

MEETING MINUTES OF RESPONSES TO QUERIES ON TECHNICAL SPECIFICATIONS

- a. **Sub:** Responses to queries related to technical specifications for Microwave Digestion System
- b. **Department:** Forensic Science Department
- c. **Date:** 16.02.2024
- d. **Time:** 11:00 AM
- e. **Venue:** Boardroom, NFSU Dharwad, Virtual meet link: <https://meet.google.com/upd-jzcq-xch>

Members Presents:

1. Dr. Saroj Babar, Assistant Professor, NFSU Dharwad
2. Dr. Priyanka Shah, Assistant Professor, NFSU Dharwad
3. Dr. Bhupender Kumar, Assistant Professor, NFSU Dharwad

Special Invitee:

1. Dr. Rajesh Singh, Associate Professor, Babasaheb Bhimrao Ambedkar University (Virtual)
2. Mr. Rajesh C, Assistant Registrar

Agenda Item 0: Opening Remarks

The meeting coordinator, Dr. Bhupender Kumar welcomed all the members of the committee and briefed the agenda items of the meeting.

Agenda Item 1: Discussion on queries received by bidders on the GeM portal/email related to the Microwave Digestion System


The committee has discussed the following queries:


- a. Capacity Rotor
- b. Minimum Vessel Volume
- c. Maximum filling volume
- d. Maximum Pressure Stability of the Rotor/rack
- e. Operating Pressure
- f. Screen Size
- g. Rotor Material


The invited expert and the committee members reviewed the queries and finalised the responses accordingly as attached in **Annexure-1**.

The meeting concluded by giving consent to the above and the coordinator thanked all.


Dr. Bhupender Kumar
Assistant Professor


Dr. Priyanka Shah
Assistant Professor


Dr. Saroj Babar
Assistant Professor


Dr. Rajesh Singh
Associate Professor
School of Earth and Environmental Sciences,
Babasaheb Bhimrao Ambedkar University

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Annexure-1

Queries raised by Milestone:

Sr. No.	Bid Specifications	Queries	Response
1.	Microwave Oven and Controller must have a built-in LCD touchscreen display of size more than 7 inches for all routine operations and the system should have built-in manuals and videos on board. External displays are not acceptable.	Microwave oven and controller must have built in LCD touch Screen display of More than 6.5 Inches for all routine operations and the system should have built in Manuals and videos on board. external displays are not acceptable.	Technical committee members recommended Size of the display be modified: ≥6.5 Inches
2.	Max. Temperature: Ambient to 250 °C or higher	Max. Temperature: Ambient to 300 °C or higher	As per the bid specification 250 °C our minimum requirement, Bidder with a higher temperature can participate.
3.	Sample amount: 3gm or higher per vessel for Inorganic compounds like soil & 2gm or higher per vessel for organic compounds like biological tissue, water, and ultra-trace level elemental analysis.	Sample amount: up to 1gm or higher per vessel for Inorganic compounds like soil & up to 2 gm or higher per vessel for organic compounds like biological tissue, water, and ultra-trace level elemental analysis.	Technical committee members recommended no change in the specification.
4.	Volume and Vessel: The volume of the sample holder will be compatible with a sample weight and should be a minimum vessel volume of 50ml with 12 vessels of PTFE/TFM material made with metal safety discs for overpressure protection. The vessel must have having maximum pressure specification of 40 bar or higher.	Volume and Vessel: The volume of the sample holder will be compatible with a sample weight and should be a minimum volume of 80ml or more with 24 vessels of PTFE/TFM material made with metal safety discs for overpressure protection. The vessel must have having maximum pressure specification of 60 bar or higher.	Technical committee members recommended no change in the specification.
5.	Rotor Material: Aluminum	Rotor Material: Aluminum/PEEK/PTFE-TFM.	Technical committee members recommended: Rotor Material: Aluminum/PEEK/PTFE-TFM.



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Annexure-1


Queries raised by Lab India:

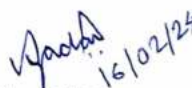
Sr. No.	Bid Specifications	Queries	Response
1.	Volume and Vessel: The volume of the sample holder will be compatible with a sample weight and should be a minimum vessel volume of 50ml with 12 vessels of PTFE/TFM material made with metal safety discs for overpressure protection. The vessel must have having maximum pressure specification of 40 bar or higher.	Volume and Vessel: The volume of the sample holder will be compatible with a sample weight and should be a minimum vessel volume of 110ml with 8 vessels of PTFE/TFM material made with metal safety discs for overpressure protection.	Technical committee members recommended no change in the specification.


Request by ACT Scientific:

Sr. No.	Bid Specifications	Queries	Response
1.	Annual turnover: 60 Lac.	Requisition to provide MSE exemption for year of experience/ turnover or to reduce the turnover	Technical committee members recommended considering the minimum turnover of 55 Lac. Required documents and verification: 1. OEM certificate required on their Letterhead of original manufacturing. 2. Verification of Udyam certificate for specific product.


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