Department of Civil Engineering wishes to purchase a digital Data Acquisition System and Software as per the specifications given below. Technical & Commercial bids (in two separate sealed envelopes marked - Quotation for Data Acquisition System & Software) should reach the address at the bottom by 5-00 PM on 26-01-2012.

Data Acquisition (DAQ) System Specifications:

- The data acquisition system should be able to handle ultrasonic signals used for non-destructive testing of solids with typical frequencies of 250 kHz.
- The acquisition system should have sensitivity to acquire ultrasonic signals with voltage ranging between a few millivolts to few volts.
- The acquisition system should have an embedded controller with the following configuration:
  a) configuration of about 2 GHz with Intel dual core processors  
  b) 2 GB 800 MHz RAM;  
  c) 80 GB (or greater) hard disk space  
  d) Ethernet port, at least 2 hi-speed USB ports, serial, GPIB and other I/O  
  e) embedded 32 bit Windows 7 OS with installed drivers for seamless functioning.
- The digital sampler unit should have sampling frequency of about 2 MHz or above. The channels should be compatible with BNC input cables from the ultrasonic transducers.
- Minimum number of input channels =2
- If system does not carry BNC connectors, a proper intermediate noise resistant connector system should be provided for communication with BNC input and output cables.
- A compact chassis should be provided to accommodate the controller and the data acquisition module.
- A programmable software should be included that can be installed in the controller and used for seamless data acquisition with the hardware.

Terms & Conditions

- A compliance sheet in tabular form should be provided by the vendor showing that the instrument clearly conforms to the above mentioned specifications. If a compliance sheet is not furnished, the bid would be subject to rejection.
- Please quote prices at FOB basis in case of prices in foreign currency.
- Quotations in Indian rupees shall clearly mention installation & Delivery charges.
- Quotation should be valid for three months.
- A minimum of 1 year comprehensive warranty of the equipment is required.
- Payment will be released after installation as per Institute rules.
- Order must be delivered and installed within 4-6 weeks of receipt of order.
- Institute reserves the right to accept/reject any or all quotation without assigning any reason.
Name and Address for quotations

Dr. Abhijit Ganguli
Civil Engineering Department,
Room No. 211, Block No. IV