



Ref. No.: IIT(MM)/SIC/1/1A/76/KYP/2023-24

Date: 11/08/2023

PREBID REPORT

The Online Pre-bid meeting discussion was held at IIT on **July 12, 2023, at 11: 00 AM** for procurement of Inductively Coupled Plasma Optical Emission Spectrometer and Optional Accessories, GeM Bid No. **GEM/2023/B/3848289** date. **04/07/2023**.

Online Pre bid meeting attend firms as:

M/s Spectralytic Scientific India PVT. LTD. (PerkinElmer)
M/s. Thermo Fisher Scientific (India) Pvt. Ltd.
M/s. Agilent Technologies
M/s. Shimadzu Corporation
M/s. Nutechanalytical Technologies Pvt. Ltd.

The report of the meeting is as below:

Sl. No.	Reference of the Clause No. of the Tender Document	Query/Clarification/Deviation sought	Response from IIT
M/s Spectralytic Scientific India PVT. LTD. (PerkinElmer)			
01.	Chapter-5 technical specifications bid Sl. no. 3 Point a. Polychromator / Dual Monochromator. Page no. 13	Suggested to keep same so that we can also participate in the tender. Dual monochromator system is cold start (<10mins) technology with dynamic wavelength stabilization and no optical warm up and no stabilization is required. Polychromator system needs minimum 1 hr optical warm up and stabilization	No Change
02.	Chapter-5 technical specifications bid Sl. no. 3 Point d. Optical system- Optical purge is required in all vendors- we request you to keep <1.5L/min page no. 13	Most of the vendor's ICP needs Argon/N2 purging and common to all.	accepted
03.	Chapter-5 technical specifications bid Sl. no. 4 Point c. page no. 13-14	Cold plasma tail management should be provided with the use of air which are measured below 200nm or those system which uses cones, should offer with at least 6 pieces.	accepted
04.	Chapter-5 technical specifications bid Sl. no. 14	Spectral resolution - Resolution requested to keep 10pm as it is. practically we achieve 0.007nm (7pm) at 200nm but in our specification sheet mentioned <0.009nm. If you keep <0.009nm then should not be an issue because all vendors are qualifying it.	No change
05.	Page no. 19 Optional accessories a).	Microwave digester: High performance Multimode Rotor system (01 no) <ul style="list-style-type: none"> Vessel Specifications (Qty. 12 or more): Suggested to keep 8 vessels only, because all vendors have high pressure system available with 8 vessels only. Also suggested to keep contactless IR temperature sensor to all 8 vessel which is important feature of MDS. System controls and measures the temperature of all vessels with this feature. Also the digestion system should have IR pressure control. It is important feature from safety point of view and also controls the pressure of system to digest sample properly. 	Accepted
M/s. Thermo Fisher Scientific (India) Pvt. Ltd.			
06.	3. Optical system: a. The optical bench provided in the system should be an Echelle	The optical bench provided in the system should be an Echelle or Paschen Runge polychromator based	Refer Sr.No.1

	or Paschen Runge polychromator / Dual Monochromator based for simultaneous determination of multiple elements in a sample in a single run.	for true simultaneous determination of multiple elements in a sample in a single run.	
07.	4. Plasma geometry: c. Cold plasma tail management should be provided without the use of air at it mitigates the sensitivity of element which are measured below 200nm. Those system which uses cones, should offer with at least 6 pieces	c. Cold plasma tail management should be provided without the use of air at it mitigates the sensitivity of element which are measured below 200nm. Those system which uses metallic cones, should offer with at least 6 pieces	Refer Sr.No.2
08.	9. Focal length of optics: The focal length of the optics should be minimum 300 mm or higher as per instrument design.	Thermo Fisher ICP-OES offers focal length of 250 nm. Please amend it to allow broader participation.	Accepted
09.	11. Variable RF power output: Provision to vary the power output of the RF generator in the range of at least 1500 W OR higher should be provided and the same should be controlled through software.	Provision to vary the power output of the RF generator in the range of at least 1350 W OR higher should be provided and the same should be controlled through software	Accepted
10.	13. Spectral resolution: The spectral resolution @ 200 nm should be less than 10 pm.	The spectral resolution @ 200 nm should be less than 7pm	Accepted
11.	14. Detector system: Detectors free from gas as well as water cooling to be provided- document to be provided	Please remove this point	No Change
12.	Make in India (MII) Clause	Please remove MII clause	Discussed

M/s. NB Instrument Pvt. Ltd.

13.		<p>We have received a tender for the items of ICP-OES from IIT Indore, whose last date for submission of the offer is 25.07.2023. We have gone through the technical specification of the ICP-OES and found that the</p> <p>The technical specification is Fully matching our Model that is Model: ICP-OES 5000DV Fully Automatic Systems.</p> <p>But Sorry to inform you that, there is no option to quote in the tender in Foreign currency and only due to this our principal company is unable to submit the offer against this tender.</p> <p>Therefore, we kindly request you to kindly modify the bid currency so that our principal can able to submit our offer against this tender as per the schedule.</p> <p>Attached is the request letter for your kind reference.</p>	Discussed
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M/s. Agilent Technologies India Pvt. Ltd.

14.	Optical system: a. The optical bench provided in the system should be an Echelle or Paschen Runge polychromator / Dual Monochromator based for simultaneous determination of multiple elements in a sample in a single run.	a. The optical bench provided in the system should be an Echelle or Paschen Runge polychromator based for simultaneous determination of multiple elements in a sample in a single run.	Refer Sr.No.1
15.	Focal length of optics: The focal length of the optics should be minimum 300 mm or higher as per instrument design.	The focal length of the optics should be minimum 250 mm or suitable as per instrument design.	Refer Sr.No.8
16.	RF Generator: The RF generator supplied with the unit should be of free running design and capable of producing high frequency radio wave of either 27.12 MHz or 40.68 MHz with a power efficiency > 80%.	The RF generator supplied with the unit should be of free running design and capable of producing high frequency radio wave of either 27.12 MHz or 40.68 MHz with a power efficiency > 75%.	Accepted:
17.	Plasma Geometry: Those system which uses cones, should offer with at least 6 pieces.	Those system which uses cones, should offer with at least 6 or suitable pieces to cover in warranty period (If recurring consumables)	Accepted:
18.	Spectral resolution: Spectral resolution @ 200 nm should be 10pm	Spectral resolution @ 200/202 nm should be 7pm	Refer Sr.No.10

19.	MFC/VFC: All the plasma-related gas flows should be variable and computer-controlled, using high precision mass/volume flow controllers	All four the plasma-related gas flows should be variable (with 1ml/min or lower step) and computer-controlled, using high precision mass/volume flow controllers	Accepted
20.	Control and evaluation software: Software must be compliant to 21CFR Para II for data integrity, data security, electronic signature, and multiple user trail	Software must be compliant to 21CFR Para II or GLP compliance features which ever are applicable or academic research i.e data integrity/ data security/ electronic signature/ multiple user trail (if required)	Not accepted
21.	Microwave digester. Microwave Oven: System must have built-in LCD touch screen display of size 10.1" or suitable for all routine operations and system should have built in manuals and videos on board. External displays are not acceptable	System must have built-in LCD touch screen display of size 10.1" or suitable size as per system requirement for all routine operations and system should have built in manuals and videos on board. External displays are not acceptable	Accepted
22.	Operating temperature and Pressure: 260 °C or more at 100 bar pressure withhold times up to 1 hours or more for complete digestion of even the most difficult to digest samples.	Operating temperature and Pressure: 250 deg C or more at 50 bar working pressure withhold times up to 1 hours or suitable time as per system requirement for complete digestion of even the most difficult to digest samples.	Accepted
23.	Max. test Temperature and Pressure: 310 °C or more and 140 bar or more. 4. Max. temperature and pressure specifications must be available at the same time. 5. Must have simple hand tightening closure. Closing with special tools like torque wrench not acceptable. 6. Must have reliable metal safety disks for overpressure protection. To prevent contamination and escape of volatile elements at high temperatures operation via self-venting is not acceptable.	Max. test Temperature and Pressure: 300 °C or more and 100 bar or more. 4. Max. temperature and pressure specifications must be available at the same time. 5. Must have simple hand tightening closure. Closing with special tools like torque wrench not acceptable. 6. Must have reliable metal or polymer or suitable material safety disks for overpressure protection. To prevent contamination and escape of volatile elements at high temperatures operation suitable mechanism should be provided via self-venting is not acceptable.	Accepted

The tender is cancelled towards revision in specification to meet the specific research requirement.

Proposal will be re-tender, please visit IIT website for further details.

Assistant Registrar (MMS)
IIT Indore

11/08/23
सहायक कुलसचिव
(सामग्री प्रबंधन विभाग)
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(Materials Management Section)



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IIT Indore

Date: 11/08/2023

Notification

References: (i) Ref. No.- IITI(MM)/SIC/1/1A/76/KYP/2023-24 dated 04/07/2023.
(ii) Tender ID - GEM/2023/B/3646289 dated 04/07/2023.

Subject : Cancellation of GeM Tender -reg.

This is to notify that the GeM tender reference above for procurement of Inductively Coupled Plasma Optical Emission Spectrometer and Optional Accessories, Quantity-02 stands cancelled, as the specifications are being reviewed to meet the specific requirement of the IIT Indore. For update, please visit www.iiti.ac.in/tender and <https://bidplus.gem.gov.in/list-of-bids?d=1>

Assistant Registrar (MM)

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