



DOST-ASTI Bids and Awards Committee
Notice of Negotiated Procurement -Two Failed Biddings

RFQ No.: 24-05-4801	Date: Jul-29-2024
PR No.: GAA-24-03-18873	Date: Mar-18-2024

The Advanced Science and Technology Institute (ASTI) , through its Bids and Awards Committee, will undertake **Negotiated Procurement:Two-failed Biddings** for the item/s listed below. Interested proponents are invited to attend **Negotiated Conference** at ASTI Building, Ground Flr. ASTI Bldg, C. P. Garcia Ave, U.P.Campus Diliman, Quezon City on: **August 5,2024 , 9:00 AM.**

For inquiries, you may call the BAC Secretariat at **+63 2 426-9759/60 local 1206/1212** and look for Ms. Katherine B. Ramos

Respectfully,

BAYANI BENJAMIN R. LARA
BAC Chairperson

ITEM NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE	TOTAL PRICE
1	<p>Thermal Shock Chamber</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply, Delivery, Installation, Testing, Training and Commissioning of One (1) lot Thermal Shock Chamber, for Product Safety Laboratory of Electronics Product and Development Center.</p> <p>1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and other charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Supply and delivery of one (1) lot Thermal Shock Chamber with the following specifications:</p> <p>2.1.1. Temperature</p> <p>2.1.1.1. Temperature range: -40°C ~ +150°C</p> <p>2.1.1.2. Range of High Temperature Zone: +60°C ~ +150°C</p> <p>2.1.1.3. Range of Low Temperature Zone: -40°C ~ - 10°C</p> <p>2.1.1.4. Set Range of High Temperature Zone: +60°C ~ +200°C</p> <p>2.1.1.5. Set Range of Low Temperature Zone: -65°C ~ -10°C</p> <p>2.1.1.6. Shock Revert Time of the Test Chamber: -40°C ~ +150°C, about 5 minutes</p> <p>2.1.1.7. Constant Temperature Time of High and Low Temperature Shock: Above 30 minutes</p> <p>2.1.1.8. Temperature Constancy: ±1.5°C</p> <p>2.1.1.9. Temperature Uniformity: ±2°C</p> <p>2.1.2. Dimension</p> <p>2.1.2.1. Internal Dimension (WxHxD):</p>	1	lot	5000000.00	5,000,000.00

65x46x67cm (±).

2.1.2.2. External Dimension (WxHxD):
160x198x194cm (±).

2.1.2.3. External dimensions do not include protrusions.

2.1.2.4. Volume: 200L

2.1.3. Structure:

2.1.3.1. Interior Material: Stainless steel plate

2.1.3.2. Exterior Material: SPHC hot-rolled steel plate electrostatic powder coating

2.1.3.3. Heat preservation material:

2.1.3.3.1. High Temp Chamber: glass wool

2.1.3.3.2. Low Temp Chamber: PU foam + glass wool

2.1.3.4. Heater: Bare type heater

2.1.3.5. Airflow Cycle System:

2.1.3.5.1. Fan Motors: 1 HP – 4 sets.

2.1.3.5.2. Lengthen stainless steel axes.

2.1.3.5.3. Sirocco fan

2.1.3.6. Chamber Door: Single door, left open, handle is at the right side.

2.1.3.6.1. Flat buckle handle

2.1.3.6.2. Hidden hinge

2.1.4. Refrigeration System:

2.1.4.1. Compressor: Imported compressor

2.1.4.2. Refrigerant: CFC free refrigerant

2.1.4.3. Condenser: Air cooling type

2.1.5. Programmable Controller: 7" LCD touch screen

2.1.6. Remote Monitoring Software

2.1.7. Refrigeration System:

2.1.7.1. Condenser: Air cooling type

2.1.8. Controller

2.1.8.1. Running Mode: Program running

2.1.8.2. Memory: 10000 programs and 10000 cycles of each program.

2.1.8.3. Input Range: Temp.: -100~200°C

2.1.8.4. Display range: Temp.: -100~200°C

2.1.8.5. Set Resolution: Temp: 1°C (1min in shock and 1sec in air vent/recover process)

2.1.8.6. Display Resolution: Temp.: 0.1°C (Time: 1 sec in showing the actual temperature (PV))

2.1.8.7. Temperature Measurement: T-type

2.1.8.8. Control Mode: PID

2.1.8.9. Can set two-zone or three-zone thermal shock.

2.1.9. Page Display

2.1.9.1. Human-machine interface and touch panel input and control.

2.1.9.2. Display of setting value (SV) and actual value (PV) of temperature and humidity.

2.1.9.3. Display of program number, step number, remain time and running time.

2.1.9.4. Show and output of actual and history curves.

2.1.9.5. Independent program editor page.

2.1.9.6. Language Options: Simplified Chinese /Traditional Chinese/ English

2.1.9.7. Backlight time setting(0~60min) and always lighting (0min)

2.1.9.8. Backlight Regulation: 6 levels of

luminance choice.

2.1.9.9. Trouble Shooting: Show the information of cause, solution, and history record.

2.1.10. Program Capacity and Control

2.1.10.1. Program Capacity: Max 10000 programs and 10000 cycles.

2.1.10.2. Shock Time: Max 10000hr 59min.

2.1.10.3. Two-time signal control of ON/OFF for the power of the specimens.

2.1.10.4. Advance hold when the program is running.

2.1.10.5. USB interface to store and copy the data, maximum capacity 32G.

2.1.10.6. Zoom in graph shows 10min in time axial per page and maximum show graph of 10000hrs on the controller.

2.1.10.7. Graph record rate setting between 1~60sec.

2.1.10.8. Preset start/stop

2.1.10.9. Wait to hold the actual temperatures.

2.1.10.10. Reboot Mode: Hot, cool and stop

2.1.10.11. Screen lock, system time adjustment, and memory of test data when power outage

2.1.10.12. Remote Monitor Software: To monitor the running status and control the Start/Stop of the chamber on PC.

2.1.11. Safety Devices

2.1.11.1. Over-temp protector, overvoltage, and reverse/off phase protector.

2.1.11.2. Compressor overheat protector, compressor high-pressure protector.

2.1.11.3. Compressor over-current protector, buzzer.

2.1.12. Cable port hole

2.1.12.1. One set of $\varnothing 50$ mm cable port hole on the chamber left side for the specimen cable entry. Accessory with one stainless steel cover and one silicone stopper.

2.1.13. Bracket

2.1.13.1. Stainless steel netting shelf SUS #304, two (2) pcs.

2.1.13.2. Stainless steel adjustable 40mm shelf hook, eight (8) pcs.

2.1.14. Gland Strip: Silicone foam

2.1.15. Environment

2.1.15.1. Function ensure Range: 5~35°C (Except for cooling time)

2.1.16. Power: 3 ϕ 3W 220V 60 Hz.

2.1.17. Safety Grounding: Grounding resistance $\leq 4\Omega$

2.1.18. Comes with Valid ISO 17025:2017 equipment calibration certificate.

2.2. Installation and Training

2.2.1. Equipment setup and installation at Product Safety Laboratory including necessary civil works.

2.2.2. Electrical

2.2.2.1. Must include all necessary electrical works and materials (e.g., wires, circuit breakers, panel board, raceways, etc.), for the setup and operation of the thermal shock chamber.

Note: Applicable only for ABCs above Php500,000.00

3. Omnibus Sworn Statement

Note: Applicable only for ABCs above Php50,000.00 and must be submitted upon post-qualification

For procurement of infrastructure:

1. The requirements for goods.
2. Valid PCAB License.

For procurement of consulting services:

1. The requirements for goods.
2. Valid PRC License or Curriculum Vitae.

NOTE: For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid.
2. For all kinds of procurement, the bidder who passed the bid evaluation, shall submit a duly notarized Omnibus Sworn Statement upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery; and
5. The DOST-ASTI reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.