

**INDIAN INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Subject: Sealed quotations are invited for AC & DC Current Source Unit

DUE DATE:- 27 December 2013, till 4PM

QUANTITY:- ONE NUMBER

Sealed quotations are invited from reputed manufacturer/ Bidder for purchase of AC & DC Current Source Unit in the department. There will be a two bid system – a technical bid & a financial bid. Technical bid should not contain any commercial information, else will be rejected. The financial bid will be opened only if technical bid functionally meet the tender specification. Before submitting the tender, read the tender terms & conditions carefully.

Technical Specification: AC & DC current source Unit

- ◆ DC Source Resolution : 100 fA.
- ◆ ~2 nA-100 mA Range (better lower range is preferred with matching higher range)
- ◆ AC current : from 4 pA to 210 mA.
- ◆ Build in current ARB waveform generator.
- ◆ Current ARB generator : fA to 100 mA
- ◆ Frequency : 1 mHz to 100KHz.
- ◆ Voltage Compliance : ~30 V-100 V (Better lower range and steps are preferred)
- ◆ Output Impedance : ~10¹⁴ Ohms
- ◆ Noise on (2nA Range) : ~ 400 fA p-p
- ◆ Response Time : ~1-20 μs
- ◆ Built in Guarded Sourcing for Faster Low Current:
- ◆ Source Update : 0.5 ms
- ◆ Automatic reversal of current,
- ◆ Stability better than 10 ppm/Hr
- ◆ Communication/programming Port: Ethernet or GPIB /RS232 support SCPI commands, Digital I/O, Trigger link
- ◆ Drivers/ soft ware support: Start up Instrument control software, LabVIEW, LabWINDOWS, CVI, IVI, VB, VC/C++ Instrument Drivers should be provided.

GPIB controller: To be used along with external standalone / Laptop Computer to control the current meter.

Terms & Conditions:

Separate Technical & Commercial bids are required to be submitted in separate sealed envelopes. Technical details with commercial information are bound to be rejected.

If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed of recent date specific to this Tender.

Either the Indian agent on behalf of the principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item in the same tender. If an agent submits bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item.

IIT Delhi is exempted from paying Excise Duty & necessary Excise Duty Exemption Certificate will be provided, if required.

Three year's comprehensive warranty to be provided

Only INR Bids will be accepted. (No CDEC will be issued on INR Quote)

Payment will be made after installation as per IIT Delhi norms.

Delivery period: within 6 weeks from the issue of supply order.

The quotation must have validity of three months from the date of submission.

The item will be used for educational purpose, any applicable academic institution discount should be offered & stated clearly.

Compliance Chart with Data Sheet of Quoted model must be attached.

IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.

Post Warranty AMC Rates in %.

No query regarding the tender will be entertained.

Quotation must include the applicable taxes and duties, If any.

Sealed Quotations must be marked "Quotation for AC & DC Current Source Unit and should reach latest by 27/12/2013 up to 4.00 pm at the following address

The Head
Department of Computer Science & Engineering,
Bharti Bldg. 3rd floor, Room No-404
IIT Delhi-110016

Prof. M. Balakrishnan