

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

**Project Code: DRC/MNRE/CEGESS/HS/006/11-12**

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

**Notice Inviting Quotations**

Sealed quotations are invited for the supply of **5 KVA Offline UPS** as per the following technical specification. The relevant 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. H. Saha) between 10.30 a.m. and 3.00 p.m. on all working days. The invitation is valid for 7 working days from the date of publication of this notice.

**Dean (R & D)**

**(A. Code DRC-T041/16-17)**

## **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:

**Prof. Hiranmay Saha  
Chair Professor & Project Investigator  
CEGESS  
IIEST, 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.

## TECHNICAL SPECIFICATIONS - OFFLINE UPS 5KVA

Product	Offline UPS
Capacity	5 KVA
Technology	MOSFET-PWM
Input	Single
Voltage & Frequency	230 V $\pm$ 20% & 50 Hz $\pm$ 5%
Output	Single
Voltage & Frequency	230 V $\pm$ 20% & 50 Hz $\pm$ 5%
Waveform	Modified Sine Wave
Power Factor	0.8
Efficiency	>80%
Battery	
Type	SMF/VRLA
Battery Back time	120 min
<b>Features</b>	
	Cold Start & Over Load Reset
	Spike & Surge Suppressor, Inverter Bypass,
	Power Saver, No Load Shutdown
	& Front Panel LCD Display
Protection	
Charger	Charger Fuse/Circuit Breaker
	Mains Low & High Voltage Cut-off, Over
Inverter	Load Cut-off
	& Short Circuit Protector
Battery	Over Charge Voltage & Current Cut-off & Battery Deep Discharge Cut-off
Indication	
Visual	Mains On, Charger On, Inverter On, Over Load & Battery Low
Audible	Inverter On, Over Load & Battery Low
Environment	
Altitude	0 - 2000 m
Temperature	0 - 40 °C
Humidity	95% Non Condensing
Noise	<60 dB
Installation & Commissioning with require accessories	YES