

Indian Institute of Technology Kanpur

Department Mechanical Engineering

Enquiry for four channel data acquisition module along with its chassis

Enquiry Number: IITK/ME/ML/2016-17/DAQ1

Original Enquiry date: 28-04-2016

Original Closing date: 08-05-2016 (5 pm)

Extended closing date: 17-05-2016 (5 pm)

Sealed quotations (in two separate envelopes marked separately as "Technical Bid" and as 'Financial bid' are invited as per the specifications and terms and conditions listed below.

Please provide quotations for one unit each of the data acquisition module and one unit of its chassis.

Specifications:

Specifications for the data acquisition module

- Number of channels: 4
- 51.2 kS/s per channel maximum sampling rate; ± 5 V input
- 24-bit resolution; 102 dB dynamic range; anti-aliasing filters
- Software-selectable AC/DC coupling; AC-coupled (0.5 Hz)
- Software-selectable IEPE signal conditioning (0 or 2 mA)
- Smart TEDS sensor compatibility
- Connectivity: BNC
- -40 °C to 70 °C operating range, 5 g vibration, 50 g shock
- Compatible with Graphical Programming Language
- Should have Signal Conditioning in the form of Anti-aliasing filter and Current excitation

Specifications for the chassis for the data acquisition module:

- Four 32-bit general-purpose counter/timers built in (accessible through digital module)
- Compatible with more than 50 hot-swappable I/O modules with integrated signal conditioning
- Stream continuous waveform measurements with patented NI Signal Streaming technology
- Should be bus powered and USB compatible
- Compatible with DAQmx

Terms and Conditions:

- Maximum education discount, if any should be offered
- Validity of quotation should be at least for 60 days
- The price quoted should be for delivery at Kanpur.
- Terms and conditions for the payment, including the banker's name of the principal and the account number
- Proprietary certificate, if relevant, should be provided.
- Delivery must be within 4 weeks from issuance of purchase order/indent
- The institute reserves the right of accepting and rejecting any quotation without assigning any reason.
- The indenter reserves the right to cancel the tender without being answerable.
- The Technical Bid should contain detailed technical specification of the product being offered and should not mention any price.
- The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges.

Kindly submit the Technical and Financial bids in sealed envelopes addressed to:

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