

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

Advt.No. WEB/IEST/CEGESS/18-19/81 Date: 07.01.2019

### Notice Inviting Quotations

Sealed quotations are invited for the supply of :

**Item 01. Grid Tied Inverter 10 kW**

**Item 02. Handheld LCR Meter**

**Item 03. 6½-Digit Bench-top DMM.**

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 : Prof. P.K. Nandi / Prof. H. Saha**) between 10.30 a.m. and 5.30 p.m. on all working days. The invitation is valid for 07 working days from the date of publication of this notice.

## **SECTION I: TERMS & CONDITIONS**

1. The last date of receipt of quotation is valid **for 07 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:

**Prof. P.K. Nandi / Prof. H. Saha**  
**CEGESS**  
**IEST, Shibpur**  
**Howrah-711 103, India.**

3. **Item name must be mentioned on cover. If any vendor wants to quoted for multiple item, they should be quoted individually item wise in sealed envelope. Combine quotation of different item will not be accepted. Order will be placed item wise.**
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% ( **CGC will be provided by IEST, Shibpur**).  
Price should be CIF, IEST, Shibpur basic. (**Clearing charges and Custom duty will not be paid extra, it should be include with base price.**)
5. Vendor should have proven track record of supply of same item and same value in IEST, IIT, NIT, IISc and they will get extra privilege.
6. Commercial Papers duly signed & must be attached.
7. Quotation has to be kept valid for acceptance for a period of 6 months without any modifications in its terms and conditions.
8. Documents to be submitted with the Quotations :
  - General Conditions (Section I) and Important Instruction (Clint list) in original duly signed by the Proprietor/ Partner/ Director of the company as a token of acceptance of Terms and Conditions of Tender.
  - Latest PAN Card, GST documents and copy of valid Trade License. (Photo copy duly signed) (Compulsory).
9. IEST, Shibpur, reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

## **SECTION II: TECHNICAL SPECIFICATIONS :-**

### **Item 01.**

#### **Specification for Grid Tied Inverter 10 kW**

---

Max. DC power-12000W  
Max. Input DC voltage- 1000 VDC,  
Nominal DC operating voltage-600V  
Max. Input current-11/11A  
Operating voltage range-160-950V  
Min. number of MPPT-Two  
AC nominal power-10000 Watt  
Nominal AC Voltage-Three phase, 310-480V, 50Hz  
Max. AC Current-16A  
Current THD less than 2%  
Power factor 0.8 lead / lag

### **Item 02.**

#### **Specification for Handheld LCR Meter**

---

Test frequency max. 100kHz, count resolution 20000, component analysis with DCR ESR Z D Q, Battery powered with computer interfacing device and charging adapter.

### **Item 03.**

#### **Specification for 6½-Digit Bench-top DMM**

---

Connectivity GPIB, LAN / LXI, RS232, USB  
Current Measure AC Max.-10.1A  
Voltage Measure DC Max.-1.01KV  
DMM function: AC/DC current, AC/DC voltage, capacitance, frequency, diode, resistance, temperature.

**[Note :- Reputed Make : Fluke, Agilent, Tektronix or Equivalent]**