

**Indian Institute of Technology Kanpur**  
**Department of Physics**

Dr. Anjan Kumar Gupta  
Department Physics  
IIT Kanpur  
Kanpur-208016

Tel +91(0512) 2597549(office)  
2596585(Lab)  
E-mail: anjankg@iitk.ac.in

Enquiry No: IITK/PHY/2018-19/NC-02

Enquiry date: 06/04/2018

~~26/04/2018~~

Last date: 03/05/2018

**Tender Notice**

Sealed quotation should reach the undersigned latest by 5.00pm on 3<sup>rd</sup> May, 2018 for the following item:

S.NO	Description of item	Quantity
1	Multi-functional programmable and modular data acquisition and processing system with some specific modules	01

The above –mentioned item should consist of following parts with given specifications:

Sr. No.	Quantity	Part Name	Specification
01	01	19" enclosure with power supply (ADwin-Pro II-light)	19" enclosure desktop unit with 115/230VAC power supply and minimum 6 slots. All the modules should be mountable from the front side.
02	01	Processor (Pro-CPU-T12-ENET)	(a) Processor ZYNQ, ARM Dual Cortex-A9, 1GHz, 64-bit FPU or better, 1GB RAM Gigabit Ethernet for communication with the PC, 1x Event. (b) Programmable in ADbasic for parallel (multitasking) RT processes with reaction times of better than 300ns. (c) Multiple driver support for Phyton, Java, Kalliste, .NET, VB6, C#, Matlab. (d) Options for additional DIO co-processor cards with TICO CPU, programmable for 10ns pulses pattern sequences, with block mode options, and adaptive feedback controlled sequence adaption, programmed by TICObasic software. (e) Options to run Simulink models in RT on the system. (f) Compatible with above enclosure.
03	01	Analog input module (Pro II-AIn-F-8/16-B)	8 analog differential inputs with $\pm 10V$ , parallel acquisition i.e. 8 x 16-bit ADC (250 ns or better conversion time), 256MB RAM averaging, min-/max, limit monitoring, BNC inputs. Compatible with above processor and enclosure.
04	01	Analog output module (Pro II-AOut-8/16-B)	8 analog outputs with $\pm 10V$ range, 16-bit DAC (3 $\mu$ s or better conversion time), BNC outputs. Compatible with above processor and enclosure.
05	01	Relay module (Pro II-REL-16)	16 transistor outputs, isolated by optocouplers, 16x 200mA. Compatible with above processor and enclosure.

### **Terms & Conditions:**

- 1) Quotations must reach undersigned by **03.05.2018, 5.00 pm**
- 2) Quotations should have a validity of minimum of 90 days.
- 3) Technical specification sheets, authorization certificate or proprietary certificate (if applicable) and Any other relevant documentation should be included with the quotation.
- 4) Quotations are required in duplicate: (1) TECHNICAL BID (2) FINANCIAL BID, in separate Sealed envelopes, both to be finally put in one single envelope with Tender Enquiry Number Mentioned clearly in all sealed envelopes.
- 5) Please specify the maximum permissible educational discount, if any.
- 6) The delivery period should be specifically stated.
- 7) The rate offered should show both F.O.B (specify city) in the country of origin and CIF (New Delhi)
- 8) Please clearly mention the tax rate (like VAT etc.) and transportation charges up to IIT Kanpur, India.
- 9) Institute is exempted for payment of Excise Duty under notification No.10/97 & partially @ 5.15% Customs Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- 10) After sales Service in India and warranty period should be clearly mentioned.
- 11) The Institute reserves the right of accepting and rejecting any quotation without assigning any reason.
- 12) Quotations by E-mail will not be accepted.

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Department of Physics  
Indian institute of technology Kanpur,  
Kanpur, UP-208016, India  
E-mail: anjankg@iitk.ac.in