Notice Inviting Quotations

Subject: Procurement of Signal Conditioning Amplifier

Quotations are invited in a sealed envelope for Signal Conditioning Amplifier having the following specifications:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Specifications</th>
<th>Qty</th>
</tr>
</thead>
</table>
| 1      | Signal Conditioning Amplifier| Input Type: Strain Gages Quarter, half or full bridge (50Ω to 1000Ω), Built-in 120Ω and 350Ω dummy gages; 1000Ω dummy capability  
Transducers: Foil or piezoresistive strain gage types  
DCDT displacement transducers, Potentiometers  
Selectable Bridge Excitation: Voltage (0.7 to 15 V DC in discreet steps)  
Current: 0 – 100mA min, max. limited to 175 mA  
Calibrated Gain: Fully adjustable from 1 to 11000  
Strain Gage Bridge completion: Built-in along with 120 Ohm, 350 Ohm and 1000 Ohm dummies  
Dual range (±5000 με and ±25,000 με) automatic electronic bridge balance, with back-up power to preserve the balance for months, without the supply of external power.  
Dual polarity two-step double shunt calibration  
Slew Rate: 7.5 V/μs or higher  
With playback mode to observe the pre-recorded data.  
And two simultaneous buffered outputs  
(Imp. Note: It should be compatible with NI data acquisition card NI PXI-6115) | 2 no. |
| 2      | Enclosure                    | Portable enclosure for mounting both the signal conditioning amplifiers  
With complete AC wiring  
Power Supply: 230 V AC, 50 Hz | 1 no. |
Terms and Conditions

1. Please quote prices C.I.F. IIT –D.

2. Quotations must be valid for at least three months from the date of the NIQ and indicate the delivery schedules.

3. A special discount/rebate must be given wherever admissible keeping in view that supplies are being made for research purpose in respect of public institution of national importance, may please be indicated.

4. If the item quoted is proprietary in nature, please enclose a proprietary certificate from the principals.

5. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof. No correspondence regarding acceptance/rejection of quotation will be entertained.

6. Quotation should be received on or before 8.05.2015, 5 PM, and must be addressed to:

(Prof. Naresh Bhatnagar)
Mechanical Engineering Department
Block III, Room No. 178,
Indian Institute of Technology
Hauz Khas, New Delhi - 110016
Email: nareshb@mech.iitd.ac.in
       narbhat@hotmail.com