Chemical Sciences Division
Indian Institute of Science
Bengaluru – 560 012

Corrigendum - Dated: 04-12-2025

Global Tender: IISc/CSB(IPC)/2025-26/002; Dated 18 November 2025 **Global Tender Notification for the Procurement of an Electron Microscope.**

This is to inform all bidders that the following points have been amended in accordance with the recommendations of the purchase committee.

Sl.No	Section	As existing in the tender	Amendment
1		Global Tender Notification for the Procurement of an Electron Microscope. (Last Date for Submission: 09 December 2025)	Global Tender Notification for the Procurement of an Electron Microscope. (Last Date for Submission: **15 December 2025**)
2		Indian Institute of Science Bengaluru (IISc) invites the best quotations from the bona fide, resourceful, and eligible manufacturers/exclusive distributors/ vendors for the procurement of an Electron Microscope (transmission mode) and relevant accessories with the technical specifications mentioned in section 3, on **C.I.P. Bengaluru basis (by Air Freight only).** The procurement is on a buy-back basis for the existing TEM (JEOL make, Model: JEOL2100F; Installed on: 14/12/2011; Field emission gun (Schotky) replaced on: 29/03/2021) of the Chemical Sciences Division. The quotation should clearly specify the validity of the quote (minimum 90 days), terms of delivery, delivery schedule, estimated delivery date, buy-back price for the existing TEM, and payment terms. The bidder must submit their tender in two separate sealed and distinctly marked envelopes: one containing the technical bid without mentioning any costs, and the other containing the commercial bid. Both envelopes should reach us duly signed on or before 17:00 hours on 09 December 2025.	Indian Institute of Science Bengaluru (IISc) invites the best quotations from the bona fide, resourceful, and eligible manufacturers/exclusive distributors/ vendors for the procurement of an Electron Microscope (transmission mode) and relevant accessories with the technical specifications mentioned in section 4, on **CIP/CIF, Bengaluru basis (by Sea/Air Freight)**. The procurement is on a buy-back basis for the existing TEM (JEOL make, Model: JEOL2100F; Installed on: 14/12/2011; Field emission gun (Schotky) replaced on: 29/03/2021) of the Chemical Sciences Division. The quotation should clearly specify the validity of the quote (minimum 90 days), terms of delivery, delivery schedule, estimated delivery date, buy-back price for the existing TEM, and payment terms. The bidder must submit their tender in two separate sealed and distinctly marked envelopes: one containing the technical bid without mentioning any costs, and the other containing the commercial bid. Both envelopes should reach us duly signed on or before **15:00 hours on 15 December 2025.**
3	1.8	Last date and time for tender submission: 17:00 hours, 09 December 2025	Last date and time for tender submission: **15:00 hours, 15 December 2025**
4	3H.1	The bidder shall provide the lead time for delivery, installation, and commissioning at IISc Bengaluru from the date of receipt of the purchase order. The system should be delivered,	The bidder shall provide the lead time for delivery, installation, and commissioning at IISc Bengaluru from the date of receipt of the purchase order. The system should be delivered,

		installed, and commissioned within 90 days from the date of receipt of the purchase order.	installed, and commissioned within 150 days from the date of receipt of the purchase order.
5	3H. 2	The supply of the items will be considered as effective only on satisfactory installation and inspection of the system, inspection of all the items and features/capabilities, and testing by IISc, Bengaluru. After successful commissioning and inspection, the date of taking over of entire system by the IISc, Bengaluru, shall be taken as the start of the warranty period. No partial shipment is allowed.	The supply of the items will be considered as effective only on satisfactory installation and inspection of the system, inspection of all the items and features/capabilities, and testing by IISc, Bengaluru. After successful commissioning and inspection, the date of taking over of the entire system by the IISc, Bengaluru, shall be taken as the start of the warranty period.
6	3J. 3	The price basis must be **CIP Bangalore (by Air Freight only) basis.**	The price basis must be **CIP/CIF Bengaluru** (by Air/Sea Freight) basis.
7	4.1	The microscope should be able to operate remotely, including apertures, and feature a projection camera for performing remote imaging, thereby minimizing interference from the operator and maximizing operator efficiency. The same user interface for TEM, STEM, EDX, and camera control is preferred. The instrument configuration as given *must be* retrofittable to a probe corrector on-site.	The microscope should be able to operate remotely, including apertures, and feature a projection camera for performing remote imaging, thereby minimizing interference from the operator and maximizing operator efficiency. The same user interface for TEM, STEM, EDX, and camera control is preferred.
8	4.4c	Scanning transmission electron microscopy (STEM) mode with annular bright field (ABF), annular dark field (ADF), and high-angle annular dark field imaging (HAADF) with simultaneous imaging in all modes.	Scanning transmission electron microscopy (STEM) mode with bright field (BF), annular dark field (ADF), and high-angle annular dark field imaging (HAADF). Simultaneous imaging in all modes is preferred.
9	4.11	**Image recording mechanism**	**Image recording mechanism**
		a. A bottom-mounted, retractable, high-resolution camera with 4D-STEM capability is to be included. b. High-resolution CMOS camera with a minimum 16 MP or better with video recording capability. c. The CMOS sensor should be optimized for sensitivity, speed, and resolution. In-line data processing and real-time drift correction should be possible.	a. A bottom-mounted, retractable, high-resolution camera with 4D-STEM capability is to be included. b. High-resolution CMOS camera with a minimum 16 MP or better with video recording capability. c. The CMOS sensor should be optimized for sensitivity, speed, and resolution. In-line data processing and real-time drift correction should be possible.

		d. The camera's CMOS sensor should record 4K*4K images and video data at 50 frames per second or better (pixel size of 14 mm^2 or higher is desired). e. When combining binning with sub-area readout, it should be possible to acquire data up to 1,500 fps at 256 x 256 resolution to record fast in-situ reactions or analyze large areas quickly with 4D STEM. f. The same user interface for both TEM software and camera software must be provided. g. Must be compatible with in situ measurements h. The supplier must provide detailed specifications for the camera/detectors. i. Include the camera technical specification sheet. j. Necessary Software for 4D-STEM imaging and necessary servers for storing data must be included. [Refer to section 32 for server system specifications]	d. The camera's CMOS sensor should record 4K*4K images and video data at 50 frames per second or better (pixel size of 14 mm^2 or higher is desired). e. When combining binning with sub-area readout, it should be possible to acquire data up to 1,500 fps at 256 x 256 resolution to record fast in-situ reactions or analyze large areas quickly with 4D STEM. f. Must be compatible with in situ measurements g. The supplier must provide detailed specifications for the camera/detectors. h. Include the camera technical specification sheet. i. Necessary Software for 4D-STEM imaging and necessary servers for storing data must be included. [Refer to section 32 for external data server system specifications]
10	4.12 b	Resolution 130 eV or better at Mn K-α resolution.	Resolution 140 eV or better at Mn K-α resolution.
11	4.32	Data Server System Specifications	External Data Server System Specifications
12	4.33 b	Heating/cooling sample holder	Heating/cooling sample holder (temperature range: 100K to 400K)
13	4.34	Upgrade option to EELS to be quoted.	a. Upgrade option to EELS to be quoted. **b. Upgrade to a direct electron detector camera with 4D STEM capability, instead of a CMOS camera, as mentioned in 11 to be quoted.**

Note: The relevant clauses in the tender document referring to the above stands modified accordingly.

Purchase committee.