



# भारतीय सूचना प्रौद्योगिकी संस्थान, इलाहाबाद Indian Institute of Information Technology, Allahabad

An Institute of National Importance by Act of Parliament  
Deoghat, Jhalwa, Allahabad-211015 (U.P.) INDIA

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Ref no. IIIT-A/JR(S&P)/281/2017  
Date: 24/10/2017

## Enquiry Letter

M/s. ....

.....

Ph. No.: .....

### Sub: Quotation for purchase of Lab Scale Data Acquisition/Switch Unit family

**Enquiry issue date:** 24/10/2017

**Last submission date:** 14/11/2017 at 12:00 Noon

**Opening of Bid:** 14/11/2017 at 3:30 PM

**EMD Amount:** Rs.4,000/- (Four Thousand Only)

Dear Sir,

Institute intends to purchase of Lab Scale Data Acquisition/Switch Unit family for IIIT-Allahabad for which quotations are invited as per specification and details given below:

Sl. No.	Item/Specification	Qty.	Unit rate in Rs.	Total Rs.
1.	<b>Lab Scale Data Acquisition/Switch Unit family</b> <b>Features :-</b> i. Universal Inputs i.e Input channels should be software configurable and should be capable of accepting Volts, Current, Resistance, Temperature inputs from T/C, RTD etc. ii. Measurement should have 22 bit (6.5 Digits) resolution. iii. Programmable, Modular and expandable in nature. iv. It should be able to work as a Standalone unit (if required) without the PC. v. Both LAN and USB (source and Device) should be available. Graphical web interface for monitoring should be available. vi. Wide selection of different types of Multiplexer Units. vii. Window based Software for PC interface as well as data logging and simplify your test workflow — from measurement setups and automation to exporting data and analyzing in-depth results — in one software application. viii. Measurement of different Parameters like Temperature with all types of Thermocouples, RTDs, Thermistors, Voltages, Resistance, Current, Frequency, Period. ix. Direct Measurement of Parameters without any separate front end unit. Software functions like Mx+B Scaling, Alarm settings, X-T and X-Y recording of datas, Basic math functions. Software capable of transferring data to other user packages like EXCEL. x. No. of Input Channels: 20, optionally expandable. xi. Scan rates: upto 60 channels per second(Expandable upto 250 ch/sec) xii. It should have capability to measure at-least 5 (2-wire resistance) devices simultaneously with Build-in graph plotter capability for time at-least 14400 sec. with various interval like 1 sec., 2 sec., 5 sec., 10 sec., etc. It should plot simultaneous graph for all 5 devices. Data can be directly taken in excel file for all 5 devices as well single device simultaneously.	01		



- xiii. User Manual & Calibration Certificate : Required.  
 xiv. Complete Demonstration at our laboratory required.  
 xv. All required software's for the instrument should be included.  
 xvi. Single Channel Measurement rates :-

Function	Resolution	Readings/ Sec
dc Voltage, 2 Wire resistance	6½ Digits (10plc)	6(5)
	5½ Digits (10plc)	54(47)
	4½ Digits (0.02plc)	500
Thermocouple	0.1°C (10 plc)	6(5)
	0.1°C (1 plc)	54(47)
	(0.02plc)	280
RTD Thermistor	0.01°C (10 plc)	6(5)
	0.1°C (1 plc)	52(47)
	1°C (0.02plc)	200
Acv	6½ slow (10plc)	0.14
	6½ Med (10plc)	1
	6½ Fast (0.02plc)	8
	6½	100
Frequency & Period	6½ Digits (1 s gate)	1
	5½ Digits (100ms)	9
	4½ Digits (10ms)	70

**Measurement range:**

DC Volt	100 mVolt to 300 Volt.
Resistance	100 ohm to 100 Mohm
Current	upto 1 Amp
Thermocouple	B,E,J,K,N,R,S,T
Memory	50,000 readings in Non volatile memory with time stamp. Storage should be available in USB Drive also
Basic Measurement accuracy	0.004 % in DCV
Interface	Standard USB and LAN
Scan conditions	Programmable scan interval and conditions
Multiplexer	Includes 20 Channel Multiplexer module having feature like: ✓ 20 Channel Multiplexer ✓ Two- and four-wire scanning ✓ Max. 300 V; 1A switching ✓ 60 ch/s scanning ✓ Built-in thermocouple reference junction
Warranty	Minimum 3 years

**Total Amount-**

Taxes (GST)-

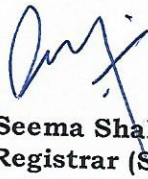
**Grand Total**

You are requested to submit the quotation by courier/speed post with complete details of specifications, terms & conditions, **etc. upto 14/11/2017 at 12:00 Noon.** Quotations duly sealed may be dropped in the tender box placed in the office of the Joint Registrar (S&P), IIIT-Allahabad. Basic rate, taxes and freight charges etc. must be quoted separately. Quotation should be addressed to **Joint Registrar (S&P), IIIT-Allahabad, Deoghat Jhalwa, Allahabad-211012.**

**Note:**

1. F.O.R. destination IIIT-Allahabad

2. Kindly mention enquiry reference number, subject, due date contact address etc on envelopes. Incomplete quotation will not be accepted.
3. Preference will be given to the firm, if Manufacturer/Sole distributor.
4. Quoted rate should be valid at least for 60 days.
5. Enquiry/tender must be quoted in prescribe format on the letter head of the firm/vendor otherwise quotation may be rejected.
6. Quality, if not, found according to our specification as above and standards supply will not be accepted.
7. Supply within 5-6 weeks from the receipt of the Purchase order. If, the supply delayed beyond the stipulated time of completion of supply penalty of 1% per weeks of total cost may be imposed at the discretion of competent authority. The penalty may be upto 10% of the total cost.
8. EMD should be in a form of Demand Draft/FDR in favour of "**Indian Institute of Information Technology Allahabad**" payable at Allahabad (**Any tender/quotation without EMD will not be considered**).
9. The EMD will be returned to the unsuccessful bidders within 15 days and to the successful bidders after supply and satisfactory report.
10. The tender will be opened in the presence of the tenderers, or authorized representatives interested to be present on **14/11/2017** at 3:30 PM. Vendors are desired to submit their authorization letter at the time of opening of tender/enquiry.
11. Payment will be made within fifteen day after receipt of material and satisfactory report.
12. May feel free to contact on E-mail-**info.purhcase@iiita.ac.in**, Ph. No. : **0532-2922051**.
13. Kindly quote your Income Tax PAN No./TIN No., GST no. etc. on the quotation raised by you. If PAN No. not quoted, 20% Tax will be deducted at source.
14. Director, IIIT-A reserves the right to alter/ modify any or all conditions of this tender and to reject of accept any quotation.
15. Conditional tenders will not be considered in any case. They will be summarily rejected.
16. The lowest rate will not be the basis of claim to get the order.
17. All disputes are subject to jurisdiction of Courts at Allahabad.

  
(Dr. Seema Shah)  
Joint Registrar (S&P)

**Copy to:**

- Hon'ble Director for kind information please.