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NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH
Taramani P.O., Chennai – 600 113.
(Government of India, Ministry of Human Resource Development)

Ref. No. NITTTR/Mech./DAS/2017-18/

Date: 06.02.2018

To

Delivery required by :
**Department of Mechanical
Engineering, NITTTR
Chennai 600 113**

QUOTATION DUE DATE

- (a) Please send your quotation within the due date on sealed envelope on or before: **Date: 21.02.2018**
(a) Delivery required at : **NITTTR, TARAMANI, CHENNAI -113**

Sl.No.	Description of Items	Quantity
1.	Data Acquisition System with accessories (Specifications in Annexure – I) Note : 1. Mention warranty period for the item 2. Indicate the Reference No. and the last date on the Envelope 3. GST Registration No. must be furnished (Enclose Pamphlets, if any) 4. Vendor charges only @ the rate of 5% as GST	01 Set

Cover should be addressed to:

M. Senthil Kumar,
Asst. Professor, Dept. of Mech. Engg.,
National Institute of Technical Teachers Training and Research,
Taramani P.O., Chennai – 600 113.

(For terms and conditions please see overleaf)

M. Senthil Kumar
06.02.2018
for DIRECTOR

Annexure – I

Data Acquisition System with Accessories

Data Acquisition System with accessories The LXI Compliant 60 Channel Data Acquisition System should be a modular system to record parameters like Voltage, Current, Temperature & Pressure . The system should be configurable as a Data Logger, Data Acquisition System and High Performance Switching Unit. It should be capable of working Stand Alone or be controlled from a Controller.

Measurements

- DC Volts up to 300V with 100nV resolution and 0.004% basic DC V accuracy
- 6 1/2 Digits with 22 bit resolution
- Input Impedance > 10 GOhm in 100mV, 1V & 10V range
- AC Volts True RMS up to 300V with 300 KHz BW
- 2 & 4 Wire Resistance Measurement
- 100 Ohms to 100 MOhms
- Frequency & Period up to 300 KHz
- Temperature Measurement with RTD, Thermistor Thermocouple (B,E,J,K,N,R,S,T)
- DC & AC Current 10mA to 1A directly
- Should have VFD Display with LAN & USB PC Interfaces in addition to Ext Trigger I/P & Alarm O/P.
- Calibration certificates traceable to National / International standards

System Characteristics

- System Speed - >100rdgs/sec
- Scanning Inputs - Analog & Digital
- Scan Triggering - Int, Ext, Manual, Software, on Ch Alarm
- Scan Count - 1 to 50,000 or continuous
- Scan Interval - 0 to 99 hours, 1ms step size
- Alarms - Hi, Lo with 4 TTL Compatible Alarm Outputs
- Memory - 50,000 with time stamp & real time clock
- Maths - Scaling (Mx + B) & Min/Max/Avg
- Relay Maintenance - Should count each relay closure
- Should come with powerful plug & play Logger S/W

MODULE CHARECTERISTICS:

No of Channels: 20 Channels

Scan Speed: 60Ch/sec

Offset Voltage: <3 μ V

Bandwidth: 10MHz

Max Input: 300V

2 separate Current Channels up to 1A with Fuse Protection

Configuration: 2 wire or 4 wire - user selectable

Terms & Conditions

1. The quotation must specify the period within which the supply could be effected from the date of receipt firm orders.
2. Quotation received after the due date mentioned on the reverse will not be considered.
3. Your quotations should be for materials strictly in accordance with the specifications shown. In case you are offering substitutes state clearly the exact specification etc, of the materials offered Drawing sketches or any other technical data should be submitted separately.
4. The prices quoted should clearly specify charges for delivery of the goods to destination indicated overleaf.
5. The prices quoted should include all packing costs and it will be assumed that packing materials (cases etc..) are non-returnable unless otherwise stated.
6. Sales tax or any other taxes if applicable should be shown separately giving the full rate of taxes for each items giving ex-incidence of such levies.
7. The Director reserves the right to accept the whole or part of any quotation without assigning any reason and the lowest or any quotation will not necessarily be accepted, and the Director's decision shall be the final.
8. Samples must accompany the quotation when so specified or within two days when asked for later.
9. If it is discovered that the materials supplied are not exactly according to the specification, the entire stock will be rejected.
10. We reserve the right to inspect the goods offered at any stage of manufacture / supply at your premises.
11. Any dispute arising out of or relating to this Enquiry shall be deemed to have arisen in Madras and is subject to adjudication of the Madras Courts.
12. Rates quoted once will remain firm for that particular dealing.
13. The quotation should be kept valid for a period of 60 days from the date of opening for acceptance.
14. Payment will be made after confirmation on receipt of the materials in good condition at this Institute (normally within 30 days.) Advance payment will not be entertained at any circumstances.
15. Printed conditions of the firm sent along with the quotation form if any, shall not be binding on us.
16. In case of Printing the Proof should be got approved before final strike.
17. Materials should be supplied at this institute in good condition.
18. Price quoted by the suppliers accepted by the Director is final, and no deviation there from will be accepted without the Director's agreement in writing.
19. If the rates are under D.G.S. & D. Please specify the same clearly enclosing necessary documents.

