

**टाटा मूलभूत अनुसंधान संस्थान हैदराबाद**  
**TATA INSTITUTE OF FUNDAMENTAL RESEARCH HYDERABAD**  
**प्लॉट नं. ३६/पी, गोपनपल्ली ग्राम, सेरिलिंगमपल्ली मंडल, रंगा रेड्डी जिला,**  
**हैदराबाद – ५०० १०७, तेलंगाना.**  
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तिथि /Date: 21-08-2024

**Global Tender Ref. No. TIFR/PD/GT/CA24-03/24-25/M/03 for Supply, Installation and Commissioning of Electron Microscope for TIFR Hyderabad.**

**Sub: Pre-Bid meeting Clarification against Global tender issued for Supply, Installation and Commissioning of Electron Microscope for TIFR Hyderabad (Tender Ref. No. TIFR/PD/GT/CA24-03/24-25/M/03)**

Dear Bidders/Vendors,

With reference to the above Global tender, the following bidders have participated in the pre-bid meeting on 01-08-2024 at 11.00Hrs

1. M/s. Carl Zeiss, Hyderabad
2. M/s. Thermofisher scientific Pvt. Ltd., Bangalore
3. M/s. Lab India Instruments Pvt. Ltd., Hyderabad
4. M/s. JEOL India Pvt. Ltd., New Delhi

The above bidders participated through a Zoom online meeting for the Technical and Commercial details of the above Tender.

Technical and Commercial clarification are as follows:

<b>Refer Page 3 of tender document of Annexure –A</b>	
1.1 Resolution	
<ul style="list-style-type: none"><li>• In high vacuum (SE) (<math>\leq 0.7</math> nm at 15kV)</li><li>• In high Vacuum (SE) (<math>\leq 1.4</math> nm at 1 kV)</li></ul>	
<u>Clarification Sought:</u> The Bidder requested to change resolution in High Vacuum (SE) from 0.7nm at 15kV to 0.9 nm at 15kV and 1.4nm at 1kV to 1.7nm at 1kV in the specification.	<u>TIFRH Response:</u> The resolution in High Vacuum (SE) remains unchanged at $\leq 0.7$ nm at 15kV and $\leq 1.4$ nm at 1kV.

<b>Refer Page 4 of tender document of Annexure –A</b>	
1.6 Detector:	
6. Motorized retractable STEM detector with BF,DF,HAADF (system should support mounting the prepared lamella to STEM holder through Nano manipulator without venting main chamber). Resolution of STEM detector should be atleast 0.6nm @ 30kV.	
<u>Clarification Sought:</u> The Bidder has requested to change Resolution of STEM detector from 0.6nm to 0.8nm.	<u>TIFRH Response:</u> The resolution is changed to 0.7 nm @ 30kV.
1.6 Detector:	
7. Dedicated ion column detector	
<u>Clarification Sought:</u> The Bidder has requested to change from Dedicated ion column detector to ion column detector.	<u>TIFRH Response:</u> Dedicated ion column detector is changed to Ion column detector.
<b>Refer Page 5 of tender document of Annexure –A</b>	
9. Vibration isolation:	
System should have efficient vibration isolation.	
<u>Clarification Sought:</u> The Bidder has requested to change efficient vibration isolation to Active vibration isolation.	<u>TIFRH Response:</u> This remains unchanged. Vendors may choose their vibration isolation platform as long as the resolution criteria and other critical specifications of the instrument are met.
<b>Refer Page 7 of tender document of Annexure –A</b>	
15. Installations in India	
Minimum 3 installation of similar configuration in India should be available in the past 5 years. Please mention details.	
<u>Clarification Sought:</u> The Bidder has requested to change Minimum 3 installation of similar configuration in India to Minimum 3 installation of similar configuration in worldwide.	<u>TIFRH Response:</u> This remains unchanged. Minimum 3 installations of similar configuration in India should be available in the past 5 years.

**प्रशासनक अवधकारी / ADMINISTRATIVE OFFICER**  
**(क्रय अनुभाग) / (PURCHASE SECTION)**  
**टीआईएफआर हैदराबाद / TIFR HYDERABAD**