

**Centre of Excellence for Green Energy and Sensor Systems
Indian Institute of Engineering Science and Technology, Shibpur
P.O. Botanic Garden, Howrah – 711 103, West Bengal, India**

Ref. Tender Advt. No AR/D(AA)/16/19 Date : 22/04/2016

Under the project “High Efficiency Triple Tandem and Heterojunction Silicon based Solar Cell Under “National Solar Science Fellowship” funded by MNRE, Govt. of India, (Sanction Letter: 10/2(1)/2013-P&C)

Notice for Inviting Quotations

Sealed quotations are invited from *bonafide* suppliers for supply of the following Spare item.

Keithley: 5½ digit programmable Picoammeter/Voltage Source (Model 6487)

Bidding documents may be downloaded from the website (www.iiests.ac.in) and bidders can submit quotations as per instructions in the document.

Last date of submission of bid is 14 working days from the date of publications of this advertisement up to **3.00pm**.

Dean (Administrative Affairs)

A.Code:

SECTION-I: General Conditions and Important Instructions for Bidders

1. Bidders are to submit the original tender documents with technical specifications and price details in sealed envelope to Dr. Chandan Banerjee, Principal Investigator, Center of Excellence for Green Energy and Sensor Systems (CEGESS), IEST ,Shibpur (Formerly Bengal Engineering and Science University), Shibpur, Howrah-711103, West Bengal.

2. Bidders are to submit Technical Bid and Price Bids separately in two sealed envelopes.

(i) **PART I: TECHNO-COMMERCIAL BID** - giving Detailed Specifications, International Standards (BIS/INTERNATIONAL), Catalogues, List of users & Technical Details / Operating Parameters, Pre-Installation, Requirements, payment terms, warranty, etc.

(ii) **PART II: PRICE BID** - giving full Prices in Indian Rupees and/or in Foreign currency for

(a) Main Equipment.

(b) Essential Accessories & Spares.

The contents of the envelope (Technical Bid / Price Bid) should be mentioned on its top. All the sealed envelopes should be placed in a common sealed envelope, superscripted with the Ref. Advertisement No. and date along with the bidders name and address. Any deviation from the said process will result in disqualification of the particular bidder.

3. Bidders are to submit this tender document in original after accepting the terms and conditions.

4. Preference will be given to reputed indigenous manufacturers having proven track record with service and maintenance capability in Kolkata/ India. Vendors are requested to visit the site to evaluate the appropriate costing.

5. Last date of submission of bid is **14 working** days from the date of publications of this advertisement .

Tenders received late will not be accepted under any circumstances. Tenders will be opened in the room of Head Center of Excellence for Green Energy and Sensor Systems (CEGESS), IEST, Shibpur, Howrah- 711103, West Bengal on a date and time to be notified to the vendor.

6. The Price Bid should clearly mention the price including the following:

- Ex Works Price
- Packing and Forwarding Charges, if any
- Freight and insurance, up to IEST, Shibpur West Bengal.
including loading and unloading charges
- All taxes, duties, levies applicable, in INR

For imported equipment, Letter of Credit may be opened against proforma invoice received from the Principal Vendor. In case of imported equipment the local agents are to quote the price in foreign currency.

7. The manufacturer selected shall provide Training in operation and application of the Instrument for the R&D work to user Scientists at IEST.

8. The Institute will not issue any C or D form availing of concessional Sales Tax/ VAT. The University will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.

9. The equipments are to be supplied at the Center of Excellence for Green Energy and Sensor Systems (CEGESS), IEST (Formerly Bengal Engineering and Science University), Shibpur, Howrah-711103, West Bengal, between 11.00 am and 4.00 pm from Monday to Friday except holidays. The bidders will be responsible for any breakage, damage or defect in the equipment detected subsequently.

10.(a) For Indian purchase (This clause is applicable only for Indian purchase and not applicable for foreign purchase):

Bills in triplicate should be presented for payment within 15 days of Supply / Completion of work. No Advance Payment can be made. All bills are to be accompanied by Order copies and Challan Receipt. The Order Number is to be noted on both the Challan and the Bill. Payment will be made on submission of Proper Bills, Challans etc, by A/C Payee Cheque and no cash payment will be made under any circumstances.

Or

(b) For Foreign purchase (This clause is applicable only for foreign purchase and not applicable for Indian purchase):

Payment will be made through Letter of Credit/Bank Transfer. AWB, Packing list, Warranty Certificate, etc should be provided.

11. All payments are subjected to statutory deductions as and when applicable.

12. Earnest Money Deposit: NIL

13. Documents to be submitted with the tender:

- Tender Documents, General Conditions and Important Instruction in original duly signed by the Proprietor/ Partner/ Director of the company as a token of acceptance of Terms and Conditions of Tender.
- Latest Income Tax, Sales Tax, Professional Tax clearance certificates and copy of valid Trade License.
- Technical Bid, Price Bid (Priced) separately in two sealed envelope according to specifications.

14. For all items the warranty/ guarantee period should be at least 24 months from the date of commissioning. Warranty/ Guarantee for all the items supplied will be on 'all comprehensive' basis, i.e., including repairs, replacements, maintenance etc.

Calibration / Test Certificate must accompany along with the equipment.

Supply of equipment shall include installation, commissioning and demonstration. IEST, Shibpur, Howrah reserves the right to accept/ reject all or any of the bidders without assigning any reason whatsoever.

15. The vendors quoting against this tender should have a proper track record internationally and should have supplied reputed instruments in India (Document to be attached)

15. IEST, Shibpur, Howrah reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

I/We accept the above terms and conditions.

Signature of the Bidders with date and seal

Technical specification for Keithley: 5½ digit programmable Picoammeter/Voltage Source

Model: 6487

Current Ranges: 2 nA–20 mA

Voltage Burden: 200 μ V (1 mV on 20 mA range)

Reading Rate Up to 180/s Up to 1000/s

Voltage Sweeps: Yes

Alternating Voltage Ohms: Yes

Analog Output: Yes (inverting)

Storage Buffer: 3000 points

Best V Source Resolution: 0.2 mV