



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.:	25-05-087
Address:	12 Timog Ave., Brgy. Laging Handa, Quezon City	PO Date:	May 23, 2025
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:	Sixty (60) 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	Piece	<p>Charge Controller (10A)</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Five (5) Pieces of Charge Controllers (10A) which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Rated Charge and Discharge Current: 10A</p> <p>2.2. Battery Voltage Range: 8 ~ 32V</p> <p>2.3. MPP Voltage Range: (Battery voltage +2V) ~ 36V</p> <p>2.4. Working Environment Temperature: - 25°C ~ +45°C (100% input and output)</p> <p>2.5. Storage Temperature Range: -20°C ~ +70°C</p> <p>2.6. Enclosure: IP30</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request</p>	5	P3,998.00	P19,990.00

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>technical support by phone, email, or through a website.</p> <p>3.3. The Charge Controllers (10A) must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60) days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
2	Unit	<p>Low Noise Amplifier</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Three (3) Units of Low Noise Amplifier which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Power Connector Type: USB</p> <p>2.2. Connectivity Technology: USB, Radio Frequency</p> <p>2.3. Antenna: Radio</p> <p>2.4. Wideband (20MHz – 4GHz)</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The Low Noise Amplifiers must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p>	3	P4,888.00	P14,664.00

		<p>4.1. The goods must be delivered sixty (60) days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
3	Piece	<p>LoRa Transreceiver</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Three (3) Pieces of LoRa Transreceiver which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. MCU: Must be compatible with NRF chips</p> <p>2.2. RAM: 2MB</p> <p>2.3. Frequency: 868MHz</p> <p>2.4. Bus Interfaces: UART, SPI, TWI, PDM, 12S, QSPI</p> <p>2.5. Wireless Connectivity: Bluetooth 5, Thread, Bluetooth Mesh, ANT, 802.15.4, Zigbee With/Without BME280 temperature pressure sensor</p> <p>2.6. SX1262 LoRa Transceiver: Long Range, Low Power Global frequency coverage 433, 868, 915Mhz</p> <p>2.7. Enclosure material: ABS</p> <p>2.8. Battery Capacity: 850mAh</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The LoRa Transreceivers must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60)</p>	3	P7,298.00	P21,894.00

		<p>days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
4	Piece	<p>Software Defined Radio</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Two (2) Pieces of Software Defined Radio which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Frequency range: 1kHz to 2GHz</p> <p>2.2. Can monitor up to 10MHz</p> <p>2.3. Multiplatform driver and API support including Windows, Linux, Mac, Android and Raspberry Pi 4/5</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The Software Defined Radio must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60) days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>	2	P23,988.00	P47,976.00


5	Piece	<p>Software Defined Radio</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Two (2) Pieces of Software Defined Radio which will be part of prototype devices.</p> <p>1.2. The ABC is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. CPU Speed: 1.5 GHz</p> <p>2.2. Connectivity Technology: USB, GPIO</p> <p>2.3. Operating System: Linux-based OS</p> <p>2.4. Wireless Compatibility: Radio Frequency</p> <p>2.5. Compatible Devices: Raspberry Pi 4/4B</p> <p>3. WARRANTY AND AFTERSALES SUPPORT</p> <p>3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The Software Defined Radio must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship. Warranty service shall commence from the date of end-user acceptance.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60) days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the end-user. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>	2	P17,398.00	P34,796.00
				TOTAL:	P139,320.00
(Total Amount in Words)			One Hundred Thirty-Nine Thousand Three Hundred Twenty Peos Only		

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

Digitally signed by
Jeffrey A. Aborot

(Date)

Fund Cluster:	01	ORS / BURS No.:	021011012025-05-000389
		ORS / BURS Date:	MAY 20, 2025
Funds Available:	Php 139,320.00	Amount:	₱ 139,320.00
<div> GAY CONCEPCION S. BUGAGAO Accountant III</div>			



23 May 2025

NOTICE TO PROCEED
ALTERNATIVE MODE OF PROCUREMENT

Ms. MARIBELLE UY
General Manager
ACE ELECTRONIC TECHNOLOGY, INC.
12 Timog Ave., Brgy. Laging Handa
Quezon City

Dear Ms. Uy,

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

Contract Name	: Supply and Delivery of Five (5) Pieces Charge Controller (10A) and Other Items
Purchase Request No.	: GAA-25-03-20769
Purchase / Work Order No.	: 25-05-087
Total Contract Price	: Php 139,320.00
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: One Hundred Thirty Nine Thousand Three Hundred Twenty Pesos

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.

Respectfully,


FRANZ A. DE LEON, Ph.D.
Director

Digitally
signed by
Jeffrey A.
Aborot

DATE OF ISSUANCE:

MAY 28 2025

RECEIVED BY:

Signature over Printed Name

Date and Time

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ASTI - FM 03-19
REV 2 / 05 October 2023