecting patch chord Potentiometer is provided to change the Inverter output frequency. 555 IC based PWM generation, Separate Innbuilt Power Supply for Triggering Pulse and Inverter Circuit, Innbuilt Resistive Load. 2 noø of 1:1 Pulse transformers are used for isolated triggering of SCR. Kit Working voltage :(220-240)VAC Input Voltage :30 VDC, Output Voltage :30 VAC Output Current :1 Amps, Output Frequency :0- 200Hz.</p>	2 Nos.	8,000	16,000
10	<p>SCR Parallel Inverter ...With innbuilt power supply and connecting patch chord : í With innbuilt power supply and connecting patch chord Potentiometer is provided to change the Inverter output frequency. 555 IC based PWM generation, Separate Innbuilt Power Supply for Triggering Pulse</p>	2 No.	8,000	16,000

	and Inverter Circuit, Inbuilt Resistive Load. 2 no of 1:1 Pulse transformers are used for isolated triggering of SCR. Kit Working voltage :(220-240)VAC Input Voltage :30 VDC, Output Voltage :30 VAC Output Current :1 Amps, Output Frequency :0- 200Hz.			
11	SCR Force Commutation Methods(Class A, B,C,D) ...With inbuilt power supply and connecting patch chord : 1 With inbuilt power supply and connecting patch chord Potentiometer is provided to change the Inverter output frequency. Separate Inbuilt Power Supply for Triggering Pulse and Inverter Circuit, Inbuilt resistive, Inductive load. 2 no of 1:1 Pulse transformers are used for isolated triggering of SCR. Kit Working voltage :(220-240)VAC Input Voltage :30 VDC, Output Voltage :30 VAC Output Current :1 Amps, Output Frequency :0- 200Hz.	1 No.	8,000	8,000
12	Digital Trainer Kit with Bread board, Inbuilt Power supply . with I/O LEDs, on board clock pulse : with Bread board, Inbuilt Power supply . with I/O LEDs, on board clock pulse .	10 Nos.	6,000	60,000
13	32 Bit Arm-7 Processor Trainer : Processor: LPC 2478, ARM-7 TDMI controller, ADC 7492 12 Bits parallel Interface, DAC 8512 12 Bit, LCD/TFT 128X64 LCD Display, TFT Optional, Keyboard 4X4 matrix multifunctional keyboard, Relay 5V SPDT mechanical Relay, Memory Flash 2Mx16 parallel SDRAM, SD Card Micro SD Card.	2 Nos.	25,000	50,000

- Quantity of above equipments will be purchased as per availability of funds and all purchase process may be cancelled if funds will not be received by the head office.

TERMS AND CONDITIONS

- 1) The bid/quotation should be submitted in two bid format.
- 2) The first envelope will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.
 - A) Covering Letter for tender on the company letter head mentioning official address, Contact No, e Mail address and website (if available) address.
 - B) GST registration certificate/ Number
 - C) GST Clearance Certificate/ GST Challan for last quarter of the financial year.
 - D) Authorization/ Distributorship certificate from manufacturer. Proof of permission to manufacture the equipment/ item mentioned in the quotation from competent authorities (to be submitted if the bidder is not a manufacturer).
 - E) Technical literature / leaflet of the make and model no of equipment quoted.
- 3) Additional document may also be asked by undersigned for confirming the details.
- 4) The second envelope will contain the financial bid in which the all-inclusive rates F.O.R. Destination will be written and signed with the stamp of the establishment in the following format.

Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned.
1				
2				

Date -
Place -

(Signature)
Rubber Stamp of Organization

- 5) The two envelopes should be sealed with a mention of the type of envelope (technical/ Financial), Reference No., due date and Date of opening the quotation on the front side of the envelope. These two envelopes should be sealed in a third envelope by giving heading “**Quotation for supply of equipments- Eletronics & Tel. engineering department**” and writing complete address of the undersigned.
- 6) On the quotation opening day, first envelope will be opened at first and documents (mentioned in condition No. 2 of this letter.) will be checked by the Purchase Committee. Second envelopes will be opened only for those suppliers which have sent the complete documents in first envelope mentioned in condition No. 2 of this letter.
- 7) **The quotations should reach the undersigned on or before 07/02/2018 at 5:30 pm.**
- 8) The material will be checked at this institute.
- 9) No extra charges will be paid for cartage, packing etc. for the material rejected and replaced.
- 10) **Quotations will be opened on 08/02/2018 at 3:00 pm.**
- 11) Rates should be valid for 6 months from the date of confirmation letter.
- 12) Materials should be quoted for standard makes and minimum pkgs. Delivery to the consignee has to be effected within 4weeks from the date of issue of purchase order. Payment will be released after delivery, successful installation and working trial at the concerned department of this Institute. Advance payments will not be done.
- 13) The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.

Sd/
Principal,
Government Polytechnic, Aurangabad.