



ASTI-FM 03-17  
 REV 2 / 31 January 2020

**PURCHASE ORDER**

<b>Supplier:</b>	<b>JASSEN HARRIS INDUSTRIES CORP.</b>	<b>PO No.:</b>	<b>23-10-202</b>
<b>Address:</b>	<b>1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila</b>	<b>PO Date:</b>	<b>October 4, 2023</b>
<b>TIN:</b>	<b>009-248-102-000</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:

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

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Unit	<p><b>Single Board Computer 8GB RAM</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 Single Board Computer 8GB RAM, to be used as prototype's microcomputer.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all taxes and applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. 8GB RAM</p> <p>2.2. 64-bit quad-core processor</p> <p>2.3. 1.5GHz with built-in metal heatsink</p> <p>2.4. USB 3 ports</p> <p>2.5. Dual-band 2.4GHz</p> <p>2.6. 5GHz wireless LAN</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>	1	₱7,000.00	₱7,000.00

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;  
 Fax No. : +632 8426-9764

2	<p><b>Analog TDS Sensor meter for microcontroller</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 Three (3) units Analog TDS Sensor/Meter for Microcontroller, to be used as prototyping component to sense the total dissolved solid level of the liquid.</p> <p>1.2. The ABC is inclusive of government taxes and other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Input Voltage: 3.3V - 5V</p> <p>2.2. Output Voltage: 0 ~ 2.3V</p> <p>2.3. Working Current: 3 ~ 6mA</p> <p>2.4. TDS Measurement Range: 0 ~ 1000ppm</p> <p>2.5. TDS Measurement Accuracy: ± 10% F.S. (25)</p> <p>2.6. Waterproof probe</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b></p> <p>3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>	3	P920.00	P2,760.00
3	<p><b>Industrial PH Probe</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 Industrial pH Probe, to be used as prototyping component to sense the pH quality level of the liquid.</p> <p>1.2. The ABC is inclusive of government taxes and other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Measuring Range :0 – 14PH</p> <p>2.2. Measuring Temperature: 0 – 60 °C</p> <p>2.3. Resolution: +/- 0.001</p> <p>2.4. Resolution: +/- 0.001</p> <p>2.5. Response Time: 95% in 1s</p> <p>2.6. Temperature Range °C: 1 – 99 °C</p> <p>2.7. Max Pressure: 100 PSI</p> <p>2.8. Max Depth: 70m (230 ft)</p> <p>2.9. Connector: Tinned Leads</p> <p>2.10. Cable Length: 3 Meters (10')</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b></p> <p>3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.3. Government terms. Payment upon complete</p>	1	P19,000.00	P19,000.00

		delivery.  (Please see attached quotation.)			
4	Unit	<p><b>PH Circuit</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 pH Circuit, to be used in the circuit development and prototyping of plantform.</p> <p>1.2. The ABC is inclusive of government taxes and other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Reads: pH</p> <p>2.2. Range: .001 – 14.000</p> <p>2.3. Resolution: .001</p> <p>2.4. Accuracy: +/- 0.002</p> <p>2.5. Response Time: 1 Reading per Sec</p> <p>2.6. Supported Probes: Any Type and Brand</p> <p>2.7. Data Protocol: UART &amp; I2C</p> <p>2.8. Default I2C Address: 99 (0x63)</p> <p>2.9. Operating Voltage: 3.3V – 5V</p> <p>2.10. Data Format: ASCII</p> <p>2.11. Circuit Dimensions: 13.97mm x 20.16mm (0.55" x 0.79")</p> <p>2.12. Weight: 1.76 Grams</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b></p> <p>3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b></p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>	1	₱3,350.00	₱3,350.00
5	Unit	<p><b>Industrial Conductivity probe</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 Industrial Conductivity Probe, to be used as prototyping component to sense the conductivity level of the liquid.</p> <p>1.2. The ABC is inclusive of government taxes and other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Range: 0.07 – 50,000 <math>\mu\text{S}/\text{cm}</math></p> <p>2.2. Accuracy: +/- 2%</p> <p>2.3. Response Time: 90% in 1s</p> <p>2.4. Temperature Range °C: 0 – 60 °C</p> <p>2.5. Max Pressure: 200 PSI</p> <p>2.6. Max Depth: 141m (463 ft)</p> <p>2.7. Connector: Tinned Leads</p> <p>2.8. Cable Length: 3 Meters (10')</p> <p>2.9. Pipe Fitting: 3/4" Threaded NPT</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b></p> <p>3.1. Supplier warrants the items against defects in</p>	1	₱18,950.00	₱18,950.00

		<p>manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>			
6	Unit	<p><b>Conductivity Circuit</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 Conductivity Circuit, to be used in the circuit development and prototyping of platform.</p> <p>1.2. The ABC is inclusive of government taxes and other charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Reads: Conductivity = <math>\mu\text{S/cm}</math> Total Dissolved Solids = ppm Salinity = PSU (ppt) 0.00 – 42.00 Specific Gravity (Sea Water Only) = 1.00 – 1.300"</p> <p>2.2. Range: 0.07 – 500,000+ <math>\mu\text{S/cm}</math></p> <p>2.3. Accuracy: +/- 2%</p> <p>2.4. Response Time: 1 reading per sec</p> <p>2.5. Supported Probes: K 0.01 – K 10.2 any brand</p> <p>2.6. Data Protocol: UART &amp; I2C</p> <p>2.7. Default I2C Address: 100 (0x64)</p> <p>2.8. Operating Voltage: 3.3V – 5V</p> <p>2.9. Data Format: ASCII</p> <p>2.10. Circuit Dimensions: 13.97mm x 20.16mm (0.55" x 0.79")</p> <p>2.11. Weight: 1.77 grams</p> <p>3. WARRANTY AND AFTER SALES SUPPORT</p> <p>3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.</p> <p>3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Must carry at least three (3) months warranty.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. The price of the bid must be inclusive of government taxes and other charges.</p> <p>4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>	1	P4,050.00	P4,050.00
7	Unit	<p><b>Industrial Dissolved Oxygen Probe</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 Industrial Dissolved Oxygen Probe, to be used as prototyping component to sense the dissolved oxygen level of the liquid.</p> <p>1.2. The ABC is inclusive of government taxes and</p>	1	P28,000.00	P28,000.00

		<p>other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b>  2.1. Reads: Dissolved Oxygen  2.2. Range: 0 – 100 mg/L  2.3. Accuracy: +/- 0.05 mg/L  2.4. Response Time: ~0.1 mg/L/per sec  2.5. Temperature Range °C: 1 – 99 °C  2.6. Max Pressure: 300 PSI  2.7. Max Depth: 212m (694 ft)  2.8. Connector: Tinned Leads  2.9 Cable Length: 3 Meters (10')  2.10 Internal Temperature Sensor: Yes (PT-1000)  2.11 Time Before Recalibration: ~1 Year  2.12 Life Expectancy: ~4 Years  2.13 Maintenance: ~18 Months</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b>  3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.  3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.  3.3. Must carry at least three (3) months warranty.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b>  4.1. The price of the bid must be inclusive of government taxes and other charges.  4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.  4.3. Government terms. Payment upon complete delivery.</p> <p>(Please see attached quotation.)</p>			
8	Unit	<p><b>Dissolved Oxygen Circuit</b>  <b>1. GENERAL OVERVIEW</b>  1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of One (1) unit Dissolved Oxygen Circuit, to be used in the circuit development and prototyping of platform.  1.2. The ABC is inclusive of government taxes and other charges.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b>  2.1. Range: 0.01 – 100+ mg/L  0.1 – 400+ % saturation"  2.2. Accuracy: +/- 0.05 mg/L  2.3. Response Time: 1 reading per sec  2.4. Supported Probes: Any galvanic probe  2.5. Data Protocol: UART &amp; I2C  2.6. Default I2C Address: 97 (0x61)  2.7. Operating Voltage: 3.3V – 5V  2.8. Data Format: ASCII  2.9. Circuit Dimensions: 13.97mm x 20.16mm (0.55" x 0.79")  2.10. Weight: 1.77 grams</p> <p><b>3. WARRANTY AND AFTER SALES SUPPORT</b>  3.1. Supplier warrants the items against defects in manufacturing and shipping and delivery issues.  3.2. Defective and incorrect items shall be replaced by the supplier within fifteen (15) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.  3.3. Must carry at least three (3) months warranty.</p> <p><b>4. PAYMENT AND DELIVERY TERMS</b>  4.1. The price of the bid must be inclusive of government taxes and other charges.</p>	1	₱4,050.00	₱4,050.00

	4.2. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP. 4.3. Government terms. Payment upon complete delivery.  (Please see attached quotation.)		
			<b>TOTAL: P87,160.00</b>
<b>(Total Amount in Words)</b>	<b>Eighty Seven Thousand One Hundred Sixty 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)

<b>Fund Cluster:</b>	<u>01</u>	ORS / BURS No.:	<u>01011012023-10-000763</u>
		ORS / BURS Date:	<u>OCTOBER 04, 2023</u>
<b>Funds Available:</b>	<u>PHP 87,160.00</u>	Amount:	<u>P 87,160.00</u>
 <b>GAY CONCERCION S. BUGAGAO</b> Accountant III			



04 October 2023

**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:

Contract Name	: <b>Supply and Delivery of One (1) Unit Single Board Computer 8GB RAM and Other Items</b>
Purchase Request No.	: <b>GAA-23-09-17593</b>
Purchase / Work Order No.	: <b>23-10-202</b>
Total Contract Price	: <b>Php 87,160.00</b>
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: <b>Eighty Seven Thousand One Hundred Sixty 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

DATE OF ISSUANCE:

**06 OCT 2023**

RECEIVED BY:

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

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

Postal Address : ASTI Bldg., U.P. Technology Park Complex,  
 CP Garcia Ave., Diliman, Quezon City 1101  
 Website : [www.asti.dost.gov.ph](http://www.asti.dost.gov.ph)  
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