

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



Management
System
ISO 9001:2015



www.tuv.com
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 : November 22, 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:

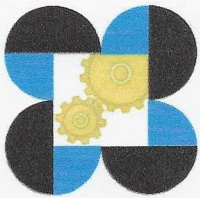
Bidding and contract award for the above project shall be governed by the Revised Implementing Rules and Regulations of RA 9184 and the Philippine Bidding Documents (PBD), Fifth Edition, October 2016. Any discrepancy between the General Conditions and RA 9184, R.A 9184 shall prevail.

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:



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

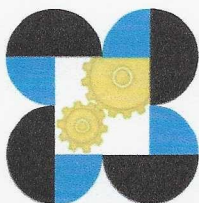
3. Items to be considered in the preparation of Bid

- 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 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 – November 30, 2023, 8:30 A.M. – 9:00 A.M.**

- Microwave Digestion System
- High Throughput/Output 3D Printing Filament Extruder Line
- 32 Footer Customized Truck (Aseptic Module)

Late bids shall not be accepted

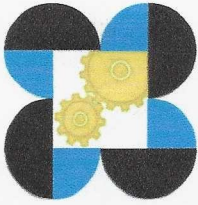
5. **Opening of Bids – November 30, 2023, 9:01 A.M.**

- Microwave Digestion System
- High Throughput/Output 3D Printing Filament Extruder Line
- 32 Footer Customized Truck (Aseptic Module)

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Wm

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6. Eligibility & Technical Specification:

➤ *Supply, Delivery, Installation and Commissioning of One (1) lot Microwave Digestion System*

- With built-in contactless control monitoring or similar
- Vessel: at least 8
- Contactless pressure control or similar
- Microwave power: 0-1000W (adjustable)
- Dimension: 300-550mm x 500-600mm x 550-700mm (WDH)
- With spare inner and outer vessel at least 4

➤ *Supply, Delivery, Installation and Commissioning of One (1) lot High Throughput/Output 3D Printing Filament Extruder Line*

- Single Screw Extruder (20mm, L/D 25-20mm with inclusions) or higher
- Motor power: Min: 0.5kW Max: 1.5kW
- Heating power: Min: 600kW; Max: 2800kW
- Extrusion rate: Minimum extrusion rate: 800 - 1500g/hour
- 3D Filament Extruder Belt Take-Off: Two-station wind up unit: must be capable of winding, Min: 0.2m to 10
- Must include purging material, dehumidifier and vacuum sealer attachment

➤ *Supply, Fabrication, Installation and Delivery of One (1) unit 32 Footer Customized Truck (Aseptic Module) - Mobile Modular Food Processing Facility (MMFPF)*

- With vehicle comprehensive insurance for one (1) year
- Includes Compact Aseptic Type Air Compressor
- See attached Load Schedule
- See attached Terms of Reference

**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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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)

Development of a Mobile Modular Food Processing Facility (MMFPF)

TERMS OF REFERENCE (TOR)
for the
Supply, Fabrication, Installation and Delivery of 32-footer Customized Truck – Aseptic Module

ABC: Twelve Million Pesos (Php 12,000,000.00)

Timeline: 90 calendar days

Payment Terms: PROGRESS BILLING

The winning bidder (CONTRACTOR) shall:

1. Procurement of a brand new motor vehicle (i.e., 32-footer wing van)
 - 1.1. Comply with the technical specification requirements provided/ approved by the ITDI project design team, refer to the Bill of Materials (BOM)
 - 1.2. Facilitate vehicle registration with the DoTr-Land Transportation Office (owner: Department of Science and Technology)
 - 1.3. Procure a comprehensive vehicle insurance coverage for 1 year under the Government Service Insurance System (GSIS)
 - 1.4. Submit to ITDI project team complete proof of purchase of vehicle and coordinate/notify ITDI of delivery of the procured motor vehicle to CONTRACTOR site
2. MMFPF Customization
 - 2.1. Ensure that all materials, supplies and components are in accordance to ITDI project team requirements and relevant standards (GMP, safety, etc.)
 - 2.2. Ensure all works (architectural/ civil, electrical, plumbing, etc.) to be implemented are in accordance to relevant guidelines/ standards (building code, GMP, etc)
 - 2.3. Implement outer body design (i.e., sticker printing/installation, paint, etc.) in accordance to ITDI-approved/endorsed design
3. Equipment installation/ assembly on the MMFPF
 - 3.1. Facilitate and shoulder cost of transfer of the food processing and other auxiliary equipment from initial ITDI storage to the CONTRACTOR site
 - 3.2. Ensure all materials and fabrication work are in accordance to ITDI project team requirements/ approved design and relevant standards
 - 3.3. Procure and Install an LTFRB-accredited/ approved GPS/ anti-theft tracking system with all applicable fees (if any, such as subscription fee) prepaid for 2 years
 - 3.4. Provide technical support (manpower and services) and utilities during the conduct functional and performance test in the CONTRACTOR'S SITE
4. Deployment to the identified regional site
 - 4.1. Facilitate and shoulder cost of hiring a professional driver, fuels and other applicable fees/relevant costs (eg., toll fees, port fees, RORO/ any shipping mode, etc), including

applicable insurance coverage for the cargo (truck + contents) to ensure the safe transfer of the MMFPF to the designated regional sites

- 4.2. Provide technical support (manpower, supplies and services) during the conduct of functional and performance test in the region

5. Warranty on Workmanship:
 - 5.1. Provide the end-user in the region necessary corrective services (parts and services) for ONE (1) YEAR after official turn-over of MMFPF to the regional end-user, in case of issues on workmanship
 - 5.2. Upgrade the comprehensive insurance coverage of the MMFPF to include the total value of the vehicle, customization works and installed equipment and fixtures

6. Other Terms:
 - 6.1. CONTRACTOR may recommend changes on the MMFPF design/ specifications to the ITDI project team through OFFICIAL COMMUNICATION addressed to the project team Design Lead (Engr. Reynaldo Esguerra) stating specific change, reason for change, and cost implication (if any).
 - 6.2. Only changes with prior approval from the ITDI Project team shall be implemented.
 - 6.3. CONTRACTOR shall allow ITDI Project team to conduct regular monitoring visits at their SITE
 - 6.4. All preventive and corrective maintenance works on the MMFPF during the course of the contract shall be shouldered by the CONTRACTOR.
 - 6.5. CONTRACTOR shall be responsible for the safety/ security of all DOST-ITDI project properties located in their SITE.
 - 6.6. CONTRACTOR shall submit to the ITDI Project team complete documentation such as, but not limited to, as-built plans, Bill of Materials (BOM), technical specifications, vehicle registration, manuals, warranty certificates, and insurance policy contracts of the MMFPF module.

7. Billing/ Payment Terms:
 - 7.1. Payment shall be processed upon CONTRACTOR's submission of complete supporting documents based on the identified milestones.

<i>Progress Billing</i>	<i>Milestones</i>
30%	After delivery of the motor vehicle at the contractor site
30%	After completion of customization of the MMFPF layout
30%	After delivery of the completed MMFPF to the designated site in the region
10%	3 months after TURN-OVER of MMFPF to the Region
100%	

ENGR. REYNALDO L. ESGUERRA
Project Design Lead

THERESA MARIE N. CHAN-SEE
Project Leader

EQUIPMENT NAME: ASEPTIC MODULE

PANEL NAME: PP

SYSTEM: 230Vac, 3 Ø, 3W + G, 60 HZ

ENCLOSURE: NEMA-1

Ckt. No	Load Description	Voltage (V)	Total VA	Current (A)				CIRCUIT BREAKER		Conductor (mm ²) THWN		Conduit Size
				AB	BC	CA	ABC	AT	POLE	Line	Ground	(mm Ø)
1	EQUIPMENT 1 WITH STEAM GENERATOR	230	116,250				364.78	400	3	3 - 250	1 - 30	110
2	SPACE	230										
3	EQUIPMENT 2 WITH UHT	230	7,000				21.97	40	3	2 - 5.5	1 - 5.5	25
4	EQUIPMENT 3 WITH CHILLER	230	4,780				15.00	40	3	2 - 3.5	1 - 3.5	20
5	4 - CONVENIENCE OUTLET	230	720	3.13				20	2	2 - 3.5	1 - 3.5	20
6	15 - LIGHTING	230	1,500	6.52				20	2	2 - 3.5	1 - 3.5	20
7	ACU WINDOW TYPE, 1HP	230	1,840			8.00		30	2	2 - 3.5	1 - 3.5	20
8	SPARE	230						20	2			
9	SPARE	230						20	2			
10	SPARE	230						20	2			
Connected Load (VA)			132,090.00	9.65	0.00	8.00	401.74					

Main CB:

450AT, 3-P, 60Hz, 230V, MCCB

Feeder:

3 - 250mm² THWN Wire + 1 - 50mm² THWN Wire in 110mm Ø Conduit