टाटा मूलभूत अनुसंधान संस्थान हैदराबाद
TATA INSTITUTE OF FUNDAMENTAL RESEARCH HYDERABAD
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Global Tender Ref. No. TIFR/PD/GT/IC24-05/240696 for "Supply, Installation and commissioning of Liquid Chromatography Mass Spectrometry for TIFR Hyderabad".

Sub: Pre-Bid meeting Clarification against Global tender issued for "Supply, Installation and commissioning of Liquid Chromatography Mass Spectrometry for TIFR Hyderabad" (Tender Ref. No. TIFR/PD/GT/IC24-05/240696)

Dear Bidders/Vendors,

With reference to the above Global tender, the following bidders have participated in the pre-bid meeting on 20-09-2024 at 11.00Hrs

1. M/s. Agilent Technologies India Pvt. Ltd, Bangalore.
2. M/s. Sciex India private Limited, Mumbai.
3. M/s. Waters (India) Pvt Ltd, Bangalore
4. M/s. Thermo fisher Scientific India Pvt Ltd, Hyderabad.
5. M/s. Smart Labtech Pvt Ltd, Hyderabad.
6. M/s. Spincotech Systems LLP, Chennai.

The above bidders participated through a Zoom online meeting for the Technical and Commercial details of the above Tender.

Technical clarification are as follows:

Page 3: Nano-flow UHPLC system specifications

Point # 4: Flow rate range: Loading pump: 1 – 50 µL/min; nano-gradient: 200 – 500 nL/min (up to 1000 nL/min at reduced maximum pressure)

Page 4: Mass spectrometer (MS) specifications

Point # 5: Scan modes: Must acquire and display Full Scan mass spectra (MS), Full Scan MS/MS

spectra, Selected Reaction Monitoring/Multiple Reaction Monitoring (SRM/MRM) like data sets (Parallel Reaction Monitoring), multiplexed SIM and multiplexed MS/MS mass spectra of up to 10 simultaneously detected precursor ions. The instrument should be capable of simultaneous MS, and MS/MS scanning. Must acquire and display Full Scan mass spectra (MS), Selected Ion Monitoring (SIM) scan data for monitoring selected ions for target compound analysis. Timed SIM for scheduled data acquisition of target compounds. The system must have a provision to minimize collection of MS/MS on background ions during acquisitions to increase identification of low-level analytes in the presence of background noise. Intact mass analysis should also be possible. If a company some other name for the above mentioned scan modes, they should state this in their technical bid.

Page 4: Mass spectrometer (MS) specifications

Point # 11: Fragmentation modes: Collision-induced dissociation (CID) and user-tunable electron-based fragmentation modes operate at electron energies from 0 to 25 eV for QTOF; and high-energy collision (HDC) for Orbitrap.

Page 5: Mass spectrometer (MS) specifications

Point # 13: Sensitivity: For 200-500 fg of known company MS standards: full scan MS mode must have S:N > 500:1; and/or MS/MS mode must have S:N > 250:1.

प्रशासवनक अवधकारी / ADMINISTRATIVE OFFICER
(क्रय अनुभाग) / (PURCHASE SECTION)
टीआईएफआर हैदराबाद / TIFR HYDERABAD