

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

Institute Fund :35 - Plan Grant (50)  
Allotment Head: "08000000-63-50" Fixed Assets  
Advt.No. WEB/IIEST/CEGESS/18-19/79  
Date: 20.12.2018

### **Notice Inviting Quotations**

Sealed quotations are invited for the supply of :

**Item 01: Grid Tied Inverter, 1 kW**

**Item 02. DC/DC Converter**

**Item 03. Variable DC CCCV Power Supply.**

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.
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 Income Tax, Sales Tax, Professional Tax, CST clearance certificates 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, 1 kW**

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Max. recommended DC power-1250W  
Max. Input DC voltage- 400 VDC,  
MPPT Voltage range-55-380V  
AC nominal power-1100 Watt  
Nominal AC Voltage-Single phase, 230V, 50Hz  
Power factor-0.8 lead / lag  
THD less than 1.5%  
Max. AC current-5.5A  
Stand-by consumption-less than 5W

### **Item 02.**

#### **Specification for DC/DC Converter**

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DC/DC Converter for VRFB, Input-32 VDC, Output- 400 VDC, 3kW.

### **Item 03.**

#### **Specification for Variable DC CCCV Power Supply**

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Variable DC CCCV Power Supply, 6-24 VDC, 2A.

Quantity – 4 Nos.