



# GOVERNMENT POLYTECHNIC, KHAMGAON

WINNER OF ISTE-NARSEE-MONJEE AWARD-2000

(07263) 56644 (O), 54609 (R), Fax - (07263) 52278

E-mail: [gpolykhamgaon@rediffmail.com](mailto:gpolykhamgaon@rediffmail.com)

Gram:- POLYTECH

No. : GPK /Store/inst purchase/ETX/2019-20/26

Date:02 /01/2020

To,

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## QUOTATION

Sub: Quotation for purchase of equipment

( Due Date 21 /01/2020)

Dear Sir,

Sealed Quotations are invited 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 specification		Quantity required
	Name of the item	Specification	
1.	Development Board With ATMEGA 16	Microcontroller: ATMEGA16 with 11.0592MHz crystal Power: 7 to 15V, AC or DC, Heat sink on 7805 for better current rating with Reverse polarity protection Boot, Reset and Power switches, RS232 serial interface, 10 pin FRC connectors and soldering pads on all ports, Compatible with General purpose prototyping board for development board for stackable design and Application examples with documentation CD	02
2.	Transient Analysis Of RC/RL Circuit Trainer Kit	Experiments:-1-Study the Transient Response of a series RC circuit and Understand the time constant concept with DC power supply 2-Study the Transient Response of a series RL circuit and Understand the time constant concept with DC power supply 3-Study of Transient Response of RC/RL circuit with signal generator Setup Includes :- >Experiment Trainer Board that Contains:- 1.Power Supply : 5 V DC 2.Signal Generator : 100 Hz 3.Various test point >Connecting Patch Cords >Product tutorials	02
3.	Transient Analysis Of RLC Circuit Trainer Kit	Experiments:- Study the transient response of series of RLC circuit with TTL for under damped, critically and over damped cases	02

		<p>Setup Includes :-</p> <ul style="list-style-type: none"> <li>&gt;Experiment Trainer Board that Contains:-</li> <li>1.Signal Generator : 100 Hz</li> <li>2.Potentiometer : 100 K</li> <li>3.Various test point</li> <li>&gt;Connecting Patch Cords</li> <li>&gt;Product Tutorial</li> </ul>	
4.	Solar PV Characterization Kit	<p>Trainer kit for Identifying and measuring the parameters of a solar PV module in LAB, Series and Parallel Connection of PV modules, Estimating the effect of sun tracking on energy generation by solar PV modules, Voltage :12V Power:50 watt With user manual</p>	02
5.	Trainer Kit For Anemometer For Wind Speed Measurement	<p>Start wind speed (m/s) 0.4 – 0.8 Effective measurement range 0-30m/s Transmission distance (m) &lt; 700 Max Wind Speed 70m/s</p>	01
6.	Synchro As Error Detector Kit	Synchro As Error Detector Kit	01
7.	Trainer Kit For Transformer Coupled Amplifier Using Transistor	<p>On board test points to observe Input and output signals On board schematic diagram Flexibility of making circuit connections Lightweight &amp; compact product tutorial</p>	01
8.	Trainer Kit To Verify Nortons And Theveniens Theorem	<p>On board schematic diagram Flexibility of making circuit connections Provision of applying input and taking output with External power supply to trainer</p>	02
9.	Trainer Kit To Determine Z,Y,ABCD Parameters Of Transmission Line	<p>On board schematic diagram Flexibility of making circuit connections Provision of applying input and taking output with External power supply to trainer</p>	02
10.	Trainer Kit To Verify KVL And KCL	<p>Experiments:-</p> <ul style="list-style-type: none"> <li>1-Verification of Kirchhoff's current law</li> <li>2-Verification of Kirchhoff's voltage law</li> </ul> <p>Setup Includes :-</p> <ul style="list-style-type: none"> <li>&gt;Experiment Trainer Board that Contains:-</li> <li>1.Power Supply : + 12 V DC</li> </ul>	02



		2.Digital Ammeter : 2 $\mu$ A to 200 mA 3.Various test point >Connecting Patch Cords >Product Tutorial	
11.	Data Acquisition Card	NV63X series DAQ are useful for sensing and controlling Analog and Digital signals of any process control application. For ease of connection they have screw terminals. All can change the operation of particular pins as per requirements. They are available with either a USB interface Data Card Includes following specifications:- 1.Digital inputs : 16 2.Digital Outputs : 16	02
12.	PID Controller Trainer Kit	Square and triangular wave with variable frequency for testing PID Proportional, Integral and Derivative functions can be checked on same board, Variable DC for set point, In built power supply Built-in 3½ DVM for DC measurement Manual describing working of along with detailed experiment descriptions	02
13.	Trainer Kit For Speed Control Of AC/DC Motor With VFD	Demonstration type trainer	02
14.	DTH System Trainer	Compact design Comprehensive learning solution on DTH Functional block diagram indicated on main board Manual & Remote Control operation Composite Video output and RF output Fault creation and diagnosis Online Product Tutorials	02

### TERMS AND CONDITIONS

- The bid/quotation should be submitted in **two bid format**. ( Technical bid & Commercial Bid)
- **The first envelope( Technical Bid) will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.** It is mandatory to the suppliers to submit following documents without which your quotation will not be considered.
  1. Covering Letter for tender on the company letter head mentioning official address, Contact No, e Mail address and website (if available) address etc.
  2. Registration letter of suppliers establishment ( company/ organization)
  3. GST registration certificate/ Number
  4. GST Clearance Certificate/ GST Challan for last quarter of the Financial year.(Paid up to July 2019)
  5. 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). *Desired*
  6. Technical literature / leaflet ( manufacturer /supplier) of the make and model no of equipment quoted.
  7. Under taking by supplier confirming quality of Equipment / Machinery
  8. Under taking by supplier towards supply of equipment within prescribed date / period and post sales services.

(Additional document may also be asked by undersigned for confirming the details.)
- **The second envelope will contain the financial ( or Commercial) bid** in which the all-inclusive rates / taxes/GST etc & 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.
	Name of the item	Specifications			

Date -

Place -

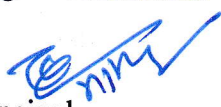
(Signature)

Rubber Stamp of Organisation



### ***Important Instructions***

- The two envelopes should be sealed with a mention of the type of envelope (technical / commercial or Financial), Reference no., 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 " **Electronics & Communication Engg Department Equipment**" and writing complete address of the undersigned as below. (Address :Principal, Government Polytechnic, Khamgaon , Jalamb Road , Khamgaon, Dist : Buldana (M.S.) Pin 444 303)
- The quotations should reach the undersigned on or before dt **21/01/2020**
- The material will be checked at this institute.
- No extra charges will be paid for cartage, packing etc. for the material rejected and replaced if any
- Quotations will be opened at 1.00 AM/ PM on **Date 22/01/2020** at office of the Principal of Institute.
- Rates should be valid for 6 months from the date of confirmation letter.
- Materials should be quoted for standard makes and minimum pkgs.
- Delivery to the consignee has to be effected within **1 week** from the date of issue of purchase order or **on or before the prescribed date (if any)**
- The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.
- The said process is subjected to the necessary approval from higher authorities.

  
Principal

Govt. Polytechnic, Khamgaon

- Copy to : 1) Hon. Director ,Directorate of Technical Education M. S. Mumbai for information please. It is requested to do needful for uploading the same on website as per instructions issued.
- 2) Hon. Joint Directorate of Technical Education Amravati Region, Amravati for information please. It is requested to do needful for uploading the same on website as per instructions issued.
- 3) Head of Electronics Department for information and n a
- 4) Suppliers as list attached herewith through email and by post
- 5) Shri Ambatakar , programmer through Registrar , Govt. Polytechnic , Khamgaon for uploading on Institute website.
- 6) Institute Notice Board