



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-1298-14

ITEM DESCRIPTION- PROCUREMENT OF PARTICLE SIZE & ZETA POTENTIAL ANALYZER

Refer our Press Tender Notice No.IISER/S&P/11/14 dated 2.1.2015 for procurement of particle size & Zeta potential analyzer . Tender Reference Number - IISER-PUR-1298-14.

Pre-Bid meeting was held on January 12th , 2015 at 11.00 AM 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 Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

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](http://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

12.1.2015

Sd/-
Assistant Registrar (S&P)



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF PARTICLE SIZE & ZETA POTENTIAL ANALYZER

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-1298-14

DATE : 12.1.15

S.No	Query/Clarification Sought	Clarification / Amendment
1	<p>Chapter 4, Page No - 23, Specifications for Particle Size Measurement section, Point 3, Temperature range</p> <p>Clarification regarding "modifying the temperature range to 10-90 °C"</p>	<p>Tender Specification prevails and only instrument with temperature control over the range 5-90 °C capability will be accepted.</p> <p>We require temperature around 5 °C for studying various biological samples (like proteins, antibodies etc.).</p> <p>Tender specification prevails.</p>
2.	<p>Chapter 4, Page No - 23, Specifications for Particle Size Measurement section, Point4, Measurement angle</p> <p>Clarification regarding "modifying the measurement angle to 160 - 180 degree"</p>	<p>Tender Specification prevails and only instrument with measurement angle greater than 170 and variable position measurement capability will be accepted.</p> <p>We will be measuring the size of concentrated and turbid samples on a routine basis. For this, we require an instrument that can measure the scattering at angles as close as to 180 degrees. Tender specification prevails.</p>

3	<p>Chapter 4, Page No - 23, Specifications for Particle Size Measurement section, Point5, Source</p> <p>Clarification regarding “(i) changing the power of the source to 10 mW, (ii) modifying the single wavelength source to variable wavelength source and (iii) including diode laser source”</p>	<p>Tender Specification prevails and only instruments with power source less than 5 mW and single wavelength source around 635 nm specification will be accepted</p> <p>We will be measuring the size and zeta potential of samples as a function of time and additives (acid, base, salt etc.). For this, the same sample solution will be irradiated multiple times with the laser source. Hence, it is highly desirable to use a source with as much lower power as possible to prevent the decomposition of the sample due to multiple irradiations. We strongly prefer single wavelength source rather than variable wavelength source. The energy at different wavelengths will be different and it will affect our results. Similarly, we prefer gas lasers over diode lasers because of the long life of the gas lasers. Diode lasers generally have a finite life.</p> <p>Tender specification prevails.</p>
4	<p>Chapter 4, Page No - 23, Specifications for Zeta Potential Measurement section, Point2, Measurement principle</p> <p>Clarification regarding “changing the measurement principle to laser Doppler velocimetry or Electrostatic light scattering”</p>	<p>Tender Specification prevails and only instruments with laser Doppler velocimetry coupled with mixed mode measurement phase analysis light scattering technique specification will be accepted.</p> <p>The measurement principle of laser Doppler velocimetry (or electrostatic light scattering) is already included in the specification. In addition to this, we prefer mixed mode measurement phase analysis light scattering technique to eliminate the role of electroosmosis in zeta potential measurement. Also, the mixed mode measurement technique improves the accuracy and resolution of the measurements.</p> <p>Tender specification prevails.</p>
5	<p>Chapter 4, Page No - 24, Specifications for Zeta Potential Measurement section, Point4, “The option for dip cell”</p> <p>Clarification regarding “providing more details about the dip cell”</p>	<p>Chapter 4, Page No - 24, Specifications for Zeta Potential Measurement section, Point4, “The option for dip cell” is revised to read as:</p> <p>The option for low sample volume measurement cell: The option for a low sample volume (1 - 1.5 mL) measurement cell must be available that will enable measurements in both aqueous and non-aqueous solvents. Specification revised.</p>

6	<p>Chapter 4, Page No - 24, Specifications for Zeta Potential Measurement section, Point5, "Disposable folder capillary cell"</p> <p>Clarification regarding "disposable folder capillary cell"</p>	<p>Chapter 4, Page No - 24, Specifications for Zeta Potential Measurement section, Point4, "Disposable folder capillary cell" is revised to read as:</p> <p>The option for completely disposable cell: The system must be capable of conducting zeta potential measurements using a completely disposable cell. Specification revised.</p>
7	<p>Chapter 4, Page No - 24, General Specifications and Optional Accessories section, point 3, "Cuvette"</p> <p>Clarification regarding "inclusion of general terminology"</p>	<p>Chapter 4, Page No - 24, General Specifications and Optional Accessories section, point 3, "Cuvette" is revised to read as: Cuvette: Two 12 mm o.d. square glass cuvette with round aperture and stopper. Two low sample volume measurement cells compatible for size and zeta potential measurements in both aqueous and non-aqueous solvents. 100 numbers of 12 mm o.d. square disposable polystyrene cuvettes with 100 stoppers. 100 numbers of completely disposable cells with 200 stoppers for zeta potential measurements. Specification revised.</p>
8	<p>Chapter 4, Page 24</p>	<p>Chapter 4, Page 24 , - Modification</p> <p>We would like to add one more specification under the General Specifications and Optional Accessories section. The supplier should verify the specifications of the instrument with standard samples during the installation of the instrument.</p>



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF PARTICLE SIZE & ZETA POTENTIAL ANALYZER

COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-0204-14

DATE : 16.7.14

S.No	Query/Clarification Sought	Clarification / Amendment
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