

College of Engineering Trivandrum, Thiruvananthapuram
NOTICE INVITING TENDER

P1/5718/21/CET

01.10.2021

Tender No. : **12/2021/P1/CET/ME**
E Tender id : 2021_DTE_442247_1
Superscription : Purchase of Data acquisition System in Heat Engine Lab, Mechanical Engineering Department
Last date and time of receipt of tender on the website (www.etenders.kerala.gov.in) : 25.10.2021 3 p.m.
Date and time of opening of tender : 27/10/2021 11 a.m.
Date upto which the rates are to be firm : 27/04/2022
Tender Cost : Rs.944/-(Rs800 +18%GST)
EMD required : Rs.4000/-
Address of the Officer to whom hard copy is to be send. : THE PRINCIPAL, COLLEGE OF ENGINEERING TRIVANDRUM, THIRUVANANTHAPURAM-695016, KERALA
GSTIN:32AAAGC0358L1ZP

Specifications are attached as Annexure

General conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. The item should have a minimum warranty of 3 years
4. Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
5. The item should be supplied at Heat Engine Lab of Mechanical Engineering Department of this institution
6. Agreement as per NIT 2 in Rs.220/- Kerala Stamp Paper and tender form should be uploaded.
7. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
8. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
9. Only GST registered firms can participate in the Tender. GST number must be mentioned. The firm under composition scheme must mention the words "Composition taxable person" in their documents and should submit proof for that.
10. After E-Tendering the hard copy of documents should be submitted before the opening date.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0471 2577088, 0471 2577188, 0471 257388, 0471 2515760, 9400751935

Sd/-
PRINCIPAL

SI No	Item	Specification	Qty
1	Data Acquisition System	<ol style="list-style-type: none"> 1. Power supply-230 \pm10% VAC , 47-53 Hz, Single Phase. 2. Read/write speed-95/s 3. Resolution-100uV, 0.2uA 4. Settling time-1 ms to 0.01% of output 5. DC voltage range 100mVto 300V. 6. DC current 1μA to 1A 7. AC voltage range 100mV to 300V. 8. AC current range 100μA to 1A 9. DAC (output & read back accuracy) <ol style="list-style-type: none"> a. Voltage-\pm 0.027% of output + 4.4 mV b. Current-\pm 0.115% of output + 4.4 uA 10. Resistance range 100Ω to 1000MΩ. 11. Measurement parameters required: voltage and current (AC/DC) resistance, frequency, period, temperature (RTD, thermistor & thermocouple), strain. 12. No of slots: 3 13. Connections: 2 wire and 4 wire. 14. A/D resolution: 22 bits 15. Interface: USB and LAN. 16. Multiplexer : Number of channels-20 Channel Multiplexer (2/4-wire),compatible with above DAS. Each channel should be configurable to support different types of sensors. Built in cold junction compensation. 	2

Terms and Conditions:

1. Minimum three year onsite warranty to be provided for Data Acquisition Systems.
2. Prices quoted should be inclusive of all taxes, freight charges, loading and unloading charges, packaging, installation, commissioning and demonstration.
3. Details of the list of institutes to which equipments were supplied previously should be furnished while quoting/tendering.

Sd/-

Principal