

Ref. No.: IISc/Phy/Tender/2023/Domestic/Anil/1. Date: 12th October 2023

Tender Notice for Procurement of a **Dual channel low-current sourcing and measurement unit** from Domestic Manufacturers.

(Last Date for Submission: 2nd November 2023)

(TENDER FROM DOMESTIC VENDORS)

Date: 3rd October 2023

Dear Sir/Madam,

This is a Request for Quote (RFQ) only from domestic manufacturers or from Class I and Class II local suppliers for the procurement of a dual channel low-current sourcing and measurement unit for the Department of Physics at the Indian Institute of Science (IISc), Bangalore.

Only the Indian Original Equipment Manufacturer (OEM) or their distributor shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below. The quotations should be on FOR-IISc Bangalore basis in INR only.

For this tender, the rules laid out by the Government of India in order No. P45021/2/2017- pp-BE-II issued by the Public Procurement Section, Department or Promotion of Industry and Internal Trade, Ministry of Commerce, and Industry, dated 4th June 2020 will be followed. The bidders must go through the Government of India order stated above and follow all the rules and regulations therein. Relevant definitions as per the Government of India order:

Class-I local supplier - A supplier or service provider, whose goods, services, or works offered for procurement, has local content equal to or more than 50%.

Class-II local supplier - A supplier or service provider, whose goods, services, or works offered for procurement, have local content of more than 20% but less than 50%.

Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.

Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.

MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

The tender should be submitted in **two separate sealed envelopes**: one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before **2nd November 2023, 5PM**. The bids should be addressed to:

The Chair
(attn: Prof. P S Anil Kumar),
Department of Physics
Indian Institute of Science
Bangalore 560012, India.

Technical Specifications for a Dual channel Low current sourcing and measurement unit

- 1) The system should be capable of sourcing/measuring voltage or current.
- 2) Voltage range: minimum 200mV to 200V or more
- 3) Voltage measurement Resolution: minimum 100 nV
- 4) Current measurement Ranges: minimum 100 pA to 1.5A or more.
- 5) Current measurement resolution: minimum 0.1 fA.
- 6) Pulse current: minimum 10A.
- 7) The system should be able to apply a minimum 10A pulse on both channels simultaneously.
- 8) No of channels: minimum 2
- 9) The system should have a built-in triaxial connector option for 2-wire and wire connections per channel.
- 10) The system should have GPIB, Ethernet, RS 232 communication.
- 11) The system should have a minimum of 16 MB of internal memory for stand-alone operation.
- 12) The system should be provided with at least two triaxial to alligator cables.

Terms and conditions:

- **Warranty:** The system should have a minimum warranty of one year from the date of installation and commissioning of equipment.
- **Delivery:** The price should include delivery to the Indian Institute of Science.

Department of Physics
Indian Institute of Science
Bangalore - 560012
Karnataka, India.