



NIT No.: IITI(MM)/SIC/1/1A/667/PB/2024-2025

January 16, 2025

PREBID REPORT

The online meeting for Pre-bid discussion held at IIT-Indore on 14/01/2025 at 03.00 PM onwards for **Supply, Installation and Commissioning of High-field and Ultra Low-temperature Cryostat based Physical Properties Measurement System.**

The report of the meeting is as mentioned below.

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised	Query Raised by	Response from IITI
1.	Point No. (C), (E) and (G) of System Basic requirements at Page No. 07	We would like to get clarification/ explanation for the following points: System Basic requirements c) An integrated cryopump and vacuum gauge for controlling the sample environment is desired. High vacuum in Sample chamber should be achievable within 10 minutes.	Query received on GeM Portal	(c) No change
2.		e) Low temperature operations must be completely automated and user friendly. Vendor should specify their temperature control mechanism for achieving low temperature. Inefficient mechanism of temperature control through mechanical means like needle valve is not preferred. Demonstration will be asked during technical evaluation.		(e) Low temperature operations must be completely / fully automated and user friendly. Vendors should specify their temperature control mechanism for achieving low temperature. Mechanism of temperature control through mechanical means like needle valve is not preferred. Demonstration will be asked during technical evaluation.


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(Materials Management Section)

3.		g) All communications on the system must either use a Universal Serial Bus (USB), Controller Area Network (CAN)	Query received on GeM Portal	(g) All communications on the system must either use a Universal Serial Bus (USB), Controller Area Network (CAN) or any such system with increased data bandwidth, node efficiency, and security.
4.	i) DC Magnetization (VSM): at Page No. 07	Measurement Options DC Magnetization (VSM): b) Magnetic moment noise levels must be less than 6×10^{-7} emu at 300 K for 1 second integration time and 40 Hz frequency.		(b) Magnetic moment noise levels must be less than 6×10^{-7} emu at 300 K for 1 second integration time. Vendors should specify their mechanism and frequency of vibration at this measurement value.
	Future Upgrades	vi. Future Upgrades: Torque Magnetometry		vi. No change
	Thermal Transport:	Thermal Transport: (a) Temperature range ≤ 1.9 K to 400K/ 873K		(a) Temperature range ≤ 1.9 K to 400K or higher, preferably up to 873K.

All prospective/willing bidders are requested to take note of this report as part of the Tender document. All other terms and conditions of the tender remain unchanged.


15/01/2025
Deputy Registrar
MM Section

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