



भारतीय प्रौद्योगिकी संस्थान इंदौर  
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Dec 05, 2024

IIT Indore

NIT No.: IITI(MM)/SIC/1/1A/452/DAB/2024-25

### PREBID REPORT

The online meeting for Pre-bid discussion and presentation was held via Google Meet on Nov. 25, 2024 @ 15:00 Hrs at IIT-Indore for Procurement of High Resolution Transmission Electron Microscope (HRTEM) and TEM Sample Preparation Equipment through GeM BoQ Bidding, Bid No. GEM/2024/B/5603014.

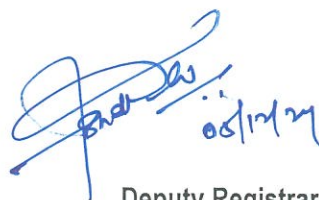
The report of the meeting are as below:

Sl. No	Firm Name	Reference Document	Query raised/suggestions	Response from IITI
a.	M/s. Thermo fisher	As per NIT Section-II Part-1B, Technical Specification Point-3 Operation Modes	c. Selected area electron diffraction, Micro Diffraction, Nano Beam electron diffraction and convergent beam electron diffraction in TEM and STEM mode.	The specifications for "Operation Modes" will remain the same in the present floated tender
b	M/s. Thermo fisher	As per NIT Section-II Part-1B, Technical Specification Point-8 Image/Data recording system	i. Should be flexible to do routine EM, HRTEM, diffraction, In-Situ, and Tomography experiments.  k. The 4D STEM acquisition on the CMOS Camera should be offered along with the latest software package for the 16-megapixel COMS camera to record diffraction patterns in mapping applications. The software should be synchronized for the STEM spot movement with the readout of the camera so that in each point of the map a full diffraction pattern should be recorded. All the necessary STEM engines and software for the 4 D STEM acquisition should be provided by the vendor.	The specifications for "Image/Data recording system" will remain the same in the present floated tender
c		As per NIT	Verbal queries regarding the terms and conditions.	All queries were properly addressed and resolved satisfactorily.

**Note-**

Sl. No	Reference Document	Specifications	Modified Specifications
a	As per NIT Section-II Part-1B, Technical Specifications	SI No. 33 Optional Item-2 Page-17	<b>Cryo Transfer TEM Holder:</b>  a. A Single-Tilt liquid Nitrogen holder designed for frost-free transfer of sample at LN2 temperature into a TEM for imaging radiation-sensitive and frozen--hydrated specimens.  b. It should have a large dewar to hold sufficient liquid nitrogen for >8 hours of stable, high-resolution imaging. Holder drift should be <1.5 nm/min to facilitate high-quality imaging during data collection.  c. Sample loading shall include a clipping mechanism  d. Standard specimen cup/holder tip material should be Beryllium copper  e. Holder operating temperature: Less than -170 OC  f. The Cryo-transfer holder system should include a workstation, turbo pumping station, and temperature controller.

1. The date of submission of online bids is extended up to 13/12/2024 @ 15:00 Hrs
2. The date of Opening of bids is extended up to 13/12/2024 @ 15:30 Hrs
3. All prospective/willing bidders are requested to take note of this report as part of the tender document. All other parts of the tender including the terms and conditions will remain unchanged.



Deputy Registrar  
MM Section  
IIT INDORE

**उप कुलसचिव  
(सामग्री प्रबंधन विभाग)  
Deputy Registrar  
(Materials Management Section)**