



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491002

Indian Institute of Technology, Bhilai

Dist.- Durg, Chhattisgarh - 491002

Website: www.iitbhillai.ac.in

GSTN: 22AABAI0415K1Z7

दिनांक / Date: 05-04-2024

शुद्धिपत्र -1 / CORRIGENDUM-1

This is in reference to the tender no. IITBh/Goods/CIF/2023-24/297 Dated: 28/02/2024 for “Supply and Installation of TEM sample preparation system (Precision ion polishing system) at IIT Bhilai”, The following changes are made in technical specifications in the tender document:

S.No.	Existing clause	Corrected clause
1. A. 4.	Narrow ion beam at the sample for milling and cleaning target area of the sample (FWHM beam diameter of less than 750 micrometers over the entire energy range. The claim must be supported through literature or actual measurement).	Narrow ion beam at the sample for milling and cleaning target area of the sample.
1. A.6	The current should be measured and displayed for each gun separately during milling.	The current should be measured at the gun and displayed for each gun separately during milling.
1. A.10	Ion-beam incidence angle range: - 10 deg to +10 deg to specimen plane for both guns and should be adjustable during operation for both surface milling	Ion-beam incidence angle range: 20 deg. or higher. It should be adjustable during operation for both surface milling
1. D.1	Specimen stage should be capable of in-plane specimen rotation.	Specimen stage should be capable of in-plane specimen rotation. The speed should be variable during milling
1. D.2	The rotation of specimen inside the chamber during milling should be at speeds from 0 to 6 rpm.	[Removed]
1. D.3	The rotation speed should be controllable by both manually and GUI.	[Removed]



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1. E.1	The gas flow for each gun should have the control using mass flow control technology.	The gas flow for each gun should have the control using mass flow control or other equivalent technologies.
1. F.2	Vacuum Gauge should be present in the chamber area to continuously read and display the vacuum in the specimen preparation area. Fast cooling and warm up times, typically ≤ 15 minutes.	Vacuum Gauge should be present in the chamber area to continuously read and display the vacuum in the specimen preparation area.
1. G	<p>Pumping System</p> <ol style="list-style-type: none">1. Pumping should be based on appropriate turbo pump to give a vacuum of $\leq 10^{-6}$ Torr as base pressure and $\leq 1 \times 10^{-4}$ Torr as operating pressure.2. Vacuum Gauge should be present in the chamber area to continuously read and display the vacuum in the specimen preparation area. Fast cooling and warm up times, typically ≤ 15 minutes.3. GUI to monitor pressure constantly.	[Removed, as it is a duplicate of section: F]

All other terms and conditions of the tender document will remain the same.

Jayant

कुलसचिव | Registrar

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