Design, fabrication, testing and supply of a high-speed data acquisition board, 3 Nos.

Reference Order No.: 38212 Date: 14.08.2026

1. The order will not be split and the overall lowest quotation will be considered for order placement.
2. The price should include ex-CSIO delivery.
3. The valid coc/inspection report should be shared wherever applicable.
4. The supplier should share the authorisation letter from the OEM, wherever applicable.
5. Payment and other things as per CSIO norms.
6. If required, installation will be done by the vendor.
7. Pl submit the quotation through email/hard copy by hand to undersigned
8. Quote time by 17:00 Hrs on Aug 17, 2026
9. Material to be supplied within 40 days from the order placement.

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Specifications

Sl. No	Parameter	Description
1	Measurement Channels	6 Channels (3 Voltage Inputs and 3 Current Inputs)
2	ADC IC	MCP3913 or equivalent ADC
3	ADC Resolution	24-bit Sigma Delta or better
4	Voltage Input	Conditioned voltage sensing interface
5	Current Input	CT/Shunt compatible conditioned current interface
6	DAQ Communication	SPI / High-speed Serial Interface
7	Isolation	Digital isolation/level shifting between DAQ and processor
8	Peripherals	USB, Ethernet, HDMI, SD Card, GPIO Expansion (40pins)
9	Edge Computing Module interface	Through two high-density connectors
10	Power Supply	Regulated digital and isolated analogue supplies 20 W or better
11	Deliverables	Firmware (to be tested with 18ksps/channel), Drivers, Documentation, Schematics, BOM, PCB Layout, Gerber files etc.
12	Testing	Functional verification and interface validation in report
13	Typical Applications	Energy monitoring, Edge AI, Power Quality, Data Acquisition

Block Diagram