NIT No.: IITI(MM)/CH/117/PRJ/DDS/2025-2026 **December 24, 2025**

PREBID REPORT

The meeting for Pre-bid discussion was held at **IIT-Indore through online via google meet on 17/12/2025 at 03.00 PM onwards** for Custom bid on GeM Portal for **the procurement of Atomic Absorption Spectroscopy**.

The report of the meeting is as mentioned below.

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised	Response from IITI
	M/s. Toshvin Analytical Pvt. Ltd.		
1.	Sr.17- FurnaceTemperature- Programmable up to 2600 Degree C or higher , transversely heated	Request you to amend as:- Furnace temperature - Programmable up to 3000 Deg C or higher, longitudinal / transversely heated Every one will quote their high end model considering your application.	**Amended to the temperature range up to 3000 degrees or higher.**
2.	Sr. 18- Water Circulator/ Chiller- Software controlled Thermo Stated chiller with adjustable temperature facility to be offered from OEM directly.	Request you to kindly amend as:- From OEM or reputed local supplier for better after sales service To Provide better after sales services.	**Amended to from OEM or reputed supplier from India.**
3.	Sr. 28- Graphite Furnace Attachment	Request you to kindly amend as below:- The Graphite furnace with auto sampler attachment should be fully integrated to flame in single unit without changing any parts manually including spray chamber and	**Amended as The Graphite furnace with auto sampler attachment should be fully integrated to flame in single unit without changing any parts**

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		nebulizer. The operation from flame to furnace and Vice Versa should be software control. To make it fully automated system so that every one will quote their high end model.	**manually including spray chamber and nebulizer. The operation from flame to furnace and Vice Versa should be software-controlled.**
4.	Delivery Period Mentioned is 56 Days	Request you to kindly amend as minimum 10 weeks from date of PO. However, we will try our best to make fast delivery.	**Amended delivery period as 10 weeks from date of PO**
5.	UPS is not mentioned in tender specs	Please clarify whether IIT will provide UPS or add 10 KVA UPS with 30 min Backup.	**UPS is to be provided for 10 KVA with 30 min backup.**
	M/s. Madox Technologies Pvt. Ltd.		
6.	Si.No. 05 Spectral band width Variable from 0.1 to 2nm in 6 steps	Variable from 0.1 to 1nm in suitable steps A narrower slit width reduces stray light, thereby lowering noise and improving signal- to-noise ratio. All elements typically analysed via AAS can be measured within this slit width range. This ensures fair participation and consistent analytical performance across vendors.	**No Change**
7.	Si.No. 11 Burner Unit Titanium 10cm slot & 5cm slot for C2H2-N20	10cm & 5cm slot for C2H2-N20 made up of Titanium or suitable corrosion resistance alloy We kindly request a minor amendment to the current specification to ensure fair participation of all vendors. The existing requirement appears to be tailored to a specific vendor, which may limit competitive bidding.	**No Change**
8.	Si.No. 31 Autosampler Autosampler for 60 or	Autosampler for 50 or more vials to be Included	**No Change**

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	more vials to be included	We kindly request a minor amendment to the current specification to ensure fair participation.	
M/s. Labindia Equipment Pvt. Ltd.			
9.	Si.No. 17 Furnace temperature – Programmable up to 2600°C or higher, transversely heated	Furnace temperature – Programmable up to 3000°C or higher, transversely heated (As also stated in Point No. 29)	**Amended as 3000 degree or more.**
10.	Si.No. 23 HVG (Hydried Vapor Generator for As, Se, Sb, Te, Bi)	Single Automated Continuous Flow Hydride Generator system for Hg, As, Se, Sb, Te, Bi	**Accepted**
11.	Si.No. 22 Analysis System – Continuous Flow System	In Hydride analysis system, kindly mention automated continuous flow system.	**Accepted**
12.	Si.No. 28 Graphite Furnace Attachment	Integrated Graphite Furnace and Flame Atomizer, switch over from Flame to Furnace should be through Software. (Flame to Furnace and Furnace to Flame)	**Accepted**
13.	Si.No. 33 Accessories: Air-C2H2 Cylinder and Nitrous Oxide Cylinder with Regulator, Argon Gas Cylinder with Regulator, Air Compressor, Gas Panel with accessories, Fume	Heated Nitrous Oxide Regulator required. Kindly mention whether you want to go for Individual hollow cathode lamps or multi-element hollow cathode lamps	**Amended as Heated Regulator for Nitrous oxide cylinder. Individual lamps should be provided for Zn, Fe, Al, Cu, Cd, As, Se, Hg, Mg, Ca, Pb etc.**

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	Hood, Lamps for Zn, Fe, Al, Cu, Cd, As, Se, Hg, Mg, Ca, Pb, etc. (multi-element lamps) with standard		
M/s. Analytik Jena India Pvt. Ltd.			
14.	General Terms: Pre-Dispatch Inspection (Sr. No. 7)- (page 5)	Please clarify, it is material/ quantity inspection and not the functional tests demonstration	**Inspection will be done based on the demonstration of specifications on-site.**
15.	Technical: 1. Sr. No. 4 – Dual Background Correction Specified: Dual background correction – D2 with SR or Zeeman	The background correction techniques mentioned, namely D2 with SR and Zeeman, are based on fundamentally different optical and physical principles and do not operate on the same technological platform. As such, direct comparison between these two methods is technically inappropriate. Hence, we request clarification on whether D2 background or Zeeman background correction methods are acceptable?	**D2 background correction is mandatory. There should be provision for 2nd background correction; it should be with Zeeman or SR (Self-Reversal) background correction.**
16.	Sr. No. 5 – Spectral Bandwidth Specified: 0.1 to 2.0 nm	We request to change it to 0.2 to 1.2 nm The range offered fully covers the bandwidth requirements for routine and trace elemental analysis and is optimized for improved signal-to-noise ratio and analytical sensitivity. Bandwidths below 0.2 nm are rarely required for standard AAS applications, while the upper limit of 1.2 nm adequately supports flame and furnace analyses. We therefore request acceptance of this range, as it does not compromise analytical performance and is technically sufficient for the intended applications.	**No Change.**
17.	Sr. No. 8 – Focal Length Specified: 300 mm or better	We offer 279 mm / 252 mm This is design dependent requirement. Focal length alone does not determine optical performance. The offered focal	**No Change.**

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		lengths of 279 mm / 252 mm, when combined with optimized optical design and highquality monochromator components, deliver comparable or superior resolution, light throughput, and analytical sensitivity. Modern compact optical systems are designed to achieve excellent performance with shorter focal lengths. Hence, we request consideration of the offered specification based on overall optical efficiency rather than focal length alone.	
18.	Sr. No. 17 vs Sr. No. 29 – Furnace Temperature Specified (Sr. No.17): 2600 °C or more Specified (Sr. No.29): 3000 °C or more	There appears to be an inconsistency between the two specifications regarding maximum furnace temperature. We request clarification on the exact temperature requirement to be considered for compliance.	**Graphite Furnace Temp should be considered as 3000 °C.**
19.	Sr. No. 22 / 23 – HVG (Hydride Vapor Generator)	For optimal performance and operational convenience, the HVG should be fully integrated and operate continuously with the ETC (Electrothermal Controller) rather than as a standalone or intermittent accessory. An integrated and continuous HVG-ETC configuration ensures improved reproducibility, reduced manual intervention, and better workflow efficiency. We request you to kindly consider ETC.	**No Change.**

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.

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