

**Indian Institute of Engineering Science and Technology, Shibpur**  
**(Formerly Bengal Engineering and Science University, Shibpur)**

**Ref. Web/MND/IEST/16-17/68 Date:07.02.2017**

**For second phase repair of existing PECVD unit at Dr. M. N. Dastur School of  
Materials Science and Engineering  
Allotment Head: 08000000-52-50**

**Dated: 07 February, 2017**

Sealed quotations are invited for procurement of vacuum pump to be integrated with the existing Plasma Enhanced Chemical Vapor Deposition (PECVD) unit installed in the SMALL lab of Dr. M. N. Dastur School of Materials Science and Engineering

1. Bidders are to submit the tenders in **sealed envelope** at the following address:  
Tender No.:Advt.No.Web/MND/IEST/16-17/68  
Prof. S. Chatterjee  
Director  
Dr. M. N. Dastur School of Materials Science and Engineering  
Indian Institute of Engineering Science and Technology, Shibpur  
Howrah-711103.
2. The last date of receipt of Bids is **16<sup>th</sup> February, 2017** up to **3.00 p.m.** Bids received later will not be entertained under any circumstances.
3. Date and time of opening of bids is **17<sup>th</sup> February, 2015** at **11.30 a.m.** and the place of opening of bid is the **sub-library** of **MND-SMSE**, IEST, Shibpur, Howrah-711103.
4. Bidders are requested to visit MND-SMSE to visually inspect the present condition of the existing PECVD unit and to form an idea of the present status of the instrument prior to submitting the bid.
5. The price quoted should be **inclusive of all taxes, duties, levies and transportation.** Inclusion of tax/levy at a later stage will not be accepted.
6. The Bids should be submitted along with this tender document with the terms & conditions duly signed by the proprietor/ partner/director of the company as a token of acceptance of terms & conditions of tender.
7. Warranty/guarantee for the item of equipment supplied shall be on 'all comprehensive' basis (i.e., including repairs, replacements, maintenance, etc.).

8. The minimum applicable period of all comprehensive warranty for the item of **equipment** shall be **12 (twelve) months**, unless mentioned otherwise, from the **date of installation**.
9. The supplier / manufacturer shall provide **training** in operation and application of the PECVD unit after successful installation to user scientists and/or scholars at IESTS.
10. Installation & commissioning will be the sole responsibility of the Supplier.
11. **Indian Institute of Engineering Science and Technology, Shibpur, reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.**

We accept the above terms and conditions.

Dated:

Signature of Bidders/Suppliers

With date & Seal

## **Technical Specifications**

### **Rotary vacuum pump (1 No.) and accessories for integration with PECVD**

- ◆ Double stage oil sealed
- ◆ Directly driven by single phase motor
- ◆ Vacuum :  $2 \times 10^{-2}$  Torr will be preferred but  $10^{-1}$  Torr may also be considered given price limitations
- ◆ Noise level : 60.0 dB or better
- ◆ Displacement: 200-300 Lts/min

The pump should be integrated with the existing PECVD and the following accessories should be quoted along with the pump:

- ◆ Magnetic isolation valve,
- ◆ Backing valve
- ◆ Air admit valve
- ◆ Vacuum gauge with controller and readout

All other necessary tubing and other accessories (if any) required to establish proper connections with the PECVD to be quoted, supplied and integrated.