

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

**Enquiry no.: IITK/PHY/340-1  
Enquiry date: 11.12.2012  
Closing date: 5<sup>th</sup> January, 2013**

Sealed quotations are invited for Data Acquisition Cards (NI-DAQ) with 500kS/s and 2 analog channels. The cards should have the following specifications:

1. Qty. 02  
Specifications:

<b>Analog Input</b>	
<b>Channels</b>	16 , 8
<b>Single-Ended Channels</b>	16
<b>Differential Channels</b>	8
<b>Resolution</b>	16 bits
<b>Sample Rate</b>	500 kS/s
<b>Throughput (All Channels)</b>	500 kS/s
<b>Max Voltage</b>	10V
<b>Maximum Voltage Range</b>	-10 V , 10 V
<b>Maximum Voltage Range Accuracy</b>	2.19 mV
<b>Minimum Voltage Range</b>	-0.2 V , 0.2 V
<b>Minimum Voltage Range Accuracy</b>	60 $\mu$ V
<b>Digital Input</b>	
<b>Channels</b>	24
<b>Input-Only Channels</b>	0
<b>Output-Only Channels</b>	0
<b>Timing</b>	Software , Hardware
<b>Clocked Lines</b>	8
<b>Max Clock Rate</b>	1 MHz
<b>Logic Levels</b>	TTL
<b>Input Current Flow</b>	Sinking, Sourcing
<b>Output Current Flow</b>	Sinking, Sourcing
<b>Programmable Input Filters</b>	Yes
<b>Analog Output</b>	
<b>Channels</b>	2
<b>Resolution</b>	16bits

<b>Max Voltage</b>	10 V
<b>Maximum Voltage Range</b>	-10V, 10V
<b>Maximum Voltage Range Accuracy</b>	3.271 mV
<b>Update Rate</b>	900 kS/s

**Terms and conditions:**

The above mentioned specifications are analogous to the Data-Acquisition card from National Instruments, NI PCIe-6341.

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

The delivery period should be specifically stated.

Quotes should be made options for the either of the following delivery modes

- Ex-works for pickup by our world-wide transport provider
- FOB in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – this equipment will be used for research as well as teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to:

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