

**DEPARTMENT OF MECHANICAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY - DELHI  
HAUZ KHAS, NEW DELHI – 110016**

Sealed quotations are invited for the purchase of a DATA ACQUISITION SYSTEM. Interested parties are requested to submit their technical and financial bids in separate sealed envelopes. Mark the envelopes clearly as “Technical bid” and “Financial bid”. Both the sealed envelopes should be sent in a single envelope, clearly marked as “Quotations for Data Acquisition System.”

The technical specifications of the data acquisition system are as follows:

**Specifications:**

The data acquisition system must be modular in nature.

1. The system should have USB connectivity for easy interface with the computer
2. **Minimum number of channels** and parameter should be measured/ output signals required are given below:
  - 80 channels for temperature measurement using thermocouples (Each module must have combined signal conditioning and data acquisition capabilities. For example the temperature measurement module for thermocouples should have inbuilt signal conditioning techniques like cold junction compensation, amplification, linearization, filtering etc.)
3. The resolution of the ADC( Analog to Digital Converter) should be minimum 24 bits
4. A software to configure and control test and display results should be provided.
5. The thermocouple measurement module must be able to measure at least 100 samples/second/channel to ensure highly sensitive signals are recorded. The module should also have 250Vrms channel to earth ground safety isolation.

**Terms and conditions:**

1. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information: (a) Shipping details i.e. Master Airway Bill No. And House Airway No. (if exists) (b) Forwarder details i.e. Name, Contact No., etc. Custom Duty Exemption Certificate will be issued to the shipment in the name of Institute and Bills of Entry should be submitted to IIT Delhi later on.
2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. Imported items should be quoted on FOB basis (Freight on Board) and FOB price be provided.
4. Three years comprehensive warranty be provided and AMC price beyond 3 years should be mentioned separately.
5. Delivery period: within one month from the date of supply order.
6. The quotations must have validity of at least three months.
7. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.

8. If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed. Similarly, proprietary certificate for proprietary items should be provided.
9. Authorities of IIT Delhi reserve the right to reject any or all quotations without assigning any reasons.
10. The quotation should provide the total price of the system including all taxes and transportation charges.
11. Price should be quoted in the US dollar
12. Payment will be made only after successful installation and verification of technical details.

Kindly submit your bids on or before 6.9.2013 to the address given below.

Dr.B.Premachandran,  
Assistant Professor,  
Department of Mechanical Engineering,  
Indian Institute of Technology Delhi,  
Hauz Khas,  
New Delhi – 110 016.