



Republic of the Philippines  
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**



**PURCHASE ORDER**

ASTI-FM 03-17  
 REV 3 / 10 October 2023

Supplier:	ACE ELECTRONIC TECHNOLOGY, INC.	PO No.:	24-04-064
Address:	12 Timog Avenue, Barangay Laging Handa, Quezon City	PO Date:	April 12, 2024
TIN:	005-423-495-000	Mode of Procurement:	NP-53.9 Small Value Procurement

Gentleman:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery:	ASTI Bldg., C.P. Garcia Ave., U.P. Technology Park Complex, U.P. Campus, Diliman, Quezon City 1101	Delivery Term:	Thirty (30) calendar days upon issuance of NTP
Date of Delivery:		Payment Term:	Government Terms
		Warranty Term:	

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Unit	<p><b>Mixed Signal Oscilloscope with Logic Analyzer</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) Unit of Mixed Signal Oscilloscope with Logic Analyzer.</p> <p>1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and charges.</p> <p>2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:</p> <p>2.1. One (1) Unit of Mixed Signal Oscilloscope with Logic Analyzer</p> <p>2.1.1. Four channel, 70 MHz digital / mixed signal oscilloscope</p> <p>2.1.2. Up to 8 GSa/s real-time sample rate</p> <p>2.1.3. 100 Mpts memory depth, optional memory depth up to 200 Mpts</p> <p>2.1.4. 16 digital channels included - requires optional PLA2216 logic probe to operate</p> <p>2.1.5. High waveform capture rate (over 500,000 wfms/s)</p> <p>2.1.6. Multiple Interfaces Available: USB HOST&amp;DEVICE, LAN(LXI), HDMI, TRIG OUT, and USB-GPIB</p> <p>2.1.7. Remote wireless control software - migrate instrument control and waveform analysis to PC</p> <p>2.1.8. Auto measurement of 41 waveform parameters; full-memory hardware measurement function</p> <p>2.1.9. Up to 450,000 frames of hardware real-time and ceaseless waveforms recording and playback functions</p> <p>2.1.10. Integrates seven independent instruments into one - digital oscilloscope, logic analyzer, spectrum analyzer, arbitrary waveform generator, digital voltmeter, a frequency counter and totalizer, and protocol analyzer</p>	1	P72,500.00	P72,500.00

Postal Address : ASTI Bldg., U.P. Technology Park Complex, CP Garcia Ave., Diliman, Quezon City 1101  
 Website : www.asti.dost.gov.ph  
 Email : info@asti.dost.gov.ph

Tel No. : +632 8249-8500  
 +632 8426-9755

		<p>2.1.11. 9-inch capacitive multi-touch screen, 256-level intensity grading display, with color persistence</p> <p><b>3. WARRANTY AND AFTER-SALES SUPPORT</b></p> <p>3.1. All units must carry six (6) months warranty for other parts and services that cover defects in materials and workmanship.</p> <p>3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.</p> <p>3.2.1. Defective units may be defined as units not working upon testing or that have failed to work after testing within seven (7) calendar days from purchase.</p> <p>3.3. The end-user must be able to request technical support by phone or email. Moreover, technical support service should be available and can be reached from Mondays to Fridays from 8 AM to 5 PM subject to the availability of the aforementioned.</p> <p>3.3.1. The end-user should receive feedback and responses from the external provider twenty-four (24) hours after the inquiry or concern was made.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. Delivery of Goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.</p> <p>4.2. Payment shall be made only upon certification/acceptance by the end-user that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for Goods not yet delivered under this Contract.</p> <p>4.3. The price of the bid must be inclusive of government tax and fees.</p> <p>(Please see attached quotation.)</p>			
2	Unit	<p><b>Programmable Signal/Function Generator Unit</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) Unit of Programmable Signal/Function Generator Unit.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and charges.</p> <p><b>2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:</b></p> <p>2.1. One (1) Unit of Programmable Signal/Function Generator Unit.</p> <p>2.1.1. Innovative SiFi (Signal Fidelity): generate arb waveform point-by-point, restore signal distortionless, precisely adjustable sample rate and low jitter (200ps)</p> <p>2.1.2. Arbitrary waveform memory: 8Mpts (standard), 16Mpts (optional)</p> <p>2.1.3. Standard 2 full functional channels can be used as two independent generators</p> <p>2.1.4. ±1ppm frequency stability, -125dBc/Hz phase noise</p> <p>2.1.5. Built-in 8 orders harmonics generator</p> <p>2.1.6. Built-in 7 digits/s full function frequency counter with 200MHz bandwidth</p> <p>2.1.7. Up to 160 built-in waveforms</p>	1	₱34,488.00	₱34,488.00 - containing MFDI

- 2.1.8. 200MSa/s sample rate, 14bits vertical resolution
- 2.1.9. Convenient arbitrary waveform editing interface
- 2.1.10. Versatile modulation types: AM, FM, PM, ASK, FSK, PSK and PWM
- 2.1.11. Standard waveform summing function
- 2.1.12. Standard channel track function
- 2.1.13. Standard interfaces: USB Host& Device, LAN(LXI Core Device 2011)
- 2.1.15. 3.5 inches TFT color display

**3. WARRANTY AND AFTER-SALES SUPPORT**

- 3.1. All units must carry six (6) months warranty for other parts and services that cover defects in materials and workmanship.
- 3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.
  - 3.2.1. Defective units may be defined as units not working upon testing or that have failed to work after testing within seven (7) calendar days from purchase.
- 3.3. The end-user must be able to request technical support by phone or email. Moreover, technical support service should be available and can be reached from Mondays to Fridays from 8 AM to 5 PM subject to the availability of the aforementioned.
  - 3.3.1. The end-user should receive feedback and responses from the external provider twenty-four (24) hours after the inquiry or concern was made.

**4. PAYMENT AND DELIVERY TERMS**

- 4.1. Delivery of Goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.
- 4.2. Payment shall be made only upon certification/acceptance by the end-user to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for Goods not yet delivered under this Contract.
- 4.3. The price of the bid must be inclusive of government tax and fees.

(Please see attached quotation.)


	<b>TOTAL:</b>	<b>P106,988.00</b>
<b>(Total Amount in Words)</b>	<b>One Hundred Six Thousand Nine Hundred Eighty-Eight Pesos Only</b>	

The contract price is inclusive of taxes and other fees or charges. In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, DOST-ASTI may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances and in accordance with the provisions of the latest implementing rules and regulations of RA 9184.

Conforme:


Very Truly Yours,

\_\_\_\_\_  
(Signature over Printed Name of Supplier)

  
**FRANZ A. DE LEON, Ph.D.**  
 Director, DOST-ASTI

\_\_\_\_\_  
(Date)

Digitally signed by Franz A. De Leon

<b>Fund Cluster:</b>	01	ORS / BURS No.:	01021012024-04-000028 01011012024-04-000001
<b>Funds Available:</b>	Php 39,988.00 Php 72,500.00	ORS / BURS Date:	APRIL 17, 2024
		Amount:	₱ 106,988.00
 <b>GAY CONCEPCION S. BUGAGAO</b> Accountant III			



12 April 2024

**NOTICE TO PROCEED**  
**ALTERNATIVE MODE OF PROCUREMENT**

**Ms. MARIBELLE S. UY**  
 General Manager  
**ACE ELECTRONIC TECHNOLOGY, INC.**  
 12 Timog Avenue, Barangay Laging Handa  
 Quezon City

Dear Ms. Uy,

This Notice to Proceed is hereby issued for the following contract details:

Contract Name :	<b>Supply and Delivery of One (1) Unit Mixed Signal Oscilloscope with Logic Analyzer and One (1) Unit Programmable Signal/Function Generator Unit</b>
Purchase Request No. :	<b>GAA-24-02-18743</b>
Purchase / Work Order No. :	<b>24-04-064</b>
Total Contract Price :	<b>₱106,988.00</b>
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words :	<b>One Hundred Six Thousand Nine Hundred Eighty-Eight Pesos</b>

Upon issuance of this Notice, your company, **ACE ELECTRONIC TECHNOLOGY, INC.** is hereby directed to commence the delivery of items and/or performance of services stipulated in the said Purchase Order which shall become due and demandable in accordance with the delivery schedule stipulated therein.

Please acknowledge receipt and acceptance of this Notice by signing in the space provided below. There are two (2) copies of this document; you may keep one copy and return the other to the Bids and Awards Committee (BAC) Secretariat of the Advanced Science and Technology Institute. Should you have any questions or clarifications, you may reach us at [bac-sec@asti.dost.gov.ph](mailto:bac-sec@asti.dost.gov.ph).

Respectfully,

  
**FRANZ A. DE LEON, Ph.D.**  
 Director

Digitally signed  
 by Franz A. De Leon  
 DN: cn=Franz A. De Leon, o=ASTI, ou=ASTI, email=franzen@asti.dost.gov.ph

DATE OF ISSUANCE:

**APR 19 2024**

RECEIVED BY:

\_\_\_\_\_  
 Signature over Printed Name

\_\_\_\_\_  
 Date and Time