



No.GCOEARA/Store/2019/ 4465

Date :
19 DEC 2019

QUOTATION

Sub: Quotation for purchase of equipment.(for Mechanical Engineering)
(Due Date 31.12.2019)

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	Estimated cost
1	Experimental Verification of Flexural formula Load –variable load applying capacity (5-10 different load) Display-Digital Strain measuring device Different end conditions for beam-Simply supported, cantilever and fixed at both end. Voltage: 230 V Frequeency: 50 Hz	1	100000
2	Rotary Encoder Trainer- Transducer : Optical Rotary encoder.Pulses per revolution : 360 or more.Outputs : ΦA , ΦB and ΦZ . Circuit : Variable DC source for motor, selection of angular & RPM measurement, conditioning circuit and digit display. Readout : 4 digit digital readout for Angular displacement in degrees & Speed measurement in RPM. Test points : Multicolored test points to be provided at various stages in the circuits to observe the waveforms and voltages. General Details; Parameters Measured : Angular displacement with clockwise, anticlockwise Indication. RPM measurement. Measurement system : Rotary encoder coupled with motor and Transducer with electronic instrumentation	1	50000
3	Principle : DC Position Servo System. Displacement : Angular (0 deg to 270 ded or more). Input Transducer : Command or master potentiometer with calibrated dial (0 deg to 270deg or more) Motor : bi - directional, geared, permanent magnet armature controlled DC motor. Coupling : Suitable coupling of motor to output re - balance potentiometer. Amplifiers : Summing amplifier of adjustable gain pre - amplifier and power amplifier for driving DC on basis of error signal. Amplifier Gain : Controlled by the Voltage signal derived by the conversion of the output position of rebalance potentiometer into voltage signal. Output : Slave dial coupled to the servo mechanism and mounted with calibrated dial. Controls : 1. Master or command potentiometer. 2. Potentiometric for zero adjustment. 3. Potentiometric for span adjustment to adjust the minimum (lower limit) & maximum (upper limit) of angular displacement. 4. Potentiometric for gain adjustment. 5. Servo Motor ON / OFF control. 6. Mains ON / OFF. Indicators : 1. Nullmeter (Digital 3.5 Digit) 2. Servo Motor ON / OFF. 3. Mains ON / OFF. Power Requirements : 230V, \square 10% AC, 50Hz, 1ph	1	20000

TERMS AND CONDITIONS

- The bid/quotation should be submitted in two bid format.
- The first envelope will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.
 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 certificate.
3. GST registration certificate/ Number
4. GST Clearance Certificate/ GST Challan (Up to 31.07.2019)
5. Specification of Equipment. Technical literature / leaflet of the make and model no of equipment quoted .
6. After delivery quality conformance undertaking of equipment/machinery
7. 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).

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	All inclusive cost for quantity mentioned.
1.				

Date -
Place -

(Signature)
Rubber Stamp of organisation

- 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 _____" and writing complete address of the undersigned.
- The quotations should reach the undersigned on or before dt. 31.12.2019-
- 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 11 AM on date.02.01.2020
- 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 4weeks from the date of issue of purchase order.
- The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.

(Dr. A.S. Pant)
Principal

Govt. College of Engineering & Research,
Awassari khurd

Copy to-

- 1) Director Technical Education- Request to publish enquiry on website
- 2) Joint Director Technical Education, Pune- Request to publish enquiry on website
- 3) HOD- Computer Engineering for display on College Website
- 4) Notice Board.