

Tender Notification for procuring a PUMP and Controller to FEI, ESEM Quanta 200 for the Advanced Facility for Microscopy and Microanalysis at IISc., Bangalore.

Sub: Request for quotations for Pump and controller to FEI, ESEM Quanta 200, TMP and DP.

Commercial Terms and Conditions:

1. Quotations are invited in a two - bid system (separate technical and financial bid) in sealed tenders.
The supplier is requested to provide compliance statement for each of the items listed in the technical specifications and demonstrate compliance after complete installation.
2. Technical bid and financial bid to be sent to :
Prof. N. Ravishankar
Materials Research Centre,
Indian Institute of Science,
Bangalore – 560 012
3. The last date for receiving tender quotations will be: 8th July, 2019.
4. Technical bids will open first.
The buyer may seek clarifications after opening of technical bids.
The supplier will be informed the dates of presentation, if required.
5. The technical bid must be the exact format of quotation of the price bid without including any other prices. Do not include any price information in the technical bid.
6. The supplier must quote in specific format to facilitate for the comparative statement of prices and technical evaluation.
7. Only technically qualified bids will be considered for further action.

8. The price bids will be opened in the presence of technically qualified supplier and the purchase committee.
9. The quotations will be for CIF, IISc., Bangalore. The insurance and the freight charges must be indicated in the CIF.
10. The warranty should be for atleast one year from the date of handing over.
11. Terms of Payment: As per negotiation.
12. The supplier shall clearly indicate the exact delivery period in the technical bid.

System details :

The FEI ESEM Quanta 200 is a versatile scanning electron microscope with three imaging modes. The "high vacuum mode" (HV) is a conventional SEM mode with the need of conventional specimen preparation. In the "low vacuum mode" (LV) electrically non conductive samples can be imaged without the need of a conductive layer (e.g. carbon, gold etc.). Additionally in the "ESEM mode" (ESEM) wet samples can be investigated in their "natural" state.

Part required and description:

Pump & Controller

The pump must be controlled by a controller suitable for Quanta 200 digital electron Scanning Microscope and should work in conjunction with other pumps and gauges and valves in system and follow the instruction of software and control PCB present in system. The hardware and software integration is responsibility of the vendor supplying the pump.

The pump type must be hybrid bearing compound turbomolecular pump. It must combine proven bearing technology (oil lubricated ceramic lower bearing with dry permanent magnetic upper bearing), an improved rotor design with a new molecular drag stage to deliver improved pumping speed and compression ratios, and user serviceability. It must be with a built-in drive that is fully compatible with SEM and should follow the instruction of software. The pump must achieve required vacuum level as desired by system within specified time as per operating software.

1	Publishing/uploading tender document to IISc Website	10.07.2019
2	Last date for submission of bids	20.07.2019, 5.00 PM
3	Technical bids opening	22.07.2019 (Forenoon)
4	Commercial bids opening	22.07.2019 (Afternoon)