



**ASTI-FM 03-11**  
**REV 2/30 APR 2024**

**DOST-ASTI Bids and Awards Committee**  
**Invitation to Bid (Public Bidding)**

<b>IB No:</b>	24-10-5048	<b>Date:</b>	October-29-2024
<b>PR No:</b>	GAA-24-10-20026	<b>Date:</b>	October-01-2024
<b>Source of Funds:</b>			
<b>Total ABC:</b>	Php 3,250,000.00		
<b>Time, Date &amp; Venue of Pre-bid Conference:</b>	November 07, 2024, 9:00 AM at Videoconferencing (MS Teams)		
<b>Time and Date of Submission of Bids:</b>	November 19, 2024, 09:00 AM		
<b>Time, Date &amp; Venue of Opening Bids:</b>	November 19, 2024, 9:30 AM at ASTI and Videoconferencing (MS Teams)		
<b>Date of availability of Complete Set of Documents:</b>	October 31, 2024		
<b>Deadline of Potential Bidder's Clarifications:</b>	November 09, 2024		
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b>	November 12, 2024		
<b>Delivery Schedule:</b>			

The *Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI)*, through its Bids and Awards Committee (BAC), hereby invites all interested Bidders to submit their bids for the *item/s* listed below. *Section II. Instructions to Bidders (ITB) of the DOST-ASTI Bidding Documents provides information necessary for bidders to prepare responsive bids, in accordance with the requirements of DOST-ASTI. The ITB likewise provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and award of contract.*

Bidding will be conducted through open competitive bidding procedures *using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.*

A complete set of *DOST-ASTI Bidding Documents* may be acquired by interested Bidders on the date and address given on this document, and upon payment of the applicable fee, pursuant to the latest Guidelines issued by the Government Procurement Policy Board. Further, the *DOST-ASTI Bidding Documents* may be accessed through the *DOST-ASTI website (https://asti.dost.gov.ph/)*.

For further inquiries, you may contact the **DOST-ASTI BAC Secretariat** at telephone number **+63 2 8249-8500 / +63 2 8426-9755 local 1206/1212** or send your message to **bac-sec@asti.dost.gov.ph**.

Respectfully,

**BAYANI BENJAMIN R. LARA**  
*BAC Chairperson*

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<b>Calibration of EMC Chamber</b> 1. GENERAL OVERVIEW: 1.1. DOST-ASTI is seeking qualified and competent bidders or service providers to calibrate the Semi-Anechoic Chamber at the Electronics Product Development Center (EPDC). The purpose is to ensure that the chamber meets international standards and maintains the accuracy and reliability of its testing capabilities. 1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and services charges.	1	lot	3250000.00	3,250,000.00

## 2. TECHNICAL SPECIFICATIONS:

2.1. On-site calibration of Semi-Anechoic Chamber of EPDC with the following details:

2.1.1. Property Number: 00-21-605-140-00035

2.1.2. Test Site: 10 m semi-anechoic chamber (SAC)

2.1.3. Test Location: EPDC Bldg., MIRDC Compound, General Santos Ave., Bicutan, Taguig City, Philippines

2.1.4. Chamber dimensions:

2.1.4.1. Length: 19.0 m

2.1.4.2. Width: 11.80 m

2.1.4.3. Height: 8.5 m

2.1.5. Turntable Radius: 1.5 m

2.2. Methods of Measurement

2.2.1. Reference Site Method (Normalized Site Attenuation)

2.2.1.1. Standard: CISPR

16-1-4:2019+AMD1:2020+ADM2:2023 CSV (clause 6.6, 6.8) and ANSI C63.4a-2017 (NSA, Annex D)

2.2.1.2. Frequency Range: 30Mhz to 1GHz

2.2.1.3. Antenna Polarization:

2.2.1.3.1. Horizontal: 1 m and 2 m height

2.2.1.3.2. Vertical: 1 m and 1.5 m height

2.2.1.4. Test Method: Volumetric test method

2.2.1.5. Height Scan: Receive antenna scanned from 1 m to 4 m above the ground plane

2.2.1.6. Equipment: Any necessary equipment needed for the calibration process must be provided by the service provider

2.2.1.7. Customer Provision: Automatic antenna mast with GPIB interface

2.2.2. Site VSWR

2.2.2.1. Standard: CISPR

16-1-4:2019+AMD1:2020+AMD2:2023 CSV (clause 7)

2.2.2.2. Frequency Range: 1 GHz to 18 GHz, with 50 MHz steps

2.2.2.3. Antenna Polarization: Broadband omnidirectional antennas in horizontal and vertical polarization

2.2.2.4. Test Method: Volumetric test method

2.2.2.5. Ground Plane Requirement: Must be covered with absorbing material

2.2.2.6. Antenna Usage:

2.2.2.6.1. The same antenna used for emission testing should be used for validation

2.2.2.6.2. The customer should provide the antenna in agreement with the chamber manufacturer

2.2.2.7. Equipment: Any necessary equipment needed for the calibration process must be provided by the service provider

2.3. Service Provider Responsibilities

2.3.1. Pricing and Deliverables:

2.3.1.1. The service provider must ensure that the following are included in the measurement price:

2.3.1.1.1. Test Engineer: Provide the services of at least one qualified test engineer to perform the calibration.

2.3.1.1.2. Measurement Report: Deliver a detailed measurement report covering all relevant results.

2.3.1.1.3. Subsistence and Accommodation: Ensure the test engineer's accommodation and subsistence are covered during the service period.

2.3.1.1.4. Equipment Rental: Supply and cover the cost of any necessary calibrated equipment required for the calibration process.

2.3.2. Travel and Transportation:

2.3.2.1. The service provider will handle all travel and transportation arrangements and cover the associated costs required to transport personnel and equipment to the test site.

2.3.3. Handling Out-of-Specification Results:

2.3.3.1. If the chamber performance falls outside specifications:

2.3.3.1.1. Automatic Retesting: The service provider will automatically perform additional tests to optimize the chamber's performance.

2.3.3.1.2. Customer Option: The customer may opt out of these additional tests in advance or stop the improvement process at any time.

2.3.4. Test Results Delivery:

2.3.4.1. The service provider is responsible for:

2.3.4.1.1. Emailing Results: Test results must be sent via email approximately two weeks after validation is completed.

2.3.4.1.2. Electronic Format: Results must be delivered in a signed PDF format, with detailed data provided in MS-Excel format if applicable.

2.3.5. Laboratory Qualifications:

2.3.5.1. The service provider must ensure that the calibration laboratory meets the following qualifications:

2.3.5.1.1. Accreditation: The laboratory must be accredited in accordance with ISO/IEC 17025, ensuring competence in calibration processes. Accreditation must be issued by a recognized body that is a signatory of the ILAC Mutual Recognition Arrangement (MRA).

2.3.5.1.2. Calibration Certificate: Calibration certificate provided by the laboratory must comply with ISO/IEC 17025 standards and include essential information, such as uncertainty measurements and traceability to international standards.

2.3.6. Non-Disclosure Agreement (NDA):

2.3.6.1. The service provider must agree to NDA to protect the confidentiality of any sensitive information shared during the calibration process. This includes, but is not limited to:

2.3.6.1.1. Proprietary data related to the customer's semi-anechoic chamber, equipment, and testing methods.

2.3.6.1.2. Any reports, results, or documentation generated as part of the calibration.

2.3.6.1.3. Any other technical or business-related information is deemed confidential by the customer.

### 3. PAYMENT AND DELIVERY TERMS:

3.1. Calibration must be completed within sixty (60) calendar days upon issuance of Notice to Proceed.

3.2. Philippine Government terms. Full payment will only be processed once completely delivered,

inspected, and accepted by the end-user.				
<b>TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):</b>				<b>Php 3,250,000.00</b>
<b>RESERVATION CLAUSE</b>				
<p>The Advanced Science and Technology Institute 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.</p>				