

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
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Date: 20-11-2023

Global Tender Ref. No. TIFR/PD/GT/CA23-05/23-24/M/05 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/CA23-05/23-24/M/05)

Dear Bidders/Vendors,

With reference to above Global tender, the following bidders are participated in the pre bid meeting on 16-11-2023 at 11.00Hrs

1. M/s. Thermofisher scientific Pvt. Ltd, Bangalore
2. M/s. Carl Zeiss, Hyderabad

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

Technical and Commercial clarification are as follows:

Refer Page 3 of tender document of Annexure -A	
1.6 Detectors	
<u>Clarification Sought:</u> The Bidder requested to include Resolution of 0.7/0.8nm in the specification.	<u>TIFRH Response:</u> TIFR Hyderabad stated that it will be consulted with technical members and update the same in TIFRH website if any changes required.
Refer Page 4 of tender document of Annexure -A	
2.3 Ion Beam current:	
<ul style="list-style-type: none">• Minimum current ≤ 1.5 pA and maximum current ≥ 65 nA with motorized aperture.• Provide method to optimize FIB conditions in order to get the best spot with a given preset by varying several parameters at once for best lithography results.	

<u>Clarification Sought:</u> The Bidder has requested to change maximum current from >65nA to 100nA	<u>TIFRH Response:</u> TIFR Hyderabad stated that it will be consulted with technical members and update the same in TIFRH website if any changes required.
2.4 Magnification: From $\leq 150 X$ to $\geq 500,000X$ (continuously variable)	
<u>Clarification Sought:</u> The Bidder has requested to change minimum magnification from $\leq 150 X$ to $\leq 300 X$	<u>TIFRH Response:</u> TIFR Hyderabad stated that it will be consulted with technical members and update the same in TIFRH website if any changes required.

**ADMINISTRATIVE OFFICER
(PURCHASE SECTION)
TIFR, HYDERABAD**