



GOVERNMENT POLYTECHNIC, KHAMGAON

WINNER OF ISTE-NARSEE-MONJEE AWARD-2000

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Gram:- POLYTECH

No.: GPK/EQP/inst purchase/MED/2018-19/3296

Date: 05/12/2018

By post / email

To,

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QUOTATION

Sub: Quotation for purchase of equipment / furniture.

(Due Date 02/01/2019 & Date of Opening : 03/01/2019)

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	Approximate cost per unit (Inclusive of GST) (Rs.)
	Name of the item	Specification		
1	Mcleod Gauge	Mcleod Gauge Test Ring , Range 0 to 50 microns accuracy - + 0.05%, Liquid charge – Approximately 100 to 120 CC including 6 CC of mercury	1	46000
2	Bernolli's Theorem Application	Manometer Range 0-400 MN, No of Manometric Tube 07, Test Length : 200 MN circular, acrylic Bar Upstream Size : 35 MN Dia Throat Diameter 22 MN DIA.	1	24000
3	Cut Section Model of Hermetically Sealed Compressor	Cut Section Model of Hermetically sealed Compressor cut section model of standard size used in technical education systems	1	6000
4	Cut Section Model of Split Air-Conditioner	Cut section model of split air conditioner Cut section model of standard size used in technical education systems.	1	8000
5	Stroboscope	Stroboscope Display 5 digits, circuit exclusive one chip design microprocessor, unit of	1	18000

		measurement FPM, Operating temperature 0 to 500 C, Operating Humidity – Less than 80 % RH Power Supply AC (100 to 240V) & DC (9V) with adapter of 3A Battery – DC 1.2 V NI-MH Built Up with chargeable unit , Flash Tube – Replaceable of xenon lamp Stroboscope flash rate 100 to 15000 flashes per minute. Flash duration 60 To 1000 Microseconds accuracy - + 0.05% resolution 0.1 FRM/RPM		
6	Temperature Trainer Kit	Temperature Trainer Kit trainer kit consisting of bimetallic strip, thermometer, thermistor & Thermocouple	1	20000
7	Pyrometer	Pyrometer, Temperature range : -40 to 9000C, Temperature reolution – 0,10C spectral range – 8 to 14 uM, optical revolution- 0.10C, Spectral Range 8 to 14 uM, Optical resolution – 22:1, System Accuracy - +10C, Response time – 150 MS, Power Supply 8 to 30 V DC with maximum current 100 MA relative humidity : 10- 95% Non-condensing..	1	10000
8	Strain gauge trainer (strain/force measurement)	Net dimensions (assembled): 720 mm high x 760 mm wide x 520 mm front to back Net weight (including Strain Display and Weight Sets): 27.5 kg Packed weight: 41.5 kg Packed volume: 0.16 m3 Sets of masses: The large mass set gives weights from 0.5 kg to 10 kg in a range of units. The small mass set gives weights from 10 g to 500 g in 10 g units. Dummy resistors: Set of three plugs fi tted with high accuracy resistors that match the strain gauges Electrical supply: 100 VAC to 240 VAC, 50 Hz to 60 Hz	2	10000

		<p>with earth</p> <p>Strain display: Multiline display that shows:</p> <ul style="list-style-type: none"> • Bridge output voltage (micro-volt) • Strain reading in micro-strain (me) • Active arms (gauges) • Gauge factor <p>Strain systems:</p> <ul style="list-style-type: none"> • Bending system: Four standard gauges fitted to a given datum on a steel beam, fixed as a cantilever. Nominal beam cross-section is 5 mm x 20 mm. • Torsion system: Two sets of identical 45-degree shear/torque strain gauge rosettes fitted to a torsion bar. Nominal bar diameter is 10 mm. • Tension system: Two sets of identical 90-degree 'Tee' strain gauge rosettes fitted to a tensile test specimen. Steel specimen supplied as standard. Nominal tension specimen cross-section is 2 mm x 10 mm. 		
9	Rotameter trainer for flow measurement		2	10000
10	Temperature measurement and control using thermocouple kit	<p>Model UITM-151 [U-tube Manometer Sensor] UITM-152 [Differential Pressure Sensor]</p> <p>Orifice:</p> <ul style="list-style-type: none"> • Orifice plate embedded between two metal tubings. • UITM-151-U tube manometer with Mercury filled. • UITM-152-Differential type piezo resistive pressure sensor. <p>Flow Rate: 60 to 600 LPM Rotameter : 60 to 1700 LPM Acrylic body. Rotameter for known flow measurement. Pump: FHP Manoblock. Water Tank : SS tank of capacity 25 liters for water storage and circulation for UITM-152 Display : 3½ digit to</p>	2	12500

		<p>read ± 1999 counts.</p> <p>Power Supply: 230V \pm 10% @50 Hz</p> <p>Inductance : Copper wire wound on a babin with MS core moving inside.</p> <p>Displacement: 20mm</p> <p>Power Supply: Necessary cable provide</p> <p>Accessories: Aluminium Housing with core moving on a graduated scale</p>		
11	Flow measurement using optical transducer		2	12500

(Note: Please note the terms and conditions mentioned below)

TERMS AND CONDITIONS

- The bid/quotation should be submitted in **two bid format**. (Technical bid & Commercial Bid)
- **The first envelope 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.
 2. Registration letter of supplier's establishment (company / organization)
 3. EMD in this regard (3% of the quoted cost or Re. 5000 whichever is minimum) to be paid in the form of DD in favour of Principal, Govt. Polytechnic, Khamgaon OR Exemption certificate from competent authorities, if exemption is claimed.
 4. GST registration certificate / Number.
 5. GST Clearance Certificate / GST Challan for last quarter of the financial year. **(Paid up to July 2018)**
 6. Authorization / Distributorship certificate from manufacturer. Proof of permission to manufacture
 7. The equipment / item mentioned in the quotation from competent authorities. (to be submitted if the bidder is not a manufacturer)
 8. Technical literature / leaflet of the make and model no of equipment quoted.
 9. Undertaking by supplier confirming quality of Equipment / Machinery.
 10. 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 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 (Rs.)	All inclusive cost for quantity mentioned. (Rs.)
	Name of the item	Specifications			

Date -

(Signature)

Place -

Rubber Stamp of Organization

Important Instructions

- The two envelopes should be sealed with a mention of the type of envelope (technical / 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 **“Mechanical Engg. Department Equipment”** and writing complete address of the undersigned. (Address: Principal, Government Polytechnic, Khamgaon, Jalamb Road, Khamgaon, Dist: Buldana, (M.S.), Pin 444 303.
- **The quotations should reach the undersigned on or before date 02/01/2019**
- The material will be checked at this institute.
- No extra charges will be paid for cartage, packing etc. for the material rejected and replaced.
- Quotations will be opened at 3.00 ~~AM~~ PM on date **03/01/2019** 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 Mechanical engineering Department for information and n a . Verify specification and cost of items.
- 4) Suppliers as list attached herewith
- 5) Shri. Ambatar, Programmer, GP Khamgaon, for uploading on Institute website.
- 6) Institute Notice Board.