



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

PREBID CLARIFICATION ON TENDER NUMBER - IISER/PUR/2052/21

Item Description- Procurement of Triple Quadrupole Mass Spectrometer with UHPLC System.

Refer a global tender published on Institute website www.iiserpune.ac.in and on CPP Portal on **20/06/2022**.

Pre-Bid meeting was held on **30/06/2022** at **3.00 PM** and minutes of meeting is as under:

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (S&P) to brief the bidders on the salient features of the tender.

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website www.iiserpune.ac.in will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

30/06/2022

Sd/-
Assistant Registrar (S&P)

TECHNICAL QUERIES AND CLARIFICATION

PRE-BID CONFERENCE FOR PROCUREMENT OF TRIPLE QUADRUPOLE MASS SPECTROMETER WITH UHPLC SYSTEM

S. No	Query/Clarification Sought	Clarification / Amendment
1	<p>Technical specification: (Page No. 20 Chapter No.4, Point No.1) UV detector should be quoted with wavelength range 190 - 700 nm</p> <p>Modification requested: Please remove this accessory/ detector. Set of applications mentioned in the tender are very well possible without UV. Majority of the lipids are non-chromophore in nature</p>	<p><i>Page No. 20 Chapter No.4, Point No.1 is amended as:</i></p> <p>UV detector removed from the list of accessories for the pump.</p>
2	<p>Technical specification: (Page No. 20 Chapter No.4, Point No.3) Quadrupole mass range: at least 5 - 2000 or better</p> <p>Modification requested: Quadrupole mass range should be: 5 - 3000 m/z. Applications like polymers, therapeutic peptides, large lipids may range more 2500 of mass range. Hence, to keeping mind the future perspective of the application and instrument usability, requesting you to make this change.</p>	<p><i>Page No. 20 Chapter No.4, Point No.3 is amended as:</i></p> <p>Quadrupole mass range: 5 - 3000 m/z</p>
3	<p>Technical specification: Sensitivity: (Page No. 21 Chapter No.4, Point No.3) 1pg of Reserpine should have signal to noise of 2,50,000:1 and on column instrument detection limit of less than 4fg,</p>	<p>Tendered specifications remain unchanged</p>

	<p>to be present in official datasheet; 1pg of Chloramphenicol should have signal to noise of 2,50,000:1 and on column instrument detection limit of less than 4fg, to be present in official datasheet. It should be demonstrated in front of committee and mentioned value should be there in the submitted official datasheet and should be reproduced after installation.</p> <p>Modification requested: Please make it S/N 3,50,000 in both positive and negative mode. Triple quads are quantitative instruments; hence a better sensitivity will always be preferable. All our suggestions/amendment requests are to minimize the additional accessories, which might be of use in the intended applications, and utilize it to go for a better sensitivity model. If this change is made, we will be able to quote the most suitable model for applications in tender, also considering the budget mentioned.</p>	
4	<p>Technical specification: <i>(Page No. 22 Chapter No.4, Point No.4)</i> The system should be quoted along with 2 offline data processing computers and 1 data acquisition computer.</p> <p>Modification requested: Please remove 2 additional PC. Since the budget is already mentioned in the tender it will become very difficult to provide a quality solution if so many peripheral accessories are added along with. PCs can always be purchased but currently, it is adding to the cost.</p>	<p>Page No. 22 Chapter No.4, Point No.4 is amended as:</p> <p>The system should be quoted along with 1 data acquisition computer. Minimum specifications for the computer: 64 GB RAM, 10 TB hard disk, most recent version of Windows compatible with acquisition and data processing software, mouse, English keyboard, and a 24 inches' screen. All software (and potential upgrades) should be compatible with the operating system.</p>
5	<p>Technical specification: <i>(Page No. 22 Chapter No.4, Point No.5)</i> Software for discovery lipidomics and metabolomics applications as well as other related and relevant applications mentioned, that can perform both qualitative and quantitative analyses with statistical tests, should be provided and quoted. The software should have full-</p>	<p>Page No. 22 Chapter No.4, Point No.5 is amended as:</p> <p>This point from the technical specification under "Software and data analysis tools" is removed.</p>

	<p>fledged capability to calculate system suitability parameters, both for MS/MS and UHPLC. The software should allow the users to load, process and view results from their sample datasets.</p> <p>Modification Requested: Kindly remove this point as most of the QQQ application would be targeted/quantitative workflows. Discovery metabolomics and lipidomics is a study usually done on a High-resolution instrument. The QQQ system is a quantification instrument and is used to determine the amount of a certain compound in a given matrix. Also, the statistical analysis that is used in MS studies is based on large datasets while qualitatively analyzing the data for patterns and anomalies. This is also preferred on High-Resolution systems. Thus this software may not be of any use to a QQQ user. Therefore, we request to remove this in its entirety.</p>	
6	<p>Technical specification: <i>(Page No. 23 Chapter No.4, Point No.7)</i> Comprehensive Maintenance Contract (CMC) for at least 5 years (if not more) is expected for the entire system including all accessories and offline systems</p> <p>Modification requested: Can it be made 3 years mandatory and 2 years in optional? Considering the budget mentioned, it might be difficult to fit in such a comprehensive warranty with a higher-end QQQ model.</p>	<p>Tendered specifications remain unchanged .</p>