



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Srinivasapuram, Venkatagiri Road, Jangalapalli Village, Panguru (G.P), Yerpedu Mandal,
Tirupati District, Andhra Pradesh India – 517619.

CLARIFICATION ON TENDER NUMBER: IISERT-PUR-0122-24

ITEM DESCRIPTION PRE-BID CONFERENCE FOR THE PROCUREMENT OF X-RAY PHOTOELECTRON SPECTROMETER (XPS)

Refer our Tender No: **IISERT-PUR-0122-24** dated **29th-November-2024** for the procurement of X-ray photoelectron spectrometer (XPS).

The pre-Bid meeting was held on **December 6th, 2024** at 15:30 Via Google Meet and the minutes of the meeting are as under.

At the outset, the Deputy Registrar (A&P) welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter briefed 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-I**

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 Tirupati 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 <http://www.iisertirupati.ac.in/> will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with a vote of thanks

20/12/2024

Sd/-
Deputy Registrar (A&P)



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Annexure - I

PRE-BID CONFERENCE FOR - FOR THE PROCUREMENT OF X-RAY PHOTOELECTRON SPECTROMETER (XPS)

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT/PUR/0122/24

DATE: 17/12/2024

Sr. No	Query/Clarification Sought	Clarification / Amendment
1.	System Requirement: We request you to put the point for possibility for Raman, ISS and REELS upgradability in the main system requirement.	No changes to the tender specifications
2.	X-ray source: We request to remove the additional Al K α alternate source from the tender specification.	No changes to the tender specifications
3.	X-ray source: We request you to change the sign to “ \leq ”	No changes to the tender specifications
4.	Mode of Analysis: We request you to change the count rate to 6.5 Mcps	No changes to the tender specifications
5.	Depth profiling Analysis: We request to remove He, Ne, Xe gases.	The specification is revised to clarify it refers to any one of the inert gas ion sources. The modified statement will read as <i>“A software controlled, variable, fine focused inert gas (Ar/He/Ne/Xe) ion source must be provided for surface cleaning and high-speed depth profiling.”</i>
6.	Charge Neutraliser System: The system should be equipped with a robust charge neutralization system which should produce both electrons and ions from the same source.	No changes to the tender specifications

7.	Charge Neutraliser System: We request you to change it to $\leq 0.82\text{eV}$	No changes to the tender specifications
8.	Sensitivity: We request to increase the required count rate to 6.5 Mcps @ 400um spot.	No changes to the tender specifications
9.	Sensitivity: We request you to change it to $\leq 120\text{ W}$.	No changes to the tender specifications
10.	Warranty: Please remove the X-ray source, tip seals, consumables. Warranty will not cover the consumables.	No changes to the tender specifications
11.	X-ray source: Please confirm whether this a dual anode to be quoted or and additional Al K α source to be quoted separately as a spare/consumable	No changes to the tender specifications This is not a dual anode but additional Al K α source to be quoted separately.
12.	Depth profiling Analysis: Request to change to: A software controlled, variable, fine focused inert gas (Ar) ion source must be provided for surface cleaning and high-speed depth profiling	The specification is revised to clarify it refers to any one of the inert gas ion sources. The modified statement will read as <i>"A software controlled, variable, fine focused inert gas (Ar/He/Ne/Xe) ion source must be provided for surface cleaning and high-speed depth profiling."</i>
13.	Depth Profiling Analysis: Clarification on whether a Cluster Gas Gun is to be quoted in the main system.	No changes to the tender specifications This point is not pertaining to separate Cluster Gas Gun.
14.	Sample holder and Stage manipulator: Clarification on whether heating, cooling and electro chemical in operando holders are also to be quoted.	The request is considered, and the following additional point is added to the existing specification <i>"Holders for heating and electrochemical studies are to be quoted."</i>



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15.	Optional Items: Request to change to: Option for upgrading Reflection Electron Energy Loss Spectroscopy (REELS) or equivalent technique and ion scattering spectroscopy (ISS) or equivalent should be possible.	No changes to the tender specifications
16.	Optional Items: Option of upgrading to Integrated Raman system. Request to remove this completely	No changes to the tender specifications
17.	Optional Items: Request to add other upgrades such as Scanning Auger Spectroscopy and HAXPES	No changes to the tender specifications

FINANCIAL QUERIES AND CLARIFICATION

Sr. No	Query/Clarification Sought	Clarification / Amendment
1.	The security deposit to be submitted is mentioned as 10% in some places (Page no 9, point no. t of the tender document; and 5% at Chapter no 2 , Point no 3, page no 17 and Chapter no , point no 5 page no 22. Please clarify what it the correct percentage to be submitted.	Please read the security deposit as 5% instead of 10%.
2.	Provision of the optional items to be quoted in the BoQ of the e-procurement portal as well as uploading for pdf file should be available to quote for optional items as currently the BoQ does not have this facility.	Please upload the Optional items in the PDF file under the financial cover.
3.	Financial comparisons will be done on FCA/FOB or on CIP/CIF incoterms.	Based on the quotation submitted by the vendor. Normally the quotation has to be up to Chennai with CIP incoterms.
4.	Whether optional items will be considered during the final technical and financial evaluations to declare the successful bidder.	Compliance of optional items will be considered when considering the technical qualification of the bid. Optional items will not be part of commercial bid for qualifying L1
5.	Delivery period of the system is mentioned as 90 days from the date of the order placement. We request this should be changed to 10-12 months from date of the order as these systems need elaborate testing due to ultra-high vacuum requirements.	The request is considered, and the change is made as follows: <i>"The delivery & installation must be completed within 6-8 months after placement of purchase order."</i>


Committee Signature/Approval:

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(Approved through Email) Prof. G. Ranga Rao Department of Chemistry IIT Madras	(Approved through Email) Prof. Vinod C Prabhakaran Catalysis Division CSIR-NCL Pune	(Approved through Email) Prof. C. Subramaniam Department of Chemistry IIT Bombay
(Approved through Email) Dr. Vanchiappan Aravindan Department of Chemistry IISRT Tirupati	(Approved through Email) Dr. Janardan Kundu Department of Chemistry IISRT Tirupati	 Dr. Jatish Kumar Department of Chemistry IISRT Tirupati