



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.:	25-05-092
Address:	12 Timog Ave., Brgy. Laging Handa, Quezon City	PO Date:	May 27, 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:	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	Piece	<p><b>Hand Tool - Cordless Screwdriver</b></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) PCS OF CORDLESS SCREWDRIVER, to be used during the initial assembly of the STRIIDER.</p> <p>1.2. The Approved Budget for the Contract (ABC) includes all applicable government taxes and services charges.</p> <p>1.3. Classification: Laboratory Tool</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Battery Voltage: 3.6 V</p> <p>2.2. Maximum Torque (hard/soft): 5/2 Nm</p> <p>2.3. No-load Speed: 306 – 396 rpm</p> <p>2.4. Bit Holder: ¼" Hex Uni</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of</p>	2	P4,888.00	P9,776.00

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>Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>				
2	Set	<p><b>RF Transceiver - Wireless Transmission System</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) SET OF WIRELESS TRANSMISSION SYSTEM to be used for the telemetry of the STRIIDER.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>1.3. Will be part of the prototype under STRIIDER project.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Maximum Transmission Range: 30 km</p> <p>2.2. No. of Channel: 16 communication channels</p> <p>2.3. Ground Unit:</p> <p>2.3.1. Monitor: 0.96-inch OLED Display</p> <p>2.3.2. Fast Charging Protocol: PD 30W</p> <p>2.3.3. Antenna Gain:</p> <p>2.3.3.1. Omni Antenna: 5 dBi</p> <p>2.3.3.2. Long Range Antenna: 11 dBi</p> <p>2.3.4. Protection: IP53</p> <p>2.4. Air Unit:</p> <p>2.4.1. Signal Output:</p> <p>2.4.1.1. 16 channels of S. Bus</p> <p>2.4.1.2. 5 channels of PWM</p> <p>2.4.2. Antenna Gain:</p> <p>2.4.2.1. Omni Antenna: 5 dBi</p> <p>2.4.3. Working Voltage: 3S ~ 6S / 12.6 ~ 25.2 V</p> <p>2.4.4. Power Consumption:</p> <p>2.4.4.1. Average: 2.8 W</p> <p>2.4.4.2. Summit: 12 W</p> <p>2.5. Recording FPV Camera</p> <p>2.5.1. Video Output Port: Ethernet</p> <p>2.5.2. Image Sensor: 1/2.9 inch, 2 MP</p> <p>2.5.3. FOV:</p> <p>2.5.3.1. Diagonal: 90°</p> <p>2.5.3.2. Horizontal: 80°</p> <p>2.5.4. Working Voltage: 12 V</p> <p>2.5.5. Power Consumption: 2.5 W</p> <p>2.5.6. Video Recording Resolution:</p> <p>2.5.6.1. 1080p (1920*1080) @30 fps</p> <p>2.5.6.2. 720p (1280*720) @30 fps</p> <p>2.5.7. Recording Bitrate: 12 Mbps</p> <p>2.5.8. Video Recording Format: MP4</p>	1	P27,888.00	P27,888.00	RED



		<p>2.5.9. File Storage Format: FAT32</p> <p>3. PACKAGE INCLUSION</p> <p>3.1. Ground Unit</p> <p>3.2. Air Unit</p> <p>3.3. Recording FPV Camera</p> <p>3.4. Long Range Antenna</p> <p>4. WARRANTY</p> <p>4.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components.</p> <p>4.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>5. DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>5.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>5.3. No payment shall be made for item/s not delivered under this contract.</p> <p>(Please see attached quotation.)</p>				
3	Kit	<p><b>Development Kit - QZSS Correction Receiver Evaluation Board</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) KIT OF QZSS CORRECTION RECEIVER EVALUATION BOARD, to be used in augmenting the accuracy of GNSS receivers and must be compatible with the existing ESG's Neo D9C Receiver.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>1.3. Will be part of the prototype under STRIIDER.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Interface: USB, UART</p> <p>2.2. Supports for L6 QZSS Signal band</p> <p>3. PACKAGE INCLUSION</p> <p>3.1. Evaluation Board</p> <p>3.2. Multiband Antenna (L1/L2/E5b/L6)</p> <p>3.3. Antenna Ground Plane</p> <p>3.4. USB interconnect cable</p>	1	P13,288.00	P13,288.00	RED



		<p>3.5. Jumper Connectors</p> <p>4. WARRANTY</p> <p>4.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>4.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>5. DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>5.2. Full payment will only be processed once the item is completely delivered, inspected, and accepted by the End-user.</p> <p>5.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>				
4	Unit	<p><b>Laboratory Equipment - Programmable Power Supply (200W)</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 PROGRAMMABLE POWER SUPPLY (200W) to be used for the development of the STRIIDER.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>1.3. Classification: Laboratory Equipment</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. DC Output:</p> <p>2.1.1. Channel (Range):</p> <p style="padding-left: 40px;">Range 1</p> <p style="padding-left: 40px;">Range 2</p> <p>2.1.2. Voltage/Current:</p> <p style="padding-left: 40px;">Range 1: 0 to 8 V / 0 to 20 A</p> <p style="padding-left: 40px;">Range 2: 0 to 20 V / 0 to 10 A</p> <p>2.1.3. OVP/OCP:</p> <p style="padding-left: 40px;">Range 1: 10 mV to 8.8 V / 10 mA to 22 A</p> <p style="padding-left: 40px;">Range 2: 10 mV to 22 V / 10 mA to 11 A</p> <p>2.2. Load Regulation Rate <math>\pm</math>(Output</p>	1	P47,888.00	P47,888.00	rem of



	<p>Percentage+Offset):</p> <p>2.2.1. Voltage: &lt;0.01% +2 mV</p> <p>2.2.2. Current: &lt;0.01% +250 µA</p> <p>2.3. Linear Regulation Rate ±(Output Percentage+Offset):</p> <p>2.3.1. Voltage: &lt;0.01% +2 mV</p> <p>2.3.2. Current: &lt;0.01% ++250 µA</p> <p>2.4. Ripples and Noise (20 Hz to 20 MHz):</p> <p>2.4.1. Normal Mode:</p> <p>Voltage: &lt;350 µVrms / 3 mVpp</p> <p>Current: &lt;2 mArms</p> <p>2.5. Command Processing Time: &lt;118 ms</p> <p>2.6. OVP/OCD:</p> <p>2.6.1. Accuracy±(Output Percentage+Offset): 0.5%+0.5 V / 0.5%+0.5 A</p> <p>2.7. Power:</p> <p>2.7.1. AC Input (50 – 60 Hz): 100 VAC ±10%, 115 VAC ±10%, 230 VAC ±10% (maximum 250 VAC)</p> <p>2.7.2. Maximum Power: 503 VA</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in the fabrication and components.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any repair or replacement service must be performed within fifteen (15) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for item/s not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
			<b>TOTAL:</b>	<b>₱98,840.00</b>
<b>(Total Amount in Words)</b>			<b>Ninety Eight Thousand Eight Hundred Forty 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,



FRANZ A. DE LEON, Ph.D.

Director, DOST-ASTI

Digitally  
signed by  
Jeffrey A.  
Aberot

(Signature over Printed Name of Supplier)

(Date)

Fund Cluster:	01	ORS / BURS No.:	02101012025-05-000394
		ORS / BURS Date:	MAY 27, 2025
Funds Available:	Php 98,840.00	Amount:	₱ 98,840.00
<div>GAY CONCEPCION S. BUGAGAO</div> <div>Accountant III</div>			



27 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	: <b>Supply and Delivery of Two (2) Pieces Hand Tool - Cordless Screwdriver and Other Items</b>
Purchase Request No.	: <b>GAA-25-03-20821</b>
Purchase / Work Order No.	: <b>25-05-092</b>
Total Contract Price	: <b>Php 98,840.00</b>
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: <b>Ninety Eight Thousand Eight Hundred Forty 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.

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

Postal Address : ASTI Bldg. UP Technology Park Complex  
CP Garcia Ave., Diliman, Quezon City 1101  
Website: : www.asti.dost.gov.ph  
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ASTI - FM 03-19  
REV 2 / 05 October 2023