

Republic of the Philippines
Department of Science and Technology
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE
DOST Compound, General Santos Ave., Bicutan, Taguig City
Tel. Nos.: 8837-2071 to 82 (DOST Trunklines)
Telefax No.: 8837-3167 / 8837-6150
www.itdi.dost.gov.ph



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ID 9108635715

PROJECT : Various Laboratory Equipment

LOCATION: DOST Compound, Gen. Santos Ave., Bicutan, Taguig City

OWNER : Industrial Technology Development Institute (ITDI)

SUBJECT : SUPPLEMENTAL/BID BULLETIN NO. 1

Date : October 26, 2023

This Bid Bulletin No. 1 is being issued to Bidders for their information and guidance in the preparation of their bids and shall be taken into consideration in their proposal. This bid bulletin will form part of the contract for this project.

1. Governing Rules:

Bidding and contract award for the above project shall be governed by the Revised Implementing Rules and Regulations of RA 9184 and the Philippine Bidding Documents (PBD), Fifth Edition, October 2016. Any discrepancy between the General Conditions and RA 9184, R.A 9184 shall prevail.

2. Marking and Sealing of Bids

- a. Contents of sealed envelope marked "**ORIGINAL BID**"
Sealed Envelope 1 marked "**Original – Eligibility & Technical Proposal**"
Sealed Envelope 2 marked "**Original – Financial Proposal**"
- b. Contents of sealed envelope marked "**COPY NO. 1**"
Sealed Envelope 1 marked "**Copy No. 1 – Eligibility & Technical Proposal**"
Sealed Envelope 2 marked "**Copy No. 1 – Financial Proposal**"
- c. Contents of sealed envelope marked "**COPY NO. 2**"
Sealed Envelope 1 marked "**Copy No. 2 – Eligibility & Technical Proposal**"
Sealed Envelope 2 marked "**Copy No. 2 – Financial Proposal**"
- d. The sealed outer envelopes marked "**ORIGINAL BID**", "**COPY NO. 1**" and "**COPY NO. 2**" shall be enclosed in **one single envelope/package**.
- e. All envelopes shall contain the following:

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Membership:

ASEAN Consultative Committee for Standards & Quality - Rubber-Based Product Working Group | ASEAN Rubber Testing Laboratory Committee | Asia Nano Forum (ANF) | Asia-Pacific Food Analysis Network (APFAN) | Asia Packaging Network (APN) | Asia Pacific Legal Metrology Forum (APLMF) | Asia Pacific Metrology Programme (APMP) | General Conference on Weights and Measures (CGPM) | ISTA Global and Asia Pacific | International Association of Packaging Research Institutes (IAPRI)



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PROJECT: (NAME OF THE PROJECT)

(NAME AND ADDRESS OF BIDDER IN CAPITAL LETTER)

TO: THE INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE (ITDI)

**DR. JANET F. QUIZON
ITDI-BAC CHAIRPERSON
Metrology Building, DOST Compound
Bicutan, Taguig City**

DO NOT OPEN BEFORE: Scheduled date & time of opening of bids

3. Items to be considered in the preparation of Bid

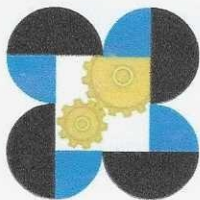
- A. Bid Proposal shall be in Philippine currency.
- B. The bid shall be signed on each and every page by the duly authorized signatory of the bidder. Items with erasures on the bid should bear the initials of the authorized signatory.
- C. Bidders shall submit a Bid Securing Declaration or at least one (1) other Bid Security, the amount of which shall not be less than the percentage of the ABC in accordance with the following schedule:

Forms of bid Security	Amount of Bid Security (Not less than to Percentage of the ABC)
a) Cash or Cashier's/manager's check issued by a Universal or Commercial Bank	Two percent (2%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security	Five percent (5%)

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- D. Bid bonds should be posted in favor of Industrial Technology Development Institute. If other than GSIS, the bid bond should be accompanied with certificate of accreditation from the Insurance Commission. Bid bonds should be submitted with original receipts of payments. Bid security shall be Callable on Demand with a validity period of 120 calendar days.
- E. To guarantee the faithful performance by the winning bidder of its obligations under the contract, it shall post performance security taken from the categories below the amount of which shall be not be less than the percentage of the total contract price in accordance with the following schedule:

Forms of Performance Security	Amount of Performance Security Not less than the Percentage of the Total Contract Price)
a) Cash or Cashier's/manager's check issued by a Universal or Commercial Bank	Goods and Consulting Services - Five Percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security	Thirty percent (30%)

4. Submission of Bids – November 7, 2023, 8:30 A.M. – 9:00 A.M.

- Gel Documentation System
- Protein Purification System
- Refrigerated Microcentrifuge
- Ultralow Freezer (-80°C)
- Real-time PCR Machine
- Refrigerated Centrifuge
- Phase Contrast Inverted Microscope
- Direct Mercury Analyzer (Thermal, Decomposition, Amalgamation and AAS)
- Fuel Cell Test Station

Late bids shall not be accepted

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5. **Opening of Bids – November 7, 2023, 9:01 A.M.**

- Gel Documentation System
- Protein Purification System
- Refrigerated Microcentrifuge
- Ultralow Freezer (-80°C)
- Real-time PCR Machine
- Refrigerated Centrifuge
- Phase Contrast Inverted Microscope
- Direct Mercury Analyzer (Thermal, Decomposition, Amalgamation and AAS)
- Fuel Cell Test Station

6. **Eligibility & Technical Specification:**

➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Gel documentation system***

- Onboard computer system: 2-4 USB ports
- Excitation source: Must be of the following: Trans UVB, Epi-white, Trans-white, and Trans-blue or similar
- -Detector: 6.0 - 6.5 MP CMOS or CCD
- Instrument size (L x W x H): 11-20 x 11-15 x 14-23 inches
- -Operating temperature: 15-28°C
- -Imaging trays: White sample tray, Blue sample tray, UV/Stain-Free Tray or similar

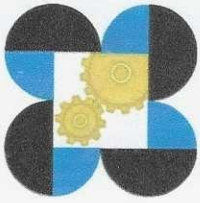
➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Protein Purification System***

- Volume Capacity: 150-175 vessels for 3-5 mL, 70-85 vessels for 15 mL, and 30-40 vessels for 50 mL
- Workstation: Intel Core i5-i7 Processor, Graphics: 256-512 GB SSD
- Inclusions:
 - Calibration/Validation with certificate upon installation witness by end-user
 - UPS (2-3 KVA with minimum 10 minutes back-up)
- Warranty: Two (2) years warranty on equipment, parts and services

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➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Refrigerated Microcentrifuge***

- Lowest sample temperature: 2°C or lower
- Maximum RCF: 21,000 x g
- Noise level: <70 dbA
- Display: LED or LED
- Slowdown time (from highest RPM to rest): 30 seconds or depends on the preset values
- Security features: With audio and visual for imbalance warnings
- Safety features:
 - With shock and rust resistance or equivalent
 - removal of specs: transparent polyphenylsulfone (PPSU) rotor lids
 - Rotor lid: Transparent rotor lid or similar
 - With Viewing hole
- removal of specs: Defrost: Manual
- External dimensions (H x W x D): 11-15 x 10-15 x 15-25
- Equipment weight (kg): <100 kg
- 3 years annual preventive maintenance and services with calibration certificate or equivalent

➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Ultralow Freezer (-80°C)***

- Temperature range: -70°C to -85°C
- Capacity: 550-700 L, 300-500 pcs 2-inch cryoboxes; with 3-5 shelves (stainless steel)
- Monitoring system: Alarm and History tracking; Data can be transported using USB port
- Door style: 1 outer 2-4 inner doors
- 1 liquid nitrogen or liquid CO2 back-up systems 47-100 L capacity, with indicator lights when cylinder is empty or the system is active
- Exterior Dimensions (DxWxH): 34-45 x 30-35 x 75-80 in.
- Interior Dimensions (DxWxH): 23-35 x 20-35 x 50-55 in
- 47-100L liquid nitrogen or liquid CO2 refill must be included on annual preventive maintenance

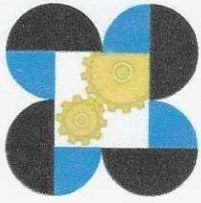
➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Real-time PCR Machine***

- Temperature range: 4°C to 99.9°C
- Lid temperature range: 30°C to 105°C
- Removal of specs: adjustable screen (10 to 25 degrees)
- Capable of FRET analysis
- Removal of specs: Detection scanning time: less than 5 seconds for single channel; less than 15 seconds for all channels

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➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Refrigerated Centrifuge***

- Revolution per Minute: 500 to 17,000 rpm or higher and in 10 rpm increments
- Temperature range: -5 or lower to 40°C
- Display: LED, LCD or similar
- Speed Display: Actual rotor speed or actual RCF in 10-20 x g / rpm
- Acceleration: with 2-3 levels of acceleration profiles, including maximum rpm (depending on preset values or setpoint)
- Deceleration: with 2-3 levels of deceleration profiles, including maximum rpm (depending on the preset values or setpoint) and no sudden braking
- Materials: Stainless steel (corrosion resistant), Aluminum or better, with shock resistance or equivalent
- Dimension (W x D x H): 15-18.1 x 25-30 x 12-14 inches
- 1 pc. Automatic Voltage Regulator, 1 kV or compatible to the machine
- Removal of specs: Defrost: Manual

➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Phase Contrast Inverted Microscope***

- Objectives:
 1. 4X plan semi apochromat, -NA: 0.13-0.15, -WD: 17-20 mm
 2. 10X plan achromat, -NA: 0.25-0.30, -WD: 10-15 mm
 3. 20X long working distance achromat phase objective, -NA: 0.4-0.45, -WD: 3.0-3.5 mm
 4. 40X long working distance achromat phase objective, -NA: 0.55-0.60, -WD: 2.0-2.5 mm
- Nosepiece: Coded, revolving, 6-position; Must be with waterproof structure or equivalent
- Filter holders: 1-4 holders
- Light source: with pre-centered halogen bulb or high-colored reproductive LED
- Condenser: Ultra long working distance for phase contrast microscope (NA: 0.30-0.35; WD: 73-75mm) or equivalent
- With built-in imaging system or USB 3.1 camera attachment (4K ready camera) with compatible imaging software

➤ ***Supply, Delivery, Installation and Commissioning of One (1) lot Direct Mercury Analyzer (Thermal, Decomposition, Amalgamation and ASS)***

- Removal of: 1 bottle of mercury standard (at least 100 mL), traceable to NIST or equivalent
- Thickness: 20 mm with beveled edge
- Dimension: Depends on the size of the Mercury Analyzer, with extra allowance of 0.5 meters for the length.

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- Uninterrupted Power Supply (UPS) 220V, at least 5 KVA with 30mins back-up (for the equipment)
- SLCC- Common laboratory equipment is acceptable

➤ ***Supply, Delivery, Installation and Commissioning of One (1) lot Fuel Cell Test Station***

- 1 year warranty on parts and 2 years on service

****Only those technical specifications indicated herein will be changed, those that are not mentioned will be retained as indicated in Section VII of the Bidding Documents.***

Issued by:


DR. JANET F. QUIZON
ITDI-BAC Chairperson

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