

**Office of the Dean Research and Development
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Project Code: DRC/DST-WOS/CEGESS/SM/006/16-17

**Centre of Excellence for Green Energy & Sensor Systems
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Ref.: Advt. No. CGE 1347, Dated: 13.02.2018

Notice Inviting Quotations

Sealed quotations are invited for the supply of

Item 1. Advanced PC Interface Software for IVM, preferably MFC.

Item 2. Multi-Instrument Software Control.

as per the following technical specification. The technical specification can be downloaded from the website. The document can be also obtained from the Centre of Excellence for Green Energy & Sensor Systems (**Contact: Dr. Sanhita Majumdar**) between 10.00 a.m. and 6.00 p.m. on all working days. The invitation is valid for 7 working days from the date of publication of this notice.

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(A. Code DRC-T127/17-18)

SECTION I: TERMS & CONDITIONS

1. The last date of receipt of quotation is valid **for 7 working days** from the date of publication of this notice. Quotations received later will not be entertained under any circumstances.
2. Potential supplier are to submit the quotations in Sealed Cover to the Centre of Excellence for Green Energy & Sensor Systems in the following address:

**Dr. Sanhita Majumdar
CEGESS
IEST, Shibpur
Howrah-711103, India**

3. Item name must be mentioned on cover.
4. The price quoted should be inclusive of all Taxes in INR, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated. If GST is chargeable then price quoted should be inclusive of GST in INR.
5. Vendor should have proven track record of supply in IEST, IIT, NIT, IISc.
6. Commercial Papers duly signed & must be attached.

SECTION II: TECHNICAL SPECIFICATIONS :-

Item 1.

Advanced PC Interface Software for IVM, preferably MFC

Key Features & Specifications :-

- It should have a characterization environment is for Precision Current-Voltage Analyzer Series.
- Multiple measurement modes for quick setup and measurement execution (application test, classic test, tracer test, quick test and oscilloscope view)
- Graphical display, automated analysis capabilities and data generation to Excel and image for analysis and reporting
- Built-in database (workspace) records test data automatically and simplifies the data management without numerous data files
- GUI-based control of the IVM
- Easy EXPERT remote control function supports the remote measurement execution of application tests that are created on GUI interactively, via the LAN interface
- Data back capability and various data protection feature for shared usage by multiple users
- It should have Application test mode that provides convenient task oriented point and click test setup and execution with the hundreds of pre-refined test setups (application tests) prepared for the Precision Current Voltage Analyzer series
- It should have analysis tools such as auto-scaling, marker and line operation, multiple Y axes capabilities etc.
- It should have the facility to export data directly to an Excel spreadsheet without saving as a CSV file and also the graph in this window should be able to be exported as an image file for reporting purpose.
- It should have Tracer test Mode which will allow sweep measurements to be modified in realtime.
- The software should also be able to support switching matrix if required.
- The workspace in the software should have the option to be set as private or public.
- The software should also have user level access control feature.
- It should be compatible with Device Modelling softwares.

Item 2.

Tech. Spec. for Multi-Instrument Software Control :-

The software should be capable of the following :

- Configure the most commonly used controls and measurements from instruments.
- Visualize multiple measurements simultaneously
- Easily log and export data and images in a few clicks for faster analysis
- Quickly create automated test sequences with minimal instrument knowledge
- Access deeper instrument controls and solutions

The software should have Test Flow Option which would be capable of the following :

- Create custom test sequences fast and intuitively
- Combine multiple instruments into a sequence for better DUT characterization
- Drag-and-drop controls for rapid test prototyping
- View data logs in tabular or graphical form

Necessary Cables should be supply for interfacing of the software.

Besides IVM , the software should also be compatible with general purpose instruments such as DMM , Function Generation , Oscilloscope , Power supply etc for future use and application.