Indian Institute of Technology Kanpur

Department of Mechanical Engineering

Enquiry No: Enq/IITK/ME/JB/09

Enquiry Date: 01/11/2017

Closing Date: 29/11/2017

Quotations are invited from manufacturers/authorized suppliers for Data logger on two bid system. Sealed quotations (Technical bid & Financial bid) have to reach on the following address by **29/11/2017 up to 5 PM**.

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Specifications:
Temperature module

1. Minimum number of channels required per module- 16

2. Thermocouple support- J, K, T, E, N, B, R and S Type.

3. Module input should be within ±78 mV.

4. Measuring sensitivity should be 0.02 °C.

Current Module

5. Minimum number of channels required per module - 4

6. Data Logging speed 50 kS/s/ch.

7. Can measure Direct Current upto 5 A.

8. 250 Vrms channel-to-channel isolation.

Voltage Module

9. Minimum number of channels required per module - 8

10. Data Logging speed 1 kS/s/ch.

11. Can measure DC voltage upto $\pm60V$.

12. Low-latency filter and 50/60 Hz rejection filter.

13. 24-bit resolution.

14. 250 Vrms channel-to-channel, CAT II isolation.

Chassis

15. Capable of connecting to PC through LabVIEW software.

16. Number of slots for modules in a chassis- 4

17. Data Acquisition chassis with Ethernet connection to PC.

18. High speed mode up to 1200 S/s.

19. Built-in cold junction compensation.

20. 250 Vrms channel to earth ground safety isolation.

21. 24-bit ADC for up to 0.02 °C measurement sensitivity.

22. Auto zero channel for offset error compensation.

23. Back shell kit for strain relief.

Other Requirements:

1. Quotation must be valid for 90 days.

2. All parts corresponding to the quotation should be from a single manufacturer for compatibility and maintenance.

3. Vendor should clearly mention type of services i.e. preventive/breakdown.

4. Any compliance claimed should be supported with the necessary data sheet.

5. Warranty period should extend for at least 3 years from the time of installation.

6. The Unit Prices should be quoted for every component and the prices can be in INR or in valid foreign currencies (e.g. US Dollar). For INR quotations, delivery should preferably be up to IIT K. For foreign currency quotations rates must be for CIF New Delhi. Sales Tax, VAT and any other applicable charges should be mentioned.

7. Installation and maintenance charges should be mentioned. This should not be bundled in product pricing.

8. Delivery period should not be more than 4 weeks and it should be at IIT Kanpur.

9. IIT Kanpur is exempted from excise duty.

10. IIT Kanpur is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).

For any query please contact:

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