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Ref. No.: IITI(MM)/PH(PRJ)/1/1A/119/OG/2025-2026 **January 05, 2026**

PREBID REPORT

The online meeting for Pre-bid discussion was successfully held at **IIT-Indore through online channel on 22/12/2025 at 03:00 PM onwards** for **Supply & Installation of Multi-source RF and DC Sputtering and Standalone Thermal Evaporator with Thickness Controller.**

Please find below the queries received and their responses.

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised	Query Raised by	Response from IITI
1.	**Technical Specification, Page No. 13, Point No. 2.1 c)** Source to substrate distance adjustable from 30 cm to 40 cm with increment of 1 cm. 5 cm in-situ and 5 cm after opening chamber.	As per the specification for the thermal evaporation system, the ultimate vacuum requirement is 1 × 10^{-7} mbar. Please note that the chamber is required to accommodate three sources and two sensor heads with shutters, along with a source-to-substrate distance (SSD) of 400 mm. Considering these requirements, the minimum chamber dimensions would be approximately 400–500 mm in diameter with a height of around 600 mm. For a chamber of this volume, the specified pumping speed of 250 L/s or slightly higher appears to be relatively low to reliably achieve and maintain the required vacuum level within a reasonable pump-down time. In this context, our standard Auto 500 system can be offered with a 400 L/s turbomolecular pump along with a liquid nitrogen trap, which provides a cost- effective solution to achieve an ultimate vacuum of 5 ×	M/s. HHV Advanced Technologies Private Limited	The ultimate vacuum requirement is based on the technical needs of the project and therefore, the vacuum requirement of 1 × 10^{-7} mbar will be retained. However, following changes will be made to **Point 2.1 (c) "Source to substrate distance adjustable from 20 – 25 cm with increment of 1 cm. The chamber size and shape can be decided by the vendor to accommodate this requirement."** **Point 2.8 (b) TURBO MOLECULAR PUMP:**
2.	**Technical Specification, Page No. 14, Point No. 2.8 b)** TURBO MOLECULAR PUMP: Suitable air cooled TMP (minimum 250 Liter/sec or more) in which			

	vacuum of 5 × 10 $^{-7}$ Torr or lesser should reach in 60 mins or in less time. Turbo controller, connecting cables, etc. are required. TMP should be of Pfeiffer or equivalent make.	10^{-7} mbar. This configuration is based on a source-to- substrate distance of 25 cm, which is adequate for processing 4-inch substrates. We therefore request you review the specifications and clarify your requirements, particularly with respect to chamber dimensions, SSD, and the target ultimate vacuum, so that an appropriate and optimized pumping configuration can be proposed. We look forward to your technical inputs and clarification.		**Suitable air cooled TMP (minimum 400 Liter/sec or more) in which vacuum of 5 × 10 $^{-7}$ Torr or lesser should reach in 60 mins or in less time. While 1 × 10^{-7} mbar should be reached in 4 hours or less time. Turbo controllers, connecting cables, etc. are required. TMP should be of Pfeiffer or equivalent make.**

The Revised Schedule of bid submission is as mentioned below: -

Sr. No.	For As:	Read As:
1.	**Last date & Time of submission of bids Online: January 05, 2026, at 3:00 PM**	**Last date & Time of submission of bids Online: January 12, 2026, at 3:00 PM**
2.	**Opening of Technical Bid Online: January 05, 2026, at 3:30 PM**	**Opening of Technical Bid Online: January 12, 2026, at 3:30 PM**

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.

05/01/26

Assistant Registrar (MMS)

सहायक कुलसचिव
(सामग्री प्रबंधन विभाग)
Assistant Registrar
(Materials Management Section)