Design, fabrication, firmware and supply of PCB Boards (02 no's)

Reference Order No.: **CSIO/26052025FTT0605042 / 2025-26**

1. The order should not split. The comprehensive quote considering fabrication/fitment of all components, for at CSIO will be considered.
2. The price should be including ex-CSIO delivery.
3. The valid coc/inspection report should be shared wherever applicable.
4. The supplier should share the authorization letter from the OEM, wherever applicable.
5. Payment and other things as per CSIO norms.
6. Quote time by **11:00AM on 02.06.2025.**
7. Material to be supplied on or before **15.08.2025**
8. Pl submit the quotation through email/hard copy to undersigned

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Specifications

Sl. No	Parameter	Description
1.	Number of carrier board Energy IC	2 numbers ATM90E36A
2.	Edge Computing	Compatible with RPI 4/5 • Housed on top of the RPI-4/5 • Four Screwed on RPI-4/5
3.	Input Measurement Voltage Range	0-300 V (L-N) as per the Energy IC rating
4.	Input Measurement Current Range	±1 V or higher (using External CT) as per the Energy IC rating
5.	Interface between ATM90E36A & RPi	SPI with isolation or similar and /or suitable grounding to avoid RPI damage.
6.	SPI interface with ATM90E36A	Raspberry pi V4 & V5 should be tested using firmware
7.	Test Pins (standards)	Standards
8.	Power Supply Module	As per the ratings of ATM90E36, RPI 4/5 (for 100% computing load)- 25 W (or higher)
9.	Soft Deliverables Required	• Schematics • Bill of Materials • PCB Layout file • Gerber file • SPI firmware
10.	Delivery Period	6-10 weeks