



ASTI-FM 03-11  
REV 1/08 JUN 2022

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

<b>IB No:</b>	24-03-4713	<b>Date:</b>	March-26-2024
<b>PR No:</b>	GAA-24-02-18720	<b>Date:</b>	March-05-2024
<b>Source of Funds:</b>			
<b>Total ABC:</b>		Php 857,530.00	
<b>Time, Date &amp; Venue of Pre-bid Conference:</b>		April 02, 2024, 9:00 AM at Videoconferencing (MS Teams)	
<b>Time and Date of Submission of Bids:</b>		April 15, 2024, 09:00 AM	
<b>Time, Date &amp; Venue of Opening Bids:</b>		April 15, 2024, 9:30 AM at DOST-ASTI and Videoconferencing (MS Teams)	
<b>Date of availability of Complete Set of Documents:</b>		March 26, 2024	
<b>Deadline of Potential Bidder's Clarifications:</b>		April 05, 2024	
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b>		April 08, 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	<p><b>Airconditioning Units</b></p> <p>1. BACKGROUND and OBJECTIVES</p> <p>1.1. Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply, delivery, installation, testing, and commissioning of various Air-Conditioning Units (ACUs).</p> <p>1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. These brand-new ACUs will be installed at the premises of ASTI and Electronics Product</p>	1	lot	857530.00	857,530.00

Development Center (EPDC) replacing existing ACUs, which have either reached the end of their useful life or in a state of disrepair; thus, the bid should include any construction, electrical, and restoration works necessary to complete their installation such as dismantling/removal of all decommissioned units, removal/replacement of old copper piping, and removal/replacement of circuit breakers for the power supply.

## 2. SCOPE OF WORK

2.1. Supply, delivery and installation, testing, and commissioning of air-conditioning units.

2.1.1. One (1) unit of 1.5 HP Wall Mounted Split Type Inverter ACU on EPDC (GTI Room)

2.1.2. One (1) unit of 2TR or 3HP Ceiling Suspended Inverter ACU on ASTI. (SSED- Stock Room)

2.1.3. Three (3) unit of 3TR or 4HP Floor Mounted Inverter ACU on ASTI (2- CSD Staff Room, 1-RDD Staff Room)

2.2. Dismantling and removal of all identified existing ACUs (indoor and outdoor units), roughing-ins and other materials to be replaced.

2.3. Chipping and boring of holes through walls, ceiling, and floor (if applicable) for the passage of the refrigerant and condensate piping system and electrical wirings.

2.4. Restoration works on affected areas caused by installation works to its original condition, if any.

2.5. Leak test, test run and observation of each set of ACUs.

2.6. Supply, delivery, installation, and complete layout of copper (refrigerant) piping and condensate drain system, with corresponding fittings and accessories, for each set of ACUs.

2.7. Supply, delivery, installation, and complete layout of required electrical wiring system (feeder line) and control devices (circuit breaker with NEMA 3R box) per set of ACUs connected to the main power supply line.

2.8. Supply, delivery, and installation of fabricated steel support frames made of angular bar, pre-painted with metal primer and enamel paint for the condensing (outdoor) unit, to be installed on the concrete wall of the building (outside) with a clearance of at least 0.30 meters. Indoor units (evaporator) shall be properly mounted on the wall or on steel frames (for floor standing units).

2.9. Supply of other equipment, including all necessary accessories and appurtenances not specifically mentioned herein but are considered standard issue and necessary for the safe, reliable, and proper operation of the air conditioning system.

## 3. TECHNICAL SPECIFICATIONS

### 3.1. ACUs

3.1.1. One (1) Unit of 1.5 HP Wall Mounted Split Type Inverter Airconditioning Unit

3.1.1.1. ACU must provide a cooling capacity of at least 12,000 BTU/hr or better.

3.1.1.2. ACU must be rated with an Energy Efficiency Ratio (EER) of 11.0 or higher, or a Cooling Seasonal Performance Factor (CSPF) of 3.4 or higher.

3.1.2. One (1) Unit of 2.0 TR or 3.0 HP Ceiling Suspended Inverter Airconditioning Unit

3.1.2.1. ACU must provide a cooling capacity of at least 24,000 BTU/hr or better.

3.1.2.2. ACU must be rated with an EER of 13.2 or higher, or a CSPF of 5.5 or higher.

3.1.3. Three (3) Unit of 3.0 TR or 4.0 HP Floor Mounted Inverter Airconditioning Unit

3.1.3.1. ACU must provide a cooling capacity of at least 34,000 BTU/hr or better.

3.1.3.2. ACU must be rated with an EER of 10.2 or higher, or a CSPF of 4.2 or higher.

3.2 ACU must operate with 230-volts, 60Hz, 1-phase or 3-phase power supply

3.3. ACU must use a R410A or R32 cooling agent (refrigerant)

3.4. ACU must use refrigerant (copper) piping and communication wires not exceeding 6-meters (~20-feet).

3.5. ACU must use condensate drain (PVC) pipes not exceeding 9-meters (~30-feet).

3.6. ACU must be equipped with an inverter compressor motor.

3.7. ACU's outdoor unit must possess a resistance class of at least IP24.

3.8. ACU must possess the following functional features:

3.8.1. Remote control operations

3.8.2. Auto-swing function for even airflow distribution

3.8.3. Indicator LED displays to show current temperature setting

3.8.4. Self-diagnosis mode for providing error codes to assist in troubleshooting

3.8.5. Auto-restart function for automatically restoring previous function setting after a power interruption

#### 4. TERMS AND CONDITIONS

4.1. The bidder must perform Site Visit before submission of bids.

4.2. ACUs, copper pipes, drainpipes, and fittings must be brand new and unused.

4.3. The manufacturer of the ACUs must be ISO certified or any equivalent certification that guarantees that they have a quality management system in place. The bidder must submit documentary proof of ISO certification of the offered brands issued by accredited registrars or any equivalent certification body.

4.4. The bidder must have at least one (1) authorized service centers in the National Capital Region of the brand/model of the product being offered for, but not limited to, regular preventive maintenance and general cleaning services.

- 4.5. The bidder must perform quarterly general cleaning service for one (1) year covering all ACUs:
- 4.5.1. Perform general cleaning of condenser and evaporator.
  - 4.5.2. Cleaning of blower wheel and fan blade.
  - 4.5.3. Cleaning of cabinet and face cover.
  - 4.5.4. Conduct thorough inspection of electrical wiring/connections and mechanical controls.
  - 4.5.5. Check cabinet for corrosion and repair
  - 4.5.6. Conduct flushing of drainpipe.
  - 4.5.7. Freon charging (if necessary)
  - 4.5.8. Submit status report of all the activities performed.

4.6. The bidder must submit an “as-built” plan indicating the exact locations of the circuit breakers, indoor and outdoor units of each ACUs on each floor, and corresponding routes of the condensate drain and refrigerant piping system upon completion of the installation and commissioning activities.

4.7. The bidder must submit a brochure indicating the specification of each ACU to be installed. It must be submitted together with the quotation.

## 5. WARRANTY and AFTER-SALES SUPPORT

5.1. All ACUs must carry a five (5) years warranty for compressor and one (1) year for other parts and services that cover defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.

5.2. Onsite technical support may be requested for special cases including, but not limited to, the following issues within its warranty period:

- 5.2.1. Not activating
- 5.2.2. Not blowing cold air
- 5.2.3. ACU freezing up
- 5.2.4. Refrigerant leak
- 5.2.5. Leaking ducts and clogged drains
- 5.2.6. Frozen evaporator coils
- 5.2.7. Electric control failure
- 5.2.8. Drainage problems
- 5.2.9. Thermostat sensor problems

## 6. DELIVERY, INSTALLATION, AND PAYMENT TERMS

6.1. Delivery of the Goods and/or performance of Services shall be made by the Supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

6.2. Delivery Site:

6.2.1. 1.5 HP ACU shall be delivered on EPDC Bldg., MIRDC compound, General Santos Ave, Taguig, 1631 Metro Manila; and

6.2.2. Other ACU shall be delivered on ASTI Entrance Rd, Diliman, Quezon City, 1800 Metro Manila.

6.3. Payment shall be made only upon certification/acceptance by the End-user that the Goods/Services are delivered in accordance with the

terms of this Contract and are duly inspected and accepted. No payment shall be made for services not yet rendered or for supplies and materials not yet delivered under this Contract.

**TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):**

**Php 857,530.00**

**RESERVATION CLAUSE**

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.