

**Amendment No. 01**

**Sub: Amendment to the referred tender enquiry**

**Ref.:** Tender Enquiry Document no. HITES/PCIM&H-01/2022-23 dated: 31-03-2023

Following changes are being incorporated in the tender:

**SECTION I**  
**NOTICE INVITING e-TENDERS (NIeT)**

<b>Sl. No.</b>	<b>Description</b>	<b>Schedule</b>
d	Closing date & time for <b>submission of online bids</b>	<b>16.05.2023</b> at 1300 hrs. (IST)
e	Closing date & time for submission of tender processing fee and <b>EMD in physical form</b>	<b>16.05.2023, 1300 Hrs. (IST)</b> Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
f	Time, date of e-tender <b>opening of online bids</b>	<b>17.05.2023, 1430 Hrs.(IST)</b>

**Section – VII**  
**Technical Specifications**

<b>Item No. 01 - Microwave Digester</b>		
<b>Tender Page &amp; Para</b>	<b>TENDER SPECIFICATION</b>	<b>AMENDED AS</b>
Page 48, Para 6	Minimum filling capacity (Volume) of TFM/PTFE vessel : 06 ml <b>or more</b>	Minimum filling capacity (Volume) of TFM/PTFE vessel : 6 ml <b>or less</b>
Page 48, Para 8	Maximum filling volume (In filling volume range) : 60 ML	Vessel Volume: 60 ml <b>or more</b>
Page 48, Para 9	Pressure Control : All Positions, quote pressure sensor <b>to monitor and display the pressure</b>	Pressure control: All position, quote pressure sensor <b>either should be one reference vessel or each vessel</b>

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Page 48, Para 15	Minimum filling volume (In filling volume range) : 6	Minimum filling volume (In filling volume range) : 6 ml <b>or less</b>
<b>Item No. 02 - GC/MS/MS</b>		
<b>Tender Page &amp; Para</b>	<b>TENDER SPECIFICATION</b>	<b>AMENDED AS</b>
Page 49, Para I. 2	The complete system should come with modular accessories of injectors and detectors, changeable and upgradable by user.	The complete system should come with modular accessories of injectors and detectors, changeable <b>and with possible field upgradability.</b>
Page 49, Para I. 3	In Single injection, Sample should be equally distributed in two parts after column elution. One portion should go to the MS and the other part to any other detector, if required	In a single injection, sample should be equally distributed in two parts after column elution <b>through automated pressure control device.</b> One portion should go to the MS and the other part to any detector, if required
Page 49, Para II. 7	<b>GC Oven:</b> The electronic pneumatic controls must be integral part of injector and detector modules <b>and must not be installed into the oven mainframe</b>	<b>GC Oven:</b> The electronic pneumatic controls must be integral part of injector and detector module
Page 49, Para III. 1	Inlets/injectors: The Split/Splitless injector (Qty 1) must be user- <b>swappable in less than 3 minutes without requiring a field-service engineer or any special tools.</b>	Inlets/injectors: The Split/Splitless injector (Qty 1) must be user-changeable, easy to maintain
Page 49, Para III. 3	Inlets/injectors: It must be possible to set the split ratio of the SSL injector between <b>0 and 12000</b>	Inlets/injectors: It must be possible to set the split ratio of the SSL injector between <b>0 to 9999</b>
Page 49, Para III. 7	Inlets/injectors: Programmable Temperature Vaporizer Injector (Qty 1) must be <b>user-swappable in less than 3 minutes without requiring a field-service engineer or any special tools</b>	Inlets/injectors: The PTV injector (Qty 1) must be user-changeable, easy to maintain
Page 49, Para III. 10	Inlets/injectors: Temperature programming of up to 3 ramps at <b>up to 870 °C/min</b>	Inlets/injectors: Temperature programming of upto 3 ramps at <b>up to 250°C/min or better</b>
Page 50, Para IV.3	Autosampler with Head Space: Auto sampler must have a liquid injection, headspace injection and <b>SPME injection</b>	Autosampler with Head Space: Auto sampler must have a liquid injection, headspace injection and <b>SPME/HS-trap injection</b>
Page 50, Para V.1	The FID detector should be user <b>swappable</b> module with plug and play mechanism	FID detector should be <b>easy to remove and installable at user level.</b>
Page 50, Para VII.1	Ion Source: The mass spectrometer must offer a wireless EI ion source made of solid, non-coated, inert material. The connections should be tool free for user-friendliness.	Ion Source: The mass spectrometer must offer a EI ion source made of solid, non-coated, inert material. The connections should be tool free for user-friendliness.

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Page 50, Para VII.4	Ion Source: GC transfer line must have a settable temperature limit of <b>up to 400 °C</b> , for ideal transfer of components from GC to MS	Ion Source: GC transfer line must have a settable temperature limit of <b>up to 350°C</b> for ideal transfer of components from GC to MS.
Page 50, Para VII.5	Ion Source: An off-axis ion <b>guide</b> must be provided after the ion source and before the analysing quadrupole	Ion Source: An off-axis ion <b>guide/Pre-rod</b> must be provided after the ion source and before the analyzing quadrupole
Page 50, Para VII.5	Ion Source: The curved <b>ion guide</b> must use off-axis optics design to enhance low level detection and quantitation. The curved <b>ion guide</b> must also protect the main quadrupole set from contamination, eliminating the need for periodic replacement of the main quadrupole set.	Ion Source: The curved <b>ion guide/Pre-rod</b> and off-axis optics design to enhance low level detection and quantitation. The curved <b>ion guide/Pre-rod</b> must also protect the main quadrupole set from contamination, eliminating need for periodic replacement of the main quadrupole set
Page 50, Para VII.8	Ion Source: The pre-filter must be removable without venting the MS, or an upgrade must be made available to enable removal without MS venting	<b>Deleted</b>
Page 50, Para VII.9	Ion Source: An RF Lens must be present immediately before the curved <b>ion guide</b> and must be in electrical contact with the quadrupoles of the curved ion guide during operation of the instrument to protect the curved <b>ion guide</b> from contamination.	Ion Source: RF Lens must be present immediately before the curved <b>ion guide/Pre-rod</b> and must be electrical contact with the quadrupoles of the curved ion guide during operation of the instrument to protect the curved <b>ion guide/Pre-rod</b> from contamination
Page 50, Para VII.10	Ion Source: The system should be provided with a vacuum isolation valve for removal of complete ion source. filament and GC capillary column without venting the system.	<b>Ion Source:</b> <b>System should be provided with module for GC capillary column change without venting the vacuum.</b> <b>Optionally, future upgradability to vacuum isolation valve should also be possible</b>
Page 50, Para VIII.1	Quadrupole Mass Analyzer: The mass range must be 1.2 –1100 amu (u).	Quadrupole Mass Analyzer: The mass range must be <b>1.2—1090 amu (u) or better</b>
<b>Item No. 03 - Ultra High Performance Liquid Chromatography (UHPLC)System</b>		
<b>Tender Page &amp; Para</b>	<b>TENDER SPECIFICATION</b>	<b>AMENDED AS</b>
Page 53, Para	UHPLC Pump Module: PH Range <b>1- 12.5</b>	UHPLC Pump Module: PH Range <b>1- 12 or more</b>
Page 53, Para	UHPLC Pump Module: Automated online PH control with ionic strength, and organic modifier blending from pure solvents	UHPLC Pump Module: <b>The system should be able to manage pH change automatically during method development</b>

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Page 53, Para	Autosampler Sample Capacity: 90 vials or more of <b>2 ml</b> capacity	Autosampler: Sample Capacity: 90 vials or more of <b>1.5/2 ml</b> capacity
Page 53, Para	PDA Detector: Optical resolution: <b>1.2 nm or better</b>	Optical resolution: <b>1 nm or better</b>
Page 53, Para	PDA Detector: Base line noise: +5 µAu	PDA Detector: Base line noise: ±5 µAu <b>or better</b>
Page 53, Para	PDA Detector: Drift: ≤1.0x10 <sup>-3</sup> /AU/Hr/°C	PDA Detector: Drift: ≤1.0x10 <sup>-3</sup> /AU/Hr/°C <b>or better</b>
Page 53, Para	Fluorescence Detector: Wavelength Range <b>200 – 900 nm</b>	Wavelength Range <b>200 – 650 nm or more</b>
Page 53, Para	Fluorescence Detector: Sensitivity S/N> 1000 (Raman spectrum of water) or better	Fluorescence Detector: Sensitivity S/N> 1000 (Raman spectrum of water) <b>or better</b>
Page 53, Para	Fluorescence Detector: Measurement Range <b>upto 10000 EU</b>	Measurement Range /Low background <b>S/N 9000 or more</b>
Page 53, Para	Column Oven: operating temperature range <b>20 to 90°C or more</b>	Operating temperature range <b>20 to 80°C or more</b>
Page 54, Para	Software: Embedded Oracle database for better organization and easy retrieval of system user data	Software: <b>Oracle database for better</b> organization and easy retrieval of system user data
Page 54, Para	Accessories and Kits Cartridges for Aflatoxin Analysis 500 pcs should be quoted	<b>Accessories and Kits Cartridges for Aflatoxin Analysis 100 pcs should be quote or Photochemical Reactor complete wih 100 samples (Consumables).</b>

### Section – VI LIST OF REQUIREMENTS

#### Item No. 01 - Microwave Digester

#### For:

Part II: Required Delivery Schedule:

- a) For Indigenous goods or for imported goods if supplied from India: Within 30 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).
- b) For Imported goods directly from abroad: Within 30 days from date of opening of L/C to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

**Read As:**

- a) For Indigenous goods or for imported goods if supplied from India: Within 90 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).
- b) For Imported goods directly from abroad: Within 90 days from date of opening of L/C to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

**Section – IX**  
**Qualification Criteria**

**Item No. 02 - GC/MS/MS**

**For:**

The average annual financial turnover of 'The bidder' during the last three years, ending on FY 2022, should be at 80% of the Tender estimated value (or equivalent in foreign currency at the exchange rate prevalent on the bid opening date) as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/ Cost Accountant in India or equivalent in relevant countries.

**Read As:**

The average annual financial turnover of '**The Authorized agent or Manufacturer**' during the last three years, ending on FY 2022, should be at 80% of the Tender estimated value (or equivalent in foreign currency at the exchange rate prevalent on the bid opening date) as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/ Cost Accountant in India or equivalent in relevant countries.

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<b>Response To Pre-Bid Queries (Pre-Bid date: 10.04.2023)</b>			
<b>HITES/PCIM&amp;H-01/2022-23 Dated:31-03-2023</b>			
<b>Tender Page &amp; Para</b>	<b>TENDER SPECIFICATION</b>	<b>REPRESENTATION RECEIVED FROM THE FIRMS</b>	<b>Remarks</b>
<b>Item No. 02 - GC/MS/MS</b>			
Pg no.60, Section – IX Qualification Criteria Clause 4	The average annual financial turnover of 'The bidder' during the last three years, ending on FY 2022, should be at 80% of the Tender estimated value (or equivalent in foreign currency at the exchange rate prevalent on the bid opening date) as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/ Cost Accountant in India or equivalent in relevant countries."	Point no. 04) The Average Financial Turnover of "the bidder" during last 3 years ending on FY 2022 should be 80% of the tender estimate value. For this equipment as per budget of Rs 1.0crores. Due to Pandemic in past 2 years, we were sort of Annual Turnover by 3.0 lakhs. Therefore, we request you to please consider this to be 60% of the tender estimate value instead of 80% to enable us to participate in the Bid (Attached our annual Turnover Certificate) for your reference. As well as consider a OEM Turnover certificate as many other organization do accept the same even a GEM consider it.	Refer Amendment
Pg no.60, Section – IX Qualification Criteria Clause 5	The Bidder should submit a 'Credit Limit Certificate' of at least 110% of the Tender estimated value} (or equivalent in foreign currency at the exchange rate prevalent on the bid opening date) duly certified by a Scheduled Nationalised Bank.	Point no.05) The Bidder should submit a "Credit Limit Certificate" of at least (110% of the tender estimated value) Kindly note that we do have credit arrangement with our Principal M/s Thermo Fisher which is higher than the delivery period of 30 days required under the tender, so financial capability to execute the delivery will not be a problem. This is a standard practice followed by us in all tenders Govt sector as well as private. For your information, we have also supplied a GC-MS-MS to the CCRUM, Delhi in 2020 under the same Ministry. Also with this credit arrangement with our Principals there has never been a need to maintain very high credit limits with the banks. In case it cannot be waived completely then kindly allow us to submit an "In Principle credit limit certificate" Our Banker is Bank of Baroda. According to them, to issue such certificate bank need a months time. In the present circumstances, they are ready to issue a Credit limit Certificate in Principle approval.	No change

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<p>Pg no.3, Section – I NleT</p>	<p>GCMS-MS: Total estimated cost (In Rs.): ₹1,00,00,000</p>	<p>Please note that the budget mentioned in the bid for this item seems to be very old. You may please revise it by 70-80% upwards as there was revision in the prices due to following reasons:</p> <p>The Prices are revised due to upward revision in the prices of sub suppliers for raw material and the unprecedented rise in the shipment costs resulting from the Pandemic, which was spread throughout the Globe.</p> <p>Secondly, there is Russia - Ukraine War, has further hardened the prices, especially the logistics cost.</p> <p>These issues already effected badly, and the fall in rupee vis-à-vis dollar made the pricing scenario even more difficult.</p> <p>Attached an order copy of similar equipment supplied in CCRUM, Delhi in Q1 2020. Which is having less accessories &amp; a standard warranty. Where as in your tender specification, you are asking many other accessories &amp; an additional Warranty. These all make the GC-MS-MS configuration even more expensive.</p> <p>Also, please find attached a similar GC-MS-MS Configuration &amp; its Prices on GEM Portal.</p>	<p>No change</p>
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Item No. 01 - Microwave Digester

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Pg no.45, Section – VI LIST OF REQUIREMENTS	Part II: Required Delivery Schedule: a) For Indigenous goods or for imported goods if supplied from India: Within 30 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period). b) For Imported goods directly from abroad: Within 30 days from date of opening of L/C to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).	We request you to kindly extend delivery days of indigenous and imported goods by at least 90 days due to Covid restrictions,	Refer Amendment
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**Note:**

- i.** All other contents of the tender enquiry including terms & conditions remain unaltered.
- ii.** Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.