



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491002

Indian Institute of Technology, Bhilai

Dist.- Durg, Chhattisgarh - 491002

Website: www.iitbhilai.ac.in

दिनांक/Date: 29-01-2025

संशोधन - 1 / Corrigendum - 1

तकनीकी शुद्धिपत्र / Technical Corrigendum

संदर्भ/Reference: IITBh/Goods/CIF/2024-25/082/R Dated: 09/01/2025

विवरण/Description: **Supply and Installation of Scanning Electron Microscope (SEM-LaB6) IIT Bhilai.**

"सक्षम प्राधिकारी से अनुमोदन के बाद उपरोक्त निविदा में निम्नलिखित तकनीकी संशोधन जारी किए जाते हैं"

"Following Amendment are issued after approval from the competent authority."

S.No.	Page No./Section Features/(Clause)	Existing specification of the Item	Recommended modification
1.	Page No - 14, Section-V, S.No -9 Vacuum System	The low vacuum pressure range should be up to 650 Pa or higher	The low vacuum pressure range should be up to 400 Pa or higher
2	Page No.- 15, Section-V, S.No -11 Specimen Chamber Specification	Sample size: 120 mm in diameter or better.	Sample size: 200 mm in diameter or better.



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3	Page No - 15, Section-V, S.No -13 EDS System	The detector window should be made of Si ₃ N ₄	The detector window should be made of Si ₃ N ₄ , and should have a area at least 30 mm ² or better
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4.	Page No. 15, Section-V, S. No - 13 EDS system	<ul style="list-style-type: none">• EDS phase analysis should be provided as a standard• Separate software should be provided to perform point, line, and area mapping• The EDS detector should be capable of analyzing from Boron or less to Uranium or more• Compatibility with live acquisition elemental analysis (both point and line) and elemental mapping with image capturing• Software should have an option to post-process the analysis/result• Advanced Peltier cooled Liquid Nitrogen (LN2)-free SDD type X-ray detector with protective window for low energy X-ray transmissivity• Typical energy resolution of 129 eV or better, measured at Mn Kα• Carbon resolution 50 eV or less• The detector window should be made of Si₃N₄• Separate work station/pc for EDS analysis should be provided	Add: Detector area of 30 mm ² or more for EDS detector
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		<ul style="list-style-type: none">• Separate PC should have the following configurations i7 with 512 GB SSD with 16 GB RAM or better	
5.	Page 1 Important Dates	Bid Submission End Date : 30-Jan-2025 03:00 PM Bid Opening Date : 31-Jan-2025 03:30 PM	Bid Submission End Date : 05-Feb-2025 03:00 PM Bid Opening Date : 06-Feb-2025 03:30 PM

इसे सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।

This is issued with the approval from the competent authority.



कुलसचिव | Registrar

भा. प्रौ. सं. भिलाई, छत्तीसगढ़

IIT Bhilai, Chhattisgarh

विंग कमाण्डर डॉ. जयेश चन्द्र एस.पैरैयकनि गड

Wing Cdr. Dr. Jayesh Chandra S. Paraiyankani

कुलसचिव | Registrar

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