

CSIR-Central Scientific Instruments Organisation

Ref: CSIO/ISenS/2026/55975

05-10-2026

Subject: Procurement of Multifunction PCI Data Acquisition Card and 68-Pin Shielded SCSI Interface Cable as per the details below:

Sr. No.	Item	Qty	Specifications/ Part
1	16-bit Multifunction PCI Data Acquisition Card	2	As per Table 1
2	68-Pin Shielded SCSI Interface Cable	2	As per Table 2

Table 1: Specifications of 16-bit Multifunction PCI Data Acquisition Card

Sr. No.	Parameter	Specification
1.	Interface	PCI
2.	Number of analog input channels	16 single-ended or 8 differential, or a combination thereof
3.	ADC resolution	16 bits
4.	Maximum sampling rate	250 kS/s, shared by all enabled channels
5.	Analog Input Ranges	Unipolar: 0–10 V, 0–5 V, 0–2.5 V, 0–1.25 V; Bipolar: ± 10 V, ± 5 V, ± 2.5 V, ± 1.25 V, ± 0.625 V
6.	Input overvoltage protection	± 15 V
7.	Input impedance	100 M Ω
8.	Integral non-linearity (INL)	± 1 LSB maximum
9.	Differential non-linearity (DNL)	± 1 LSB maximum
10.	Digital Input	16 channels, 5 V TTL compatible
11.	Digital Output	16 channels, 5 V TTL compatible
12.	FIFO memory	8,192 samples
13.	Calibration / Identification	Auto-calibration and BoardID switch
14.	Software & Accessories	Shall be supplied with necessary device drivers, software/API for data acquisition and configuration, user documentation

Table 2: 68-Pin Shielded SCSI Interface Cable, 1 meter

S. No.	Parameter	Specification
1.	Product Type	68-Pin Shielded SCSI Interface Cable
2.	Cable Length	1 meter
3.	Connector Type	68-pin SCSI connector
4.	Connector Configuration	Male-to-Male

5.	Cable Construction	34 twisted pairs
6.	Shielding	Double-shielded construction
7.	Shielding Material	Aluminum/Mylar foil and braided copper shield
8.	Connector Type/Design	Insulated half-pitch 68-pin connector
9.	Connector Locking	Thumb-screw locking mechanism
10.	Outer Jacket	PVC
11.	Cable Standard	UL 2919 approved construction
12.	Application	Interconnection of PCI data acquisition card with compatible I/O wiring/terminal board

Note:

1. All items listed must be quoted.
2. Vendor must ensure that all quoted parts must be mandatorily supplied to CSIR-CSIO, adhering to the lead times provided in the quotation.
3. L1 will be evaluated based on the total value of the complete quotation.
4. The budgetary quotation for items is to be submitted through Email jatin.sharma.csio@csir.res.in and aparna.akula.csio@csir.res.in on or before 07.10.2026 , Contact: 0172-2672346