

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

Project Code: DRC/DST/CEGESS/HS/043/10-11

**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

Item 1. 2.0 Ton Wall Mounted Split Air Conditioner (5-star, ASGA24ACT/ASGA24FTTA), Item 2. Digital Ultrasonic cleaner with Basket , Item 3. PECVD (Plasma-enhanced chemical vapor deposition) Spares, Item 4. Muffle Furnace, Item 5. VRLA sealed Maintenance free Battery for 6KVA online UPS, 6. Hepa Filter.

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. 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-T031/17-18)

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:

**Prof. Hiranmay Saha
Chair Professor & Project Investigator
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.
- 5.** Vendor should have proven track record of supply in IEST, IIT, NIT.
- 6.** Photo copy of Sales Tax & Commercial Papers duly signed & must be attached.

SECTION II: TECHNICAL SPECIFICATIONS:

Item 1.

2.0 Tonnage, Wall Mounted Split Air Conditioner (5-star,):

Copper condenser, tropical rotary high capacity compressor, wireless LCD remote control, auto off, double swing automatic -3D timer, BTH/Hr-25200, powder coated outdoor unit. Installation including kit (12 fts). Warranty-on-site 1yr, 5yrs on compressor.

Quantity – 1 (one).

Item 2.

Technical Specification of Digital Ultrasonic cleaner with Basket:

Type of Product : Digital Ultrasonic cleaner

Capacity (Litres) : 9 Ltr.

Ultrasonic Frequency : 33 KHz \pm 3 Hz

Digital Timer : 5-60 minutes

Heating : 0-80°C / 500 watt

Power : 250 W

Material : Stainless steel

Features : With Basket

Internal Dimensions (tank) : 11"x7"x7"

Item 3.

Technical Specification of PECVD (Plasma-enhanced chemical vapor deposition) Spares :

- | | |
|---------------------------|------------|
| 1. Butter fly valve QSV-6 | - 2 pieces |
| 2. Clamp K-10 | - 5 pieces |
| 3. Clamp K-16 | - 5 pieces |
| 4. Clamp K-25 | - 5 pieces |
| 5. Inner SS ring for K-10 | - 5 pieces |
| 6. Inner SS ring for K-16 | - 5 pieces |
| 7. Inner SS ring for K-25 | - 5 pieces |

Item 4.

Technical Specification of Muffle Furnace :

1. Digital Temperature Range : Ambient to 1050°C.
2. Working Chamber Size : 6" X 6" X 10".
3. Minimum Ramp Rate for heat up : 3°C per minute
4. Complete with Pyrometer, Thermocouple and Compensation Lead
5. Real-time Temperature Monitoring
6. Maximum Power Wattage : 4.5 KW

Item 5.

Technical Spec. of VRLA sealed Maintenance free Battery for 6KVA

online UPS:

1. 16 Number 42AH 12Volt sealed Battery (Preferred brand Amron/Exide).

Note: Including Installation Rack.

Item 6.

Technical Specification of Hepa Filter:

EU-13, Minipleat Hepa Filter, 24" x 24" x 3",

Capacity : 700 cfm.