



Indian Institute of Technology, Madras  
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17th February 2017

To: whomsoever it may concern,

On behalf of Indian Institute of Technology Madras, offers by way of limited tender are invited for the purchase of three(3) units of "Two-channel precision source/measure units(source meters)" conforming to the specifications given in the annexure.

1. Tenders should be submitted under two-bid system, i.e. technical bid and financial bid.
2. The due date for the tender is 27th February 2017.
3. 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/her on or before the due date stipulated above.
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. If the item is under DGS &D RATE CONTRACT, RC no. and the price must be mentioned. It may be also please be indicated whether the supply can be made direct to us at the Rate Contract price. If so, please send copy of the RC ( Please note that we are not Direct Demanding Officers)
6. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
7. Local Firms: Quotations should be for free delivery to this Institute. If Quotations are for Ex-godown. delivery charges should be indicated separately.
8. Firms outside Chennai: Quotations should be for F.O.R. Chennai. 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.
9. The rate of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General taxes will be admitted at any stage and on any ground whatsoever . The taxes leviable should

take into consideration that we are entitled to have concessional Sales Tax applicable to non-Government Educational Institutions run with no profit motive for which a concession. Sales tax Certificate will be issued at the time of final settlement of the bill.

10. Goods should be supplied carriage paid and insured.
11. Goods shall not be supplied without an official supply order.
12. 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.

Address to send the bids:

Nagendra Krishnapura  
Associate Professor  
Dept. of Electrical Engg.  
IIT Madras, Chennai 600036.

## Annexure I

Technical specifications of the source-measure units (source meters)

Source-measure units (source meters) should be able to provide and measure voltages (up to 30V) and currents (up to 3A) with the accuracy specifications at different outputs as given below. Accuracy specifications are interpreted as equal to or better than the specifications in the table below.

### **Voltage source**

<b>Output</b>	<b>Accuracy</b>	<b>Noise</b>
100mV	0.02%+250 $\mu$ V	20 $\mu$ V
1V	0.02%+400 $\mu$ V	50 $\mu$ V
10V	0.02%+4mV	200 $\mu$ V

### **Current source**

<b>Output</b>	<b>Accuracy</b>	<b>Noise</b>
1 $\mu$ A	0.03% + 800pA	30pA
10 $\mu$ A	0.03% + 5nA	60pA
1mA	0.03% + 300nA	6nA
100mA	0.03% + 30 $\mu$ A	600nA
1A	0.05% + 1.8mA	100 $\mu$ A