



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

PREBID CLARIFICATION ON TENDER NUMBER - IISER/PUR/1210/22

Item Description- Procurement of Far-IR and mid-IR Spectrometer

Refer an open tender published on Institute website www.iiserpune.ac.in and on CPP Portal on 09/11/2022 for procurement of Far-IR and mid-IR Spectrometer.

Pre-Bid meeting was held on 16/11/2022 at 3.00 PM and minutes of meeting is as under:

At the outset, the committee 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

16/11/2022

Sd/-
Assistant Registrar (S&P)

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION

PRE-BID CONFERENCE FOR PROCUREMENT OF FAR-IR AND MID-IR SPECTROMETER

S. No	Query/Clarification Sought	Clarification / Amendment
1	<p>Chapter 4, Page 24, Column 2, Point 1 (i) Spectral range: FTIR should cover spectral range 7500 - 50 cm⁻¹ using Suitable source, detector and beam splitter. The spectral range must be optionally expandable to at least 28000 cm⁻¹ in UV-VIS region and to 15 cm⁻¹ in the Far IR region. Spectral resolution should be 0.5 cm⁻¹ or better to cover complete spectral range from 7500- 50 cm⁻¹.</p>	<p>Tender Specification prevails.</p> <p>For our requirements, a lower range of 80 cm⁻¹ is sufficient to detect the species of interest in hence, we are not amending this.</p>
2	<p>Chapter 4, Page 24, Column 2, Point 1 (ii) The interferometer must be wear-free and permanently/dynamically aligned to ensure highest reliability and accuracy. Source must be air cooled & electronically stabilized for highest precision and long life time</p>	<p>Tender Specification prevails.</p> <p>Permenantly aligned configuration is recommended as per the original tender specifications, this is keeping in mind that the instrument is a common facility equipment and might need transporting in the future.</p>
3	<p>Chapter 4, Page 24, Column 2, Point 1 (iii) Please remove this line.' It must have electronically coded windows with magnetic mount in the sample compartment'</p>	<p>Tender Specification prevails on the electronically coded windows.</p> <p><i>Tender specification on the magnetic mount can be relaxed, but would like to retain the electronically coded windows for the following reason.</i></p> <p>Electronically coded windows have an advantage to position correct window material in the sample compartment during the measurement. This is required specially if the FT-IR has different spectral ranges configured in FIR/MIR/NIR which requires different windows materials. An automatic prompt of the wrongly placed</p>

		<p>window is possible with this configuration and this is crucial.</p> <p>Tender Specification prevails on the spectral resolution.</p> <p>The tender specification can be relaxed for the time resolved step-scan, but the spectral resolution of 20 spectra/s @8 cm⁻¹ s (standard) cannot be relaxed. This is required for the wide range of samples that would be measured in the instrument.</p>
4	<p>Chapter 4, Page 24, Column 2, Point 2 (i) Rapid scan option: 65 spectra/s @ 16 cm⁻¹ spectral resolution (standard).</p> <p>And please remove line for Time resolve step- scan module</p>	
5	<p>Chapter 4, Page 24, Column 2, Point 3 The FTIR spectrometer must have option for additional sample compartment for mid-IR measurement in transmission mode/ ATR Mode selectable 2 input ports and 2 output ports for futuristic. Please remove photoluminescence in upgradation</p>	<p>Tender Specification prevails.</p> <p>Already in the tender specifications sufficient inputs and outputs and the provisions for future upgradation have been included, no changes is being made in this regard. The photoluminescence in the upgradation list can be removed.</p>
6	<p>Chapter 4, Page 24, Column 2, Point 4 and 5 Industry standard ethernet connection, TCP/IP protocol/ USB</p>	<p>Tender Specification prevails.</p> <p>The USB ports can be added to the specification.</p>
7	<p>Chapter 4, Page 24, Column 2, Point 7 Laser warranty should be 5 years</p>	<p>Tender Specification prevails.</p>