

**सीएसआईआर- केन्द्रीय नमक व समुद्री रसायन अनुसंधान
संस्थान, भावनगर**

Tender No. : 10-53(1475)/24-25/PB/T-18

Date: 28.07.2025

Ref. No: - 1) Tender No. : 10-53(1475)/24-25/PB/T-18 Dated 03.07.2025

2) E-tender ID: 2025_CSIR_240139_1 Dated: 03.07.2025

NOTE

Pre-bid meeting for the Procurement of **MICROWAVE DIGESTER** was held on 22.07.2025 at 03:30 AM in Hybrid Mode.

After the discussion in the meeting, the technical committee recommends the final and frozen technical specifications as attached. All the bidders/suppliers kindly submit their offer as per final and frozen technical specifications.

Last date of submission of bids: 18.08.2025 (6:00 PM IST)

Date of opening of Technical bid: 20.08.2025 (11:00 AM IST)

All the bidders please take note of the same prior to submission of their bid.

All other terms and conditions will remain unchanged.

Stores and Purchase Officer

Specification for Microwave Digester

- Microwave applied power: 0-1800 W or higher
- Digestion Temperature: 200°C or higher for all types of acid mixtures
- Digestion Pressure or working pressure: 100 bar or higher

Rotor & Vessels:

- Vessel capacity: 100 ml or more
- The system should be able to digest at least 6 samples simultaneously
- Digestion vessel and rotors MoC: PTFE and acid (HNO_3 , HCl , H_2SO_4 , HF , H_2O_2 , HClO_4) resistant
- Pressure vent and resealing valve: Yes
- Vessel cooling system: Built in with variable air flow and acid (HNO_3 , HCl , H_2SO_4 , HF , H_2O_2 , HClO_4) resistant exhaust system.
- Temperature sensor: Contact-less (all vessels)
- The system must provide rapid cooling and pressure release following digestion.
- There should be no loss of volatile elements (for example Hg and Se) during sample digestion.

Safety:

- Compartment: Made of stainless-steel housing with corrosion resistance material and shall be explosion proof. Body shall have protective coating for resistance from acid/organic fumes.
- The system shall have automatic door locking mechanism and independent safety interlocks for open door and over-pressure venting
- The system shall be certified by appropriate safety body for safe operation compliance.

Operating Software Features:

- The software must allow for control of digestion programs during operation.
- Control and Display console with storage of digestion methods with programming for microwave power, time, pressure, temperature.
- The system should include a built-in method library with the option to edit existing methods and create new ones
- Tutorials, videos, and user manuals should be provided with the system. Hard copy of user manual should also be provided.
- All features must be controllable via a touch screen display
- System should communicate the error (if any) on screen in real time during digestion.
- The system shall be remotely accessible for monitoring over ethernet. PC with minimum configuration shall be supplied: i5 processor, 3GHz or higher, 16 GB RAM, 500GB SSD, 25 inch monitor, ports (ethernet, USB), wireless-keyboard and mouse

Warranty: Minimum 3 Years (Parts & Labor)

- Non-comprehensive annual maintenance contract: 5 years post warranty period – 2 Preventive maintenance visit + 1 breakdown visit annually
- Installation and commissioning: The supplier shall perform on-site installation, commissioning, and start-up of all system components in order to provide a fully functional system.
- Testing: The installed system shall be tested for its performance at CSIR-CSMCRI premises in accordance with the specifications mentioned in the purchase order. Tests shall demonstrate the proper operation of the instrument and all components.

- Training: On-site operation, Maintenance and application training for CSIR-CSMCRI staff, minimum 2 days.
- Please provide details of operational installations for the quoted model in India including CSIR labs, with performance reports from users (name, Organization, contact details, and commissioning dates) for verification. At least, three are required.
- Spares & Service Support: Shall be available for the next 10 years from the date of installation.
- Operation and maintenance manual, standard tool kit shall be supplied along with the instrument
- Please furnish original catalogues from the manufacturer of the instrument with technical specifications and application notes demonstrating instrument performance capabilities.
- Please furnish details of the nearest service setup to CSIR-CSMCRI, Bhavnagar along with address and telephone numbers.
- Please confirm that the bid includes all required components to deliver a fully functional system, complete with installation, calibration, testing, training, and warranty documentation.

Bid Submission Requirements:

Bidders shall mandatorily submit the response sheet for all above tender specifications/details.

Specimen for bidder response sheet

CSMCRI Specs	Bidder specs	Remarks

Failure to provide all the above-mentioned information may result in the bid being rejected. Bids that are unclear or leave room for interpretation will be considered unresponsive and will not be evaluated.



Basic Details

Organisation Chain	Council of Scientific and Industrial Research CSMCRI-Bhavnagar - CSIR Purchase-CSMCRI - CSIR		
Tender Reference Number	10-53(1475)/24-25/PB/T-18		
Tender ID	2025_CSIR_240139_1	Withdrawal Allowed	Yes
Tender Type	Global Tenders	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	Yes
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	Yes

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Bidder Information Form as per annexure
		.pdf	Manufacturers Authorization Form as per annexure
		.pdf	Bid Securing Declaration as per annexure
		.pdf	Performance Statement Form as per annexure
		.pdf	Deviation Statement Form as per annexure
		.pdf	Service Support Detail Form as per annexure
		.pdf	Declaration of abiding by the code of integrity an conflict of interest as per annexure
		.pdf	Organizational Chart with Technical Qualification or Power of Attorney as per annexure
		.pdf	Financial Statement of the Tenderer as per annexure
		.pdf	Class of Local Supplier and Domestic value addition as per annexure
		.pdf	Declaration of Eligibility Bidders as per annexure
		.pdf	Price Schedule Form in Foreign Currency as per annexure
		.pdf	Price Schedule Form in Indian Currency as per annexure
		.pdf	Checklist as per annexure
		.pdf	Compliance Statement Form as per annexure
		.pdf	Information on land border share as per annexure
		.pdf	TECHNICAL LITERATURE
		.pdf	SCHEDULE OF REQUIREMENT as per chapter 3

		.pdf	Copies of Previous PO last 3 years along with details of such supplies and showing Price
		.pdf	COPY OF MSME/ START UP/ SSI REGISTRATION IF ANY
		.pdf	COPY of RTGS/Bank details as per Annexure 13
		.pdf	Copy of PAN card and GST in the name of firm/proprietor
		.pdf	OTHER IMPORTANT DOCUMENT IF ANY
2	Finance	.pdf	Bid Form as per annexure
		.pdf	PRICE BID
		.pdf	PRICE BID as per BOQ
		.xls	BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]				EMD Fee Details			
Tender Fee in ₹	0.00			EMD Amount in ₹	0.00	EMD Exemption Allowed	No
Fee Payable To	Nil	Fee Payable At	Nil	EMD Fee Type	fixed	EMD Percentage	NA
Tender Fee Exemption Allowed	No			EMD Payable To	Nil	EMD Payable At	Nil

[Click to view modification history](#)

Foreign Currency BOQ Details		
S.No	Currency	Conversion rate in ₹
1	US Dollar	NA
2	European Euro	NA
3	British Pound	NA
4	Japanese yen	NA
5	Swiss Franc	NA

Work /Item(s)					
Title	PROCUREMENT OF MICROWAVE DIGESTER				
Work Description	PROCUREMENT OF MICROWAVE DIGESTER				
Pre Qualification Details	PROCUREMENT OF MICROWAVE DIGESTER				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	0.00	Product Category	Miscellaneous Goods	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	180
Location	CSIR-CSMCRI, BHAVNAGAR	Pincode	364002	Pre Bid Meeting Place	Hybrid Mode as mentioned in tender
Pre Bid Meeting Address	CSIR-CSMCRI, BHAVNAGAR	Pre Bid Meeting Date	22-Jul-2025 03:30 PM	Bid Opening Place	CSIR-CSMCRI, BHAVNAGAR
Should Allow NDA Tender	No	Allow Preferential Bidder	Yes		

Preferential Bidder Category		
S.No	Preference Category	Tolerance Percentage
1.	Make in India	20.00
2.	MSME	15.00

Critical Dates			
Publish Date	03-Jul-2025 06:00 PM	Bid Opening Date	20-Aug-2025 11:00 AM
Document Download / Sale Start Date	03-Jul-2025 06:00 PM	Document Download / Sale End Date	18-Aug-2025 06:00 PM

Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	30-Jul-2025 06:00 PM	Bid Submission End Date	18-Aug-2025 06:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	NIT	793.97	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	TES.pdf	TES	2878.83
	2	BOQ	BOQ_273305.xls	BOQ	246.00

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	2	7

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sdchauahan.eproc@csir.res.in	Sanjay Chauhan	SANJAY DINESHBHAI CHAUHAN
2.	rkhp.eproc@csir.res.in	Ravi Kumar Patel	RAVIKUMAR HASMUKHRAI PATEL
3.	kajald.eproc@csir.res.in	Kajal Dhameliya	KAJALBEN MOHANBHAI DHAMELIYA
4.	nch.eproc@csir.res.in	Nripendra Chandalia	NRIPENDRA CHANDALIA

GeMARPTS Details

GeMARPTS ID	RM4Q9A0E2Q92
Description	MICROWAVE DIGESTER
Report Initiated On	03-Jul-2025
Valid Until	02-Aug-2025

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	TIA UNDERTAKING GEM	Agree	
2	PPP-MII Order 2017	Agree	
3	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	DIRECTOR,CSIR-CSMCRI, BHAVNAGAR
Address	CSIR-CSMCRI, BHAVNAGAR

Tender Creator Details

Created By	Kaushal Kumar Jha
Designation	JSA
Created Date	03-Jul-2025 12:53 PM