



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-007-20

ITEM DESCRIPTION- PROCUREMENT OF HIGH FREQUENCY DIELECTRIC
IMPEPENDANCE ANALYZER

Refer IISER Pune open tender number IISER-PUR-007-20 dated 8.5.2020 for procurement of High Frequency Dielectric Impedence Analyzer.

Pre-Bid meeting was held on May 20th, 2020 at 3.30 PM via video conferencing 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 / additons / 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

20.5.2020

Sd/-
Assistant Registrar (S&P)



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF HIGH FREQUENCY DIELECTRIC IMEPENDANCE ANALYZER

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-007-20

DATE : 20.5.2020

S.No	Query/Clarification Sought	Clarification / Amendment
1	<p>Chapter 4; Page 20</p> <p>Capacitance Range:- 0.001 pF -1 F</p> <p>Which types of the testing sample's required capacitance up to 1 F</p>	<p>Chapter 4; Page 20</p> <p>No Change</p> <p>For all high dielectric materials, the capacitance at low temperatures will be high and so a highest capacitance of 1F will attract the full marks in the marking system</p> <p>Tender specification prevails</p>

2	<p>Chapter 4; Page 20</p> <p>Tan Delta Range:- 0 - 10^4 and above</p> <p>Whether the Tan Delta Range requirement can be satisfy within $<10^{-4}$ to 10^3</p>	<p>Chapter 4; Page 20</p> <p>No Change</p> <p>Tan delta resolution is very import for the type of samples being investigated. For certain amorphous materials, high tan delta and resolution is important and a high Tan Delta of 10^4 will attract the full marks in the marking system</p> <p>Tender specification prevails</p>
3	<p>Chapter 4; Page 20</p> <p>Tan delta accuracy:- Around 10^{-5}</p> <p>The Tan delta accuracy is related to phase angle accuracy, and depends on the impedance of sample and frequency measured.</p>	<p>Chapter 4; Page 20</p> <p>This shall be read as</p> <p>Tan delta accuracy:- 10^{-4} and above</p> <p>The higher the Tan Delta accuracy higher is the marks in the marking system. Up to 10^{-4} 1 mark and accuracy above 10^{-4} additional 0.5 mark</p>
4	<p>Chapter 4; Page 20</p> <p>Tan delta resolution:- 10^{-5}</p> <p>Whether Tan delta resolution up to 10^{-4} satisfy the requirement.</p>	<p>Chapter 4; Page 20</p> <p>This shall be read as</p> <p>Tan delta resolution:- 10^{-4} and above</p> <p>The higher the Tan Delta resolution higher is the marks in the marking system. Up to 10^{-4} 1 mark and resolution above 10^{-4} additional 0.5 mark</p>
5	<p>Chapter 4; Page 20</p> <p>Sample Cell:- Standard sample cell for low conductivity materials, complete with gold-plated electrodes 20/40 mm and temperature sensor, Tmax= 400°C.</p> <p>Whether this is a solid sample holder ,what will be the Max. Sample size and is this a part of Nitrogen Cooling Temperature Control</p>	<p>Chapter 4; Page 20</p> <p>This shall be read as</p> <p>Sample Cell:- Standard sample cell for low conductivity materials, complete with high-quality electrodes 20/40 mm and temperature sensor, Tmax > 300°C.</p> <p>Yes, this is a solid sample holder</p>

	System.	The maximum sample size can be 20 mm and above with a maximum thickness of 5mm and above.
6	<p>Chapter 4; Page 21</p> <p>Liquid nitrogen storage and dispenser :- 120L dewar along with a liquid nitrogen evaporator</p> <p>Any specific application requirement for having the dewar capacity of 120L. Whether a 50L capacity of dewar can satisfied the requirement.</p>	<p>Chapter 4; Page 21</p> <p>This shall be read as</p> <p>Liquid nitrogen storage and dispenser :- 100L and above dewar along with a liquid nitrogen evaporator</p> <p>A Dewar capacity of 100 L and above is generally required as we normally perform several experiments with multiple number of heating and cooling cycles at slow scan rate. 50 L capacity dewar is not compatible with our requirements.</p>
7	<p>Chapter 4; Page 21</p> <p>Temperature ramps from 0.1°C/min to 20°C/min</p> <p>Whether is it the need to have temperature ramps upto 20 deg C /min</p>	<p>Chapter 4; Page 21</p> <p>This shall be read as</p> <p>Temperature ramps from 0.1°C/min to 10°C/min</p> <p>It can be flexible to some extent as the fastest ramps may only function up to a certain temperature range. Fast ramps are necessary to screen the known samples for known values and parameters. Useful for characterizing the scaled up samples.</p>



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF HIGH FREQUENCY DIELECTRIC IMEPENDANCE ANALYZER

COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-007-20

DATE : 20.5.2020

S.No	Query/Clarification Sought	Clarification / Amendment
1.	Provision for making ONLINE PAYMENT for tender fees, EMD, or any other fees, incidentals to be provided due to lockdown.	Yes, ONLINE PAYMENT for tender fee and EMD amount can be deposited in IISER PUNE Bank account through net banking as mentioned below. Name-IISER PUNE Bank-State Bank of India Branch-NCL Campus Branch, PUNE 411008 Current A/c No. 30042605732 IFSC-SBIN0003552