

Mechanical Engineering Department

April 23, 2015

Notice Inviting Quotations

***Subject: Procurement of Signal Conditioning Amplifier***

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

S. No.	Description	Specifications	Qty
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 ( $\pm 5000 \mu\epsilon$ and $\pm 25,000 \mu\epsilon$ ) 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/ $\mu$ s or higher With playback mode to observe the pre-recorded data. And two simultaneous buffered outputs <b><i>(Imp. Note: It should be compatible with NI data acquisition card NI PXI-6115)</i></b>	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:**

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