

 <p>IIT PALAKKAD</p>	<p>भारतीय प्रौद्योगिकी संस्थान पालक्काड Indian Institute of Technology Palakkad अहलिया एकीकृत कैम्पस, कोज़िपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557</p>	<p>दूरभाषसंख्या/ Phone no: 04923 – 226300/590/586</p> <p>ईमेल/ Email : purchase@iitpkd.ac.in</p>
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Ref No: IITPKD/ELE/SS/ 102 /2017

Date: 17.01.2018

Due Date of the tender: 01.02.2018 @ 3 PM

TENDER FOR INVITING QUOTATIONS

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for “**Precision Voltage, Current Source-Measure Unit**” confirming to the specification in the Annexure.

- 1) **Preparation of Bids:** - The tenders should be submitted **under two-bid system** (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical and the financial bids should be put in separate cover and sealed. Both sealed covers should be put into a bigger cover.
- 2) The Quotations duly sealed and superscribed on the envelope **with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. Fax and Email quotation are not acceptable.**
- 3) The price should be quoted per unit and packing and delivery charges should be indicated separately. The offer/bids should be exclusive of Taxes and Duties, which will be paid by the purchaser as applicable. However the percentage and of taxes and duties as on date should be clearly indicated.
- 4) The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.
- 5) **Local Firms:** Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
- 6) Outside Palakkad: Quotations should be for **F.O.R. at IIT Palakkad**. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
- 7) Goods shall not be supplied without an official supply order.
- 8) **Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate.

- 9) **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later. No advance payment will be made. The Tenderer have to furnish the bank details along with tender like Account No, Account Name, IFSC Code, Bank address etc.
- 10) **Submission of Bids:** Quotation should be sent to the following address “**The Registrar, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad -678 557, Kerala**”, Phone No: 04923 226 586/590, Email: purchase@iitpkd.ac.in.
- 11) **Delivery Period:** The quotation should indicate clearly when delivery and installation to be made.
- 12) **Delay in Supply or Liquidate damages:** If the supplier fails to deliver the stores within the time specified in the purchase order, the purchaser will recover from the supplier as liquidated damages a sum of one- half of one percent (0.5%) of the P.O value of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed five percent (5%) of the P.O price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.
- 13) **Late offer:** The quotation received after due date will not be considered. Please ensure that your offer is sent well in advance to reach the Institute by the due date.
- 14) **Loading and unloading charges will be borne by the supplier.**
- 15) **Warranty:** Warranty Clause should be indicated clearly.
- 16) **Acceptance and Rejection:** IIT Palakkad has the right to accept the whole or any parts of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully,

Encl: Specifications

Registrar, IIT Palakkad

Precision Voltage, Current Source-Measure Unit

No. of units - 2

The detailed specifications are given below

Sl. No.	Parameter	Specification
1	Maximum source/measurement DC voltage	200 V or more
2	Maximum DC current	1 A or more
3	Source output power rating	Output power rating of 20 W or more
4	4 quadrant operation	Yes
5	standard sweep parameters	Linear, custom and logarithmic modes
6	Number of digits	5.5 or better for both source and measure
7	Required power supply	voltage range of 100V (lower) to 240V (higher), frequency range of 50 (lower)–60 (higher) Hz
8	Measurement resolution	10fA / 100nV or better
9	Overrange for current	101 % of source range for 1 A or more
10	Voltage source accuracy	better than 0.02% for the voltage range of 200 mV upto 200 V
11	Voltage measurement accuracy	better than 0.02% for the voltage range of 200 mV upto 200 V
12	Current source accuracy	better than 0.2% for current range upto 1 A
13	Current measurement accuracy	better than 0.2% for the current range upto 1 A
14	Measure resistance	upto 200 Mohms or more
15	Resistance measurement accuracy	accuracy of upto 0.2% for resistances upto 20 Mohms
16	Source voltage noise (rms)	For 200 mV noise to be <4 μ V for 2 V noise to be <8 μ V for 20 V noise to be <100 μ V for 200 V noise to be <1 mV

1. Bidder must provide proof of NABL certification of technical specifications for the product being quoted.

2. IIT Palakkad reserves the right to request for a demonstration, if required, of compliance w.r.t to technical specifications. Such a demonstration will be conducted in the **Temporary Campus of IIT Palakkad, Ahalia Integrated Campus, Palakkad**. The expenses for this demonstration will have to borne by the bidder.

Who can participate in the bid?

Only those bidders fulfilling the following criteria should respond to the tender.

1. The bidder should be either an Original Equipment Manufacturer (OEM) of **Precision Voltage, Current Source-Measure Unit** or should be an authorized representative (provide documentary proof) of an OEM.
2. The bidder should be a company registered under the Companies Act, 1956/2013 OR a Limited Liability Partnership /a registered partnership firm OR a sole-proprietorship entity. Appropriate Registration incorporation certificate must be submitted.
3. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh/Maharashtra or Kerala. Certificate of registration for the offices to be provided.
4. The bidder must preferably have a service center in Karnataka/Tamil Nadu/ Telangana/Andhra Pradesh or Kerala. Certificate of registration for the centers to be provided. For service centers located in any other location, in case of service and repairs, the bidder has to perform all the procedures of shipping and bear all the cost for the same. Details about scope of service activities provided by the service centers must be provided.
5. The bidder must be in existence in the business of **Precision Voltage, Current Source-Measure Unit** for a minimum period of 3 previous financial years (before or since 01 April 2012). Documentary evidences of experience must be provided.
6. The bidder should have documentary evidence of having supplied **Precision Voltage, Current Source-Measure Unit** to a Centrally Funded Technical Institution (IIT, NIT, IISc, IISER) in the last three years (01 April 2014 – 31 Oct 2017). The bidder must provide a certificate of satisfactory performance of the supplied equipment from the institute to which they have recently supplied. Contact details of the faculty-in-charge of the installed setup must also be provided.
7. **The bidder must provide detailed specification of each equipment/item. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Specifications corresponding to quoted model number must be available publicly via OEM's website for scrutiny. If not, bid can be disqualified on technical grounds.**
8. **Compliance sheet for the technical specification and OEM Brochure have to be attached along with the Technical bid. Vendor has to fill the compliance sheet and mention the page number or reference number in OEM brochure for each item in the compliance sheet. Unfilled / partially filled sheets lead to disqualification.**
9. Service and warranty for a minimum period of three years for the equipment must be provided.