



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Chemical Engineering

Contact:
Dr. Siddhartha Panda
Department of Chemical Engineering
Telephone: +91 512 259 6146
Email: spanda@iitk.ac.in

Enquiry No: IITK/CHE/FIST/PGRL-1

Enquiry Date:15/05/2018

Closing Date:05/06/2018

Tender Notice

Sealed quotation(s) in Indian Rupees with all technical details so as to reach latest by 3:00 PM on June 5, 2018 are invited for the supply of following item

Tender Specifications of Sputter Coater for Gold and Carbon Coating of non-conducting specimens with FESEM quality analysis:

- 1) Should allow sputtering of a range of nonoxidizing /noble metals such as gold (Au), platinum (Pt) and palladium (Pd).
- 2) Should allow Carbon coating using Carbon rods & fibre using advanced designed carbon evaporation gun.
- 3) Planar Magnetron Sputter Head.
- 4) Specimen Table Diameter: rotating stage 50 mm or more, flat with option to hold several 1/2 inch FESEM stubs
- 5) Working Distance: (minimum) 38 mm or better & (maximum) 80 mm or better
- 6) Thickness: Provision to measure and control the thickness deposited
- 7) The sputtering process should be monitored with quartz crystal for accurate measurements.
- 8) Minimum Vacuum: 7×10^{-3} mbar or better
- 9) Pump Requirements: Rotary pump with capacity of $5 \text{ m}^3/\text{hr}$ or higher.
- 10) Vacuum Gauge: Pirani
- 11) Process gas (for Sputter Coater): Argon, reduced pressure, 99.99% purity
- 12) Loading of chamber: Easy access, easy cleaning with no alignment problems.

- 13) One touch operation via intuitive touch screen interface.
- 14) USB Port for easy transfer of the log files to PC, software upgrade & reduction of the downtime.
- 15) Automatic regulation of process parameters.
- 16) Vendor must supply Argon gas cylinder along with the instrument.
- 17) Spares: Quartz crystals (100), Gold target (1), Pt target (1), Palladium (1) & Carbon Thread (5 m) should be supplied along with the instrument at no extra cost.
- 18) Comprehensive Warranty(Labour & Parts): 5 Years
- 19) The vendor must have several installations in India, preferably in national institutes and reputed CSIR/other government research laboratories. Moreover, if there is a requirement, the vendor must be prepared for live demonstration at IIT Kanpur at their own expense.

Terms & Conditions:

- 1) Quotations must reach undersigned by 05.06.2018 by 3.00 pm
- 2) Quotations should have a validity of minimum of 90 days.
- 3) Atleast 10 users list should be provided with satisfactory certificates.
- 4) Technical specification sheets, authorization certificate or proprietary certificate (if applicable) and any other relevant documentation should be included with the quotation.
- 5) Quotations are required in duplicate: (1) TECHNICAL BID (2) FINANCIAL BID, in separate Sealed envelopes, both to be finally put in one single envelope with Tender Enquiry Number Mentioned clearly in all sealed envelopes.
- 6) The technical bid should include a signed copy of the compliance certificate against the tender specifications. The compliance sheet should also include reference to (e.g. Page No.) the online brochure of the vendor for every technical specification.
- 7) The tender specifications should be justified with company catalogue.
- 8) Please specify the maximum permissible educational discount, if any.
- 9) Delivery of system should be within 3-4 weeks on receipt of the final purchase order.
- 10) The downtime of service should be taken care within 48-72 hours on information, otherwise it is subjected to penalty.
- 11) The rate offered should show both F.O.B (specify city) in the country of origin and CIF (New Delhi)

12) Please clearly mention the tax rate (like GST etc.) and transportation charges up to IIT Kanpur, India.

13) After sales Service in India and warranty period should be clearly mentioned.

14) The Institute reserves the right of accepting and rejecting any quotation without assigning any reason.

15) Quotations by E-mail will not be accepted.

Kindly mention the enquiry number on the sealed envelope carrying the quotation and send the sealed quotation(s) to the following address:

Dr. Siddhartha Panda

Department of Chemical Engineering

Indian Institute of Technology Kanpur 208016

Kanpur, U. P. India

Phone No:+91-512 2596146, Email: spanda@iitk.ac.in