

October 23, 2025

Reference: CSIO23092025HCP005746 / 2025-26

Subject: Call for Expression of Interest (EoI)/quotation for the purchase of goods/fabrication job work for the ongoing project activities- reg

It is informed that the following items are proposed to be purchased/fabricated. Interested parties are requested to **submit a quotation** through email/hard copy to the undersigned **within the next three days** from the date of publishing of the notice.

Items/Goods/Job work required

Sr. No.	Description of the items/Goods/Jobwork	Quantity
1.	Design, Fabrication and Assembly of IP68-rated Chassis (As per attached Annexure-I)	03

Terms and Conditions:

Delivery: For CSIR-CSIO, Chandigarh

Lead time/delivery time: 2-4 weeks

Payment: After delivery and successful inspection



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HEAD ISD, with a request to display on the CSIO website

Annexure-I

Design, fabrication, and assembly of an IP68-rated Chassis/Enclosure to accommodate the following:

- ESP32-based IoT PCB
- External antenna (LTE/LORA/WiFi)
- Nextion/HMI Display (5 inch appx)
- SD card slot
- USB Type-C port
- 8 × 2-pin screw terminals/equivalent port/chassis connector
- 6 × 4-pin JST connectors
- 12V DC jack

IP68 Chassis/Enclosure should also cover the following scope of work:

- CAD Design (Enclosure modelling, cutouts, sealing design)- design files, soft copies should be supplied to CSIO
- Prototype (3D Printing) PLA/ABS 3pcs, fitment check, Re printing (If needed)
- Fabrication (CNC in MS) (CNC cutting, bending, and welding of Mild Steel (MS))
- Surface Treatment (Industrial-grade primer powder coating for corrosion resistance, long-lasting finish)
- Connector Fitment & Gland Work (Drilling, fitting IP68 glands & external connectors)
- Assembly & Integration
- Testing (IP68), Certification (Dust + water test)
- Documentation & Certification Dossier (Reports, BOM, drawings, manuals for submission)
- Custom Labelling & Branding (Logo engraving, stickers, product labelling for identity)
- External Waterproof Accessories (Sockets, gaskets, cable glands, seals, etc.)
- Quality Checks