

**SCHOOL OF BIOMEDICAL ENGINEERING**  
**INDIAN INSTITUTE OF TECHNOLOGY**  
**BANARAS HINDU UNIVERSITY**  
**VARANASI-221005**

**QUOTATION ENQUIRY**

Ref.: IIT(BHU)/BME/2017-18/QTN/MD06: **Due Date: ~~18-04-2018~~ 05-05-2018** (11.00am); **Date: 05-04-2018**  
 (Last date of Quotation receiving) (Date of Quotation enquiry)

To,  
**Vendors / Suppliers / Representatives**

Dear Sir/Madam,

Please submit your lowest rate for supplying the under mentioned items. Quotation in duplicate must reach us before the date marked above by **registered / speed post** to **Dr. Marshal, Associate Professor, School of Biomedical Engineering, IIT (BHU), Varanasi-221005, UP (India)** and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R. Varanasi/CIF New Delhi.
2. Sales tax at concessional rate as applicable to educational institution.
3. Your VAT/CST registration number, PAN & TIN/GST number.
4. Conditions of supply and terms of payment.
5. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
7. Please give undertaking as per Annexure-I-

Quotation must be sent in a **sealed envelope** with word "QUOTATION", our reference number, and due date as given above, clearly marked over it.

**Technical specifications for Current –Voltage (IV) Source Measure Unit (SMU)**

Sr. No	Feature	Specification
1	Voltage (source and measure ranges)	200V to 20mV (both source and measure)
2	Voltage resolution (source and measure range)	Source: 500nV and Measure: 10 nV
3	Current (source and measure ranges)	1A to 10nA (both source and measure)
4	Current resolution (source and measure range)	Source 500 fA and , measure: 10 fA
5	Sweep types	Linear, log, Dual Linear, Dual Log, Custom, Source Memory mode
6	Internal buffer	250000 points breading buffer
7	Programming interfaces supported	USB, GPIB, Ethernet(LXI), TSP
8	Expansion Interface for Multichannel operation	TSP link –used for Trigger and communication with each other supporting Master Slave mode
9	Signal supported connectors	Front Panel Banana Jacks/ rear panel 3 lug Triax
10	Measurement speed	1x10 <sup>4</sup> readings / min
11	Measurement mode	Voltage, current, Resistance, power

*M. Marshal*  
 19/4/2018  
**Dr. Marshal (डा० मार्शल)**  
 PRINCIPAL INVESTIGATOR  
 जैव चिकित्सा अभियांत्रिकी स्कूल  
 School of Biomedical Engg.  
 भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.)  
 Indian Institute of Technology (IIT) (BHU)  
 वाराणसी-221005/Varanasi



12	Display and control	5-inch Built-in Capacitive Touch screen display. Icon based control to setup measurement, source and graph display should be compatible with attached computer system
13	Storage of setups and export measurement data	Through front panel USB pen drive slot or to attached computer system

#### Accessories

One compatible latest computer system with the Current –Voltage (IV) Source Measure Unit (SMU).

N.B.: Other terms & condition pertaining to item mentioned above shall be mentioned below.

- System should be compatible with current lab power (220-240V, 50Hz, single phase and 5/15 Amp switch) and water supply of lab.
- Three-year warrantee from the date of installation.
- Experience certificate with the list of supply / installation of similar set-ups.

The Sealed quotation will be opened on ~~18-04-2018~~ <sup>05-05-2018</sup> (1.00pm) at School of Biomedical Engineering in the office of coordinator (This is mandatory in case of e-publishing)

*M. Marshal*

19/4/2018  
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**HEAD/COORDINATOR/PI**  
**Dr. Marshal (डा० मार्शल)**  
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