

**PROJECT: Supply, Delivery, Installation and Commissioning of Various Equipment**

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

**OWNER :** Industrial Technology Development Institute (ITDI)

**SUBJECT: SUPPLEMENTAL/BID BULLETIN NO. 1**

**Date :** July 29, 2024

---

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.**

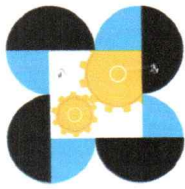


**Membership:**

*Inspired by Technology, Driven by Innovation*

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) | International Organization of Legal Metrology (OIML) | ASEAN Consultative Committee for Standards and Quality - Working Group on Legal Metrology (ACCSQ-WG3) | ISTA Global and Asia Pacific | International Association of Packaging Research Institutes (IAPRI) | Association of Official Analytical Collaboration (AOAC) Southeast Asia Section





e. All envelopes shall contain the following:

<p><b>PROJECT: (NAME OF THE PROJECT)</b></p> <p>(NAME AND ADDRESS OF BIDDER IN CAPITAL LETTER)</p> <p><b>TO: THE INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE (ITDI)</b></p> <p><b>DR. JANET F. QUIZON</b>  <b>ITDI-BAC CHAIRPERSON</b>  <b>Metrology Building, DOST Compound</b>  <b>Bicutan, Taguig City</b></p> <p><b>DO NOT OPEN BEFORE: Scheduled date &amp; time of opening of bids</b></p>
--

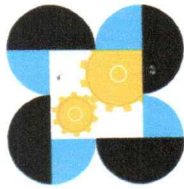
**3. Items to be considered in the preparation of Bid**

- 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%)







- 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 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	Goods and Consulting Services - Five Percent (5%)
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 – August 5, 2024, 8:30 A.M. – 9:00 A.M.

- **Ultrasonic Processor**
- **Rotary Evaporator**
- **Analytical Semi-microbalance**

**Late bids shall not be accepted**



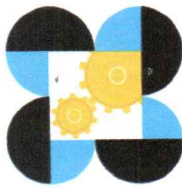
*Inspired by Technology, Driven by Innovation*

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**) | International Organization of Legal Metrology (**OIML**) | **ASEAN** Consultative Committee for Standards and Quality - Working Group on Legal Metrology (**ACCSQ-WG3**) | **ISTA** Global and Asia Pacific | International Association of Packaging Research Institutes (**IAPRI**) | Association of Official Analytical Collaboration (**AOAC**) Southeast Asia Section



Management System  
ISO 9001:2015  
www.tuv.com  
ID: 8430600715





**5. Opening of Bids – August 5, 2024, 9:01 A.M.**

**6. Eligibility & Technical Specification:**

➤ **Supply, Delivery, Installation and Commissioning of One (1) unit Ultrasonic Processor**

• **Accessories Inclusion:**

**1. Cascatrode**

- Usable for flow cell or batch operation, titanium, diameter. 40 mm with length approx. 325-340 mm + 10-15 mm for male thread M14x1
- Effective work surface approx. 33 cm<sup>2</sup>
- Input amplitude max. of 50 microns (amplitude capacity should not be below 35 microns/amplitude preferably is close to 50 microns value), with amplification factor of 1:1.4 to 1:1.6

**2. Booster set**

- Consisting of titanium boosters for mechanical increase/ decrease of the sonotrode amplitude, with amplitude ratio of 1:1.2 and 1:1.4, with female threads M14x1 with titanium thread bolt TiM14x1

**3. Clamp**

- Threaded sonotrode adapter, with male conical pipe thread 1.5 inch, for use of assemble sonotrodes in tanks
- Triclamp design for easy sonotrode exchange with O-ring sealing for up to 5 bars

**4. Holder**

- Universal holder (angle: 90 degrees) for mounting of transducer, with mounting holes, including three (3) mounting brackets for the transducer flange, stainless steel material

**5. Vertical adjustable stand**

- Steel, blue coating RAL 5002 on swivel casters, heavy duty winch with max. load capacity of 100 kg, max. inner width of 540-600 mm, height of 1580-1700 mm
- Total weight: 32-38 kg (without motor)

**6. Inclusion of two (2) units of heavy-duty cylindrical tank with cover, LDPE material (Low Density Polyethylene)**

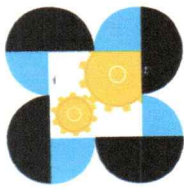
- with 15-20 mil liner thickness
- **Minimum volume capacity: 50 liters (L)**
- **Diameter: 35 - 39 cm (minimum value); Depth/ Height: 52 - 58 cm (minimum value)**

• **Other requirements:**

- Submit picture / brochure of ultrasonic processor







- Provide technical design of transducer and generator
- Package should include delivery, installation, preventive maintenance (for 2-year duration), commissioning and on-site operational training with manual by the supplier's service engineer
- After sales service requirement: In case of equipment breakdown, there are available local supplier/ trained engineers who can provide adequate services support

➤ ***Supply, Delivery, Installation and Commissioning of One (1) unit Rotary Evaporator***

- Rotary evaporator dimensions only (W x D x H):  
900 – 1300mm x 550-900 mm x 1500 – 1900 mm with 85-120 kg (weight)
- Power consumption: 4300 W – 5000 W range will be acceptable, provided that the distillation rate is up to 12L ethanol/ hour
- 2.4 to 2.7 bar range cooling restriction absolute without pulsation
- LCD digital display with key buttons is acceptable, provided that emergency stop hard keys are present
- Pump flow should be 12-14 L/minute, with 2500W cooling capacity, for efficient operation of rotary evaporation

➤ ***Supply, Delivery, Installation and Commissioning of Two (2) unit Analytical Semi-microbalance***

- Delivery term: 60 calendar days

➤ ***Supply, Delivery, Installation and Commissioning of Two (2) lot Mass Flowmeter with accessories***

- Density accuracy maximum value:  $\pm 5 \text{ kg/m}^3$ , full scale

***\*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



**Membership:**

*Inspired by Technology, Driven by Innovation*

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) | International Organization of Legal Metrology (OIML) | ASEAN Consultative Committee for Standards and Quality - Working Group on Legal Metrology (ACCSQ-WG3) | ISTA Global and Asia Pacific | International Association of Packaging Research Institutes (IAPRI) | Association of Official Analytical Collaboration (AOAC) Southeast Asia Section



Management System  
ISO 9001:2015  
www.tuv.com  
ID 9429503715

