

Tender No. IITT/CI/2023-24/23/Corr-II

Date: 27.03.2024.

CORRIGENDUM – II

Sub: Corrigendum for the Supply, Installation, Testing and Commissioning of Atomic Force Microscope.

Ref: 1) Tender No. IITT/CI/2023-24/23 dated 16.02.2024

2) Tender No. IITT/CI/2023-24/23/Corr-I dated. 13.03.2024

With reference to the Tender No. IITT/CI/2023-24/23 dated 16.02.2024 for Supply, Installation, Testing and Commissioning of Atomic Force Microscope, the competent authority is pleased to issue the following further addendum / corrigendum. This should be read along with the other terms & conditions as already published in the CPP & website.

1. Critical Dates of Tender:

S. No.	Details	In the place of		To be read as	
1	Bid submission close date & time	27-03-2024	15.00 hrs	12-04-2024	15.00 hrs
2	Opening of Technical bids	28-03-2024	15.30 hrs	13-04-2024	15.30 hrs

2. Technical Specifications: Schedule of requirement

S. No.	Tender Specifications	In the place of	To be read as
1.	Page No. 4 of 47: Sl. No: 4 "Stages (XYZ are completely automatic and synchronized) sample movement"	<ul style="list-style-type: none">System must include a sample chuck at least 210 mm in diameter, with mechanical access for working with samples up to > 150 x 180 mm. The chuck must include wafer locating pins and vacuum rings for a variety of wafer sizes. The chuck must also include magnetic mounting points for conveniently mounting samples prepared on standard	<ul style="list-style-type: none">System must include a sample chuck at least 200 mm in diameter, with mechanical access for working with samples up to \geq 200 x 200 mm. The chuck must include wafer-locating pins and vacuum rings for a variety of wafer sizes. The chuck must also include magnetic mounting points for

		<p>10-15 mm diameter AFM discs.</p> <ul style="list-style-type: none"> The system must include a motorized sample stage, with stage travel of at least > 150 x 180 mm, with a minimum step size of <500 nm. The maximum stage velocity must be at least 40 mm/sec. 	<p>conveniently mounting samples prepared on standard 10-15 mm diameter AFM discs.</p> <ul style="list-style-type: none"> The system must include a motorized sample stage, with stage travel of at least $\geq 200 \times 200$ mm, with a minimum step size of <500 nm. The maximum stage velocity must be at least 40 mm/sec.
2.	<p>Page No. 4 of 47: Sl. No.5 "Sample Size"</p>	<p>Opaque, transparent, insulating, conducting, and biological samples will be able to image. The stage must accommodate a sample size of up to 210 mm dia and 35 mm thickness.</p>	<p>Opaque, transparent, insulating, conducting, and biological samples will be able to image. The stage must accommodate a sample size of up to 200 mm or above in diameter and 35 mm thickness.</p>
3.	<p>Page No. 4 of 47: Sl. No. 7 "Description"</p>	<p>Scanners: The instrument design should allow the use of two or more scanner to cover a large area and high-resolution imaging.</p>	<p>Scanners: The instrument design should allow the use single scanner to cover a large area and high-resolution imaging.</p>
4.	<p>Page No. 9 of 47: "Optional Item No.1"</p>	<ul style="list-style-type: none"> Heating Stage: Variable temperature stage covering a range from Ambient to 300 deg C should also be offered Optionally. There should be an option to purge gas to the heating stage to minimize oxidation while heating. 	<p>Heating Stage: Variable temperature stage covering a range from Ambient to 250 deg C or more should also be offered Optionally. There should be an option to purge gas to the heating stage to minimize oxidation while heating</p> <ol style="list-style-type: none"> Scanning Tunnelling Microscope (STM) Scanning Capacitance Microscopy. (SCM) In-Liquid Sample imaging with optional Scanning Ion Conductance Microscopy Scanning Spread Resistance Microscopy for Resistance microscopy. (SSRM) with all possible applications. Photo current mapping (PCM) with all possible applications.

			Kindly specify what all optional can be included in essentials.
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Additional Information:

S. No.	Tender Specifications	Additional information	Essential Or Specify
1.	Provide additional details in the technical specification	1.Vertical noise: 2.Lens: 3.Resolution:	Specify complete details.

The last date for submission of quotations (two bids) against our tender is extended to **12.04.2024 up to 15.00 hrs.**

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

Sd/-

Assistant Registrar (P&S)