

**DEPARTMENT OF ELECTRICAL ENGINEERING
FACULTY OF ENGINEERING & TECHNOLOGY
JAMIA MILLIA ISLAMIA, NEW DEHLI-110025**

Second NOTICE Inviting Quotations

Enquiry No.: W02/2011

Date: 01-02-2011

Due Date: 14 February 2011 (05:00 pm)

Quotations are invited on behalf of the Head, Department of Electrical Engineering, Faculty of Engineering & technology for the purchase of the article mentioned below. Please send your quotation in sealed cover duly superscribed with our enquiry no. and due date on the cover so as to reach this office on or before the due date mentioned above.

PLEASE NOTE:

1. Against the name of material in your quotation please indicate the serial item nos. as shown in our enquiry.
2. Complete the specification with manufacture's name and address should be given while quoting. Offers for stores vaguely described, as "best Indian make are liable to be ignored. While sending the quotation Literature /pamphlets should also be enclosed wherever available.
3. Samples, if called for, shall be submitted free of charge and we shall not be answerable for the loss or damage due to any reason whatsoever.
4. The Bidder should be an Authorized Dealer having a direct purchase support agreement with the OEM. Proof of the same is to be enclosed.
5. The Bidder should be Authorized Service Provider of the components.
6. Details & proof of Technical support and Service to be attached.
7. The Bidder should have an experience of more than three years in the area of DAQ systems.
8. Purchase orders of customers where the components have been installed during last two years is to be enclosed, along with the full address, e-mail IDs, telephone numbers and fax numbers of the customers.

List of Equipments with Specifications:

1. Dedicated Data Acquisition System with USB port supported DAQ system with following specifications:

- A) 16 analog input channels, 16 bit resolution, sampling rate ≥ 200 ks/s ,
- B) 2 analog output channels, 16 bit resolution, sampling rate ≥ 600 ks/s ,
- C) 16 digital I/O
- D) 2 counters.
- E) 60 I/O Connector box with EPM shielded cable of 1 m length.

2. Testing Hardware: The measurement set up consists of the following system (one unit each)

- A) Load cell with signal conditioning
- B) Strain gauge with signal conditioning
- C) Displacement measurement with LVDT with necessary signal conditioning
- D) Fluid flow measurement using resistive sensor
- E) Optical object sensor
- F) RTD temperature sensor with signal conditioning system for compensating nonlinearity, lead error.
- G) Thermistor temperature sensor with signal conditioning for nonlinearity and self heating error.
- H) AC and DC voltage transducer.
- I) DC current transducer.
- J) Phase angle measurement.
- K) Microcontroller based reconfigurable signal conditioning kit

3. DAQ software

Software for operating, monitoring and representing the measured data in different forms. The software must be compatible with LABVIEW, MATLAB and VC++.