

October 26<sup>th</sup> 2023

**Global Tender for the procurement of  
“Ion pump for Kratos XPS ” at the Center for Nano Science and Engineering (CeNSE),  
Indian Institute of Science, Bangalore**

The last date of the tender is November 16<sup>th</sup>, 2023

This is an RFQ (Request for Quote) for supply, installation, and commissioning of Ion pump for the Kratos Ultra DLD XPS at MNCF, CeNSE, IISc, Bangalore. This XPS instrument is intended for high-precision surface composition analysis in various fields of Physics, Chemistry, and Material science. The Ion pump will be used to generate an ultra-high vacuum of the order of  $10^{-9}$  in order to generate a sufficient inelastic mean-free path necessary to conduct surface analysis experiments through XPS.

<http://mncf.cense.iisc.ac.in/>

- Bids are sought from qualified international vendors under global tender for **Ion pump required for Kratos XPS** with the specifications mentioned in the table below.
- This order is open to all global Original Equipment Manufacturers (OEM) or their Indian authorized distributor are eligible to send a bid.
- Companies need to submit two bids, a technical bid, and a commercial bid, in two separate sealed envelopes. The bids should be submitted no later than 5 p.m., November 16<sup>th</sup>, 2023, which is 21 days from the date of posting of this tender.
- Detailed technical specifications of the ion pump being offered should be included.
- Proposals should arrive at the CeNSE office, GF-15, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India, by the above deadline. Please mention “Ion pump for Kratos XPS” on the envelopes.
- Deviations from the technical specifications requested are allowed. Such deviations must be highlighted and justified. Their acceptance or rejection will be left to the discretion of the technical committee.
- The Ion pump sought will be used for academic research at the Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science (IISc). IISc is India’s No. 1 academic institution on higher learning and the Center for Nano Science and Engineering is home to one of the best academic fabs and characterization facility in the world.
- The technical response corresponding to the ion pump being offered should be in the form of a compliance table with at least 5 columns. Serial number in column 1. Each of the numbered technical items below should be addressed in a separate row of the table in column 2. Compliance to this requirement, in Yes/No, deviation from it, and justification should be provided in the neighboring columns 3-5.
- For technical questions, please contact Dr. Suresha S J, COO Micro and Nano Characterization Facility (MNCF), Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India. ([sureshasj@iisc.ac.in](mailto:sureshasj@iisc.ac.in))

- The quotation should clearly indicate the terms and conditions of the quotation, delivery, all applicable taxes, customs duty, if any, payment terms, warranty coverage, etc.
- The commercial bid must include the price in Indian/Foreign currency CIP/CIF
- The warranty should be for a period of 1 year from the date of installation and acceptance.
- The offer shall be valid 90 Days from the date of opening of the commercial bid.

1	Primary Description	<b>Ion pump for Kratos XPS</b>
2	Quantity	1 Nos.
Specs of Ion pump for Kratos XPS		
3	Volume:	600l
4	Element Style:	DI
5	Port Options:	Two ports inline 8CF (DN 160 CF)
6	HV Feedthrough:	10kV SAFECOM
7	Heater Voltage:	240 Volt
8	TSP/NEG:	TSP and Cryoshroud
Common terms and conditions		
9	The vendor must provide installation, warranty and integration services for the new Ion pump.	
10	Shipping: The cost of shipping up to IISc should be included.	