



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

<b>Supplier:</b>	<b>JASSEN HARRIS INDUSTRIES CORP.</b>	<b>PO No.:</b>	<b>24-07-167</b>
<b>Address:</b>	<b>1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila</b>	<b>PO Date:</b>	<b>July 15, 2024</b>
<b>TIN:</b>	<b>009-248-102-00000</b>	<b>Mode of Procurement:</b>	<b>NP-53.9 Small Value Procurement</b>

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>Laboratory Tool - Precision DC Energy Analyzer/Power Profiler</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 PRECISION DC ENERGY ANALYZER/POWER PROFILER to be used for power and energy profiling purposes of various prototypes and modules of the projects.</p> <p>1.2. The Approved Budget for the Contract includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Power supply:</p> <p>2.1.1. Output specs:</p> <p>2.1.1.1. Voltage: 0 – 25 V</p> <p>2.1.1.2. Voltage setting resolution: 1 mV</p> <p>2.1.1.3. Power (maximum):</p> <p>2.1.1.3.1. Continuous: 30 W</p> <p>2.1.1.3.2. Peak: 50 W</p> <p>2.1.2. Self-consumption: 3.5 W</p> <p>2.2. Current measurement:</p> <p>2.2.1. Accuracy (-5 A to 5 A): ± (0.05% +25 nA)</p> <p>2.2.2. Resolution: 0.4 nA</p> <p>2.2.3. Internal sample rate: 250 ksps</p> <p>2.2.4. Analog bandwidth (3 dB): 50 kHz</p> <p>2.3. Voltage measurement:</p> <p>2.3.1. Accuracy: ± (0.01% +1 mV)</p> <p>2.3.2. Internal sample rate: 250 ksps</p> <p>2.3.3. Analog bandwidth (3 dB): 50 kHz</p> <p>2.3.4. Output voltage readback resolution: 3.5 µV</p> <p>2.4. Bitrate: 50 bps – 5.25 Mbps</p> <p>2.5. Digital I/O:</p> <p>2.5.1. Operating voltage: 1.2 – 5 V</p> <p>2.5.2. VIL:</p> <p>2.5.2.1. Low-level input voltage: <math>V_{io} \times 0.2</math> V</p> <p>2.5.2.2. High-level input voltage: <math>V_{io} \times 0.8</math> V</p>	1	P129,880.00	P129,880.00

**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>2.5.3. I<sub>max</sub> maximum sink/source current (total for all GPIOs): -10 to 10 mA</p> <p>2.6. Differential ADC, pins ADC- and ADC+:</p> <p>2.6.1. Voltage input: -10 to 25 V</p> <p>2.6.2. Shunt voltage range: -102.4 to 102.4 mV</p> <p>2.6.3. Resolution: 12.2 nV</p> <p>2.6.4. Accuracy: ± (0.1% +1 µV)</p> <p>2.6.5. Input impedance: &gt;100M ohm</p> <p>2.7. Single ended ADC, pins ADC- and ADC+:</p> <p>2.7.1. Voltage input: -10 to 25 V</p> <p>2.7.2. Resolution: 3.1 µV</p> <p>2.7.3. Accuracy: ± (0.1% +250 µV)</p> <p>2.7.4. Input impedance: &gt;100M ohm</p> <p>2.8. SENSE, pins SENSE- and SENSE+:</p> <p>2.8.1. Voltage input: -10 to 25 V</p> <p>2.8.2. Resolution: 3.1 µV</p> <p>2.8.3. Accuracy: ± (0.1% +250 µV)</p> <p>2.8.4. Input impedance: &gt;100M ohm</p> <p>2.9. Expansion port power supply:</p> <p>2.9.1. Output:</p> <p>2.9.1.1. Voltage: 0 – 15 V</p> <p>2.9.1.2. Voltage setting resolution: 5 mV</p> <p>2.9.1.3. Current: 600 mA</p> <p>2.10. USB and DC jack:</p> <p>2.10.1. DC jack:</p> <p>2.10.1.1. Input:</p> <p>2.10.1.1.1. Voltage: 7 – 20 V</p> <p>2.10.1.1.2. Current: 5 A</p> <p>2.10.2. USB:</p> <p>2.10.2.1. Voltage: 4.75 – 20 V</p> <p>2.10.2.2. Current: 3 A</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 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 Notice to Proceed.</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 item/s not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
			<b>TOTAL:</b>	<b>₱129,880.00</b>
	<b>(Total Amount in Words)</b>		<b>One Hundred Twenty Nine Thousand Eight Hundred Eighty 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

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(Signature over Printed Name of Supplier)

\_\_\_\_\_

(Date)

<b>Fund Cluster:</b>	<u>01</u>	ORS / BURS No.:	<u>001011012024-07-000579</u>
<b>Funds Available:</b>	<u>Php 129,880.00</u>	ORS / BURS Date:	<u>JULY 16, 2024</u>
		Amount:	<u>₱ 129,880.00</u>
 <b>GAY CONCEPCION S. BUGAGAO</b> Accountant III			



15 July 2024

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

**Mr. MIKE JASSEN T. SY**  
 President  
**JASSEN HARRIS INDUSTRIES CORP.**  
 1063 Tomas Mapua St., Brgy. 329 Zone 33  
 Sta. Cruz, Manila

Dear Mr. Sy,

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

	<b>Contract Name</b>	: <b>Supply and Delivery of One (1) Unit Laboratory Tool - Precision DC Energy Analyzer/Power Profiler</b>
	<b>Purchase Request No.</b>	: <b>GAA-24-05-19244</b>
	<b>Purchase / Work Order No.</b>	: <b>24-07-167</b>
	<b>Total Contract Price</b>	: <b>₱129,880.00</b>
(inclusive of taxes, import duties and all other charges or fees)	<b>Total Contract Price in Words</b>	: <b>One Hundred Twenty Nine Thousand Eight Hundred Eighty Pesos</b>

Upon issuance of this Notice, your company, **JASSEN HARRIS INDUSTRIES CORP.** 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 Franz A. De Leon  
 Benjamin R. Lara

DATE OF ISSUANCE:

**JUL 18 2024**

RECEIVED BY:

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

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

Postal Address : ASTI Bldg., U.P. Technology Park Complex,  
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ASTI-FM 03-19  
 REV 2 / 05 October 2023