

Tender notification for the procurement of a “LCR meter” from domestic (India-based) manufacturers

Ref: PHY/SMY-547/2023-24

Date: 16/05/2022

This is a notice inviting domestic tenders for the procurement of an “**LCR meter**”. The required technical details including terms and conditions are provided below. The last date of reaching the quotation to us is mentioned below.

With respect to 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 of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 04th June 2020, will be followed. Per this order, the government has defined a ‘Class-1 local supplier’ as “a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%”. A ‘Class-2 local supplier’ is “a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%”. Only ‘Class-I’ and ‘Class-II’ local suppliers are eligible to participate in this open domestic tender. Any ‘Non-local supplier’, i.e., “a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%” is ineligible to participate in this tender.

Specifications:

1. Frequency range:	Atleast 20 Hz-300 KHz
2. DC bias signal level:	2 V
3. Test signal level:	0-2 Vrms
4. Measurement parameters:	Capacitance (C), Inductance (L), Resistance (R), Reactance (X), Conductance (G), Susceptance (B), Dissipation Factor (D), Quality Factor (Q), Impedance (Z), Admittance (Y), Phase Angle (Θ), DC Resistance (R_{dc})
5. Measurement/display parameters ranges	R, Z, X: 1 mOhm- 1 GOhm G, Y, B: 1 nS to 1 kS L: 100 pH to 100 MH C: 1 pF to 1 F D: ± 0.00001 to 9.999999 Θ : ± 0.0001 deg to 180.0000 deg
6. Test signal level monitor	Two user selectable measurement parameters should be displayed
7. Basic accuracy (Freq. range):	0.08% (20 Hz-300 KHz)
8. Measurement accuracy:	$\pm 0.01\%$
9. Measurement connections	Four BNC connectors
10. Input/Output connectivity:	GPIB, USB, LAN
11. Operating voltage, frequency	220 VAC, 50 Hz
12. Accessories:	All accessories such as necessary software, connectors, adapters, cables etc. required for the independent operation of the device should be included.

Other requirements:

1. Installation should be performed on site
2. The vendor/company and/or their associate (agent) in India should provide aftersales service, full support, and repair if required.
3. Warranty: 1 year [onsite repair is preferred] from the date of installation. Please quote for extending the warranty period for an additional one (i.e., total of two) as well as two (i.e., total of three) years.

Terms and conditions:

1. The Bidder should belong to either Class-1 or Class-2 suppliers distinguished by their “local content” as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter. a) Class-1 supplier: Goods and services should have local content of equal to or more than 50%. b) Class-2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.
2. 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 the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
3. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.
4. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.
5. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
6. The bid should be submitted in a two-cover system, i.e., technical bid and commercial bid separately in sealed covers. The technical bid should contain all commercial terms and conditions, **except the price**.
7. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table that should describe your compliance in a "yes" or "no" response against each specification. If "no" the second column should mention the extent of the deviation. The third column should state the reason for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement table below. **Tender documents without technical compliance documents will not be considered.**
8. In the commercial bid, the price should be inclusive of all discounts.
9. The vendor/company should have a track record of having previously at least **five similar equipments** in India (please furnish the details).
10. The vendors quoting should ideally be registered with IISc, and the quote should ideally carry the vendor registration number in the bid.
11. The covering letter in the bid should clearly mention whether the vendor is a ‘Class I’ local supplier or a ‘Class II’ local supplier, failing which the vendor will be automatically disqualified. The vendor should indicate the percentage of the local

content and provide self-certification that the items offered meet the minimum local content requirement. They should also give details of the location(s) at which the local value addition was made.

12. Lead time should be clearly mentioned in the technical and commercial bids.
13. The offer shall be valid at least 90 Days from the date of opening of the commercial bid.
14. The vendor/company should have existence for a minimum of 3 years. (Enclose Company Registration Certificate).
15. The vendor or their Indian authorized distributor should attend lab physically within 48 hours of service call if instrument is down. They should have a local office in Bangalore & service facility in India, preferably Bangalore.
16. The vendor/company must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere.
17. The quotations should be on FOR-IISc Bangalore basis in INR only
18. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
19. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 1. To accept OR reject lowest tender or any other tender or all the tenders.
 2. To accept any tender in full or in part.
 3. To reject the tender, offer not confirming to the tender terms.
20. The tender documents can be sent at the following address by post or in-person or email, and the document should reach us on/before **30 May 2022**.

The Chairman
Department of Physics
Indian Institute of Science,
Bangalore 560012, Karnataka, India

Attention: Prof. Srimanta Middey

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