



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>23-07-127</b>
<b>Address:</b>	<b>1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila</b>	<b>PO Date:</b>	<b>July 12, 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	Piece	<p><b>Tool - Crimping tool for Insulated Ferrule</b> 1GENERAL OVERVIEW 1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) pc of crimping tool to be used for insulated ferrule. 1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges. 1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p>2TECHNICAL SPECIFICATIONS 2.1. Crimp tool type: Plier 2.2. Crimp connector type: Insulated terminals 2.3. With adjustable ratchet 2.4. Insulated terminals sizes (AWG): 2.4.1. 22 – 18 2.4.2. 16 – 14 2.4.3. 12 – 10 2.5. DIN: 0.5 – 1 mm<sup>2</sup> / 1.5 – 2.5 mm<sup>2</sup> / 4 – 6 mm<sup>2</sup> 2.6. Insulated terminal ring/splices: 16 – 26 AWG 2.7. Material: 2.7.1. Body: Carbon steel 2.7.2. Grip handle: Thermoplastic 2.8. Suitable for use on insulated vinyl, polycarbonate and nylon Red, Blue, Yellow</p> <p>3 WARRANTY 3.1. This crimping tool must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance. 3.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p>4 DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP). 4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by</p>	1	P4,990.00	P4,990.00

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;  
Fax No. : +632 8426-9764

		the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.  (Please see attached quotation.)			
2	Piece	<p><b>Accessory - 11in1 USB C Hub</b></p> <p><b>1 GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of five (5) pcs of 11in1 USB C hub that will be used to connect modules, sensors, development board and electronic components with different interfaces to the laptop, monitors and other external displays for research purposes.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Material: Aluminum alloy</p> <p>2.2. Craft: Sandblasting and anodizing</p> <p>2.3. Color: Space gray</p> <p>2.4. Input: Type-C</p> <p>2.5. Port:</p> <p>2.5.1. Power delivery: 5V / 9V/ 14.5V / 20V 5A (Max.)</p> <p>2.5.2. HDMI:</p> <p>2.5.2.1. Supports 4K @30 Hz HD Display (Max.)</p> <p>2.5.2.2. Number of HDMI ports: Two (2)</p> <p>2.5.3. VGA transmission: Supports 1920 × 1080P @60 Hz (Max.)</p> <p>2.5.4. USB 3.0:</p> <p>2.5.4.1. Supports 5Gbps (Max) and is backward compatible with USB 2.0</p> <p>2.5.4.2. Number of USB 3.0 ports: Three (3)</p> <p>2.5.5. RJ45 network: Supports 10 Mbps, 100 Mbps, 1000 Mbps</p> <p>2.5.6. SD/TF: Supports SD 2.0 data transmission and simultaneous reading</p> <p>2.6. Data rate: 60 MB/s</p> <p>2.7. 3.5mm audio: US standard (CTIA)</p> <p>2.8. Standby current: &lt; 400 mA</p> <p>2.9. Voltage: 5 V – 20 V</p> <p>2.10. Weight: approx. 127 ±5 g</p> <p>2.11. Compatible with Apple OS, Pad OS, Windows</p> <p>2.12. With light indicator</p> <p><b>3 WARRANTY</b></p> <p>3.1. These 11in1 USB C hub must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p><b>4 DELIVERY AND PAYMENT TERMS</b></p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>	5	₱4,500.00	₱22,500.00

3	Piece	<p><b>Electronic Speed Controller</b></p> <p>1GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of two (2) pcs of brushless waterproof electronics speed controller for arQ 2.0</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p>2TECHNICAL SPECIFICATIONS</p> <p>2.1. MCU: low-power AVR 8-bit ATmega168 series</p> <p>2.2. Working frequency: 20 MHz</p> <p>2.3. Can support maximum 210K erpm speed of brushless motor</p> <p>2.4. Continuous output current: 120 A</p> <p>2.5. BEC specs</p> <p>2.5.1. Type: Linear mode</p> <p>2.5.2. BEC output: 5.5 V / 5 A</p> <p>2.6. Input: 2 – 6 S Lipo</p> <p>2.7. Application: Suitable for hull with length &lt; 120 cm</p> <p>2.8. Starting acceleration can be set</p> <p>2.9. With fast throttle response speed</p> <p>2.10. Offers protection functions such as:</p> <p>2.10.1. Low voltage protection</p> <p>2.10.2. Over temperature protection</p> <p>2.10.3. Throttle signal loss protection</p> <p>2.10.4. Locked rotor protection</p> <p>2.11. With built-in BEC with steering gear</p> <p>2.12. Ingress protection: IP67 (Waterproof)</p> <p>2.13. Equipped with aluminum alloy water cooling and heat dissipation system</p> <p>2.14. Suitable for driving all kinds of three-phase brushless motors</p> <p>3 WARRANTY</p> <p>3.1. This electronic speed controller must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business 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 Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>	2	P11,400.00	P22,800.00
4	Piece	<p><b>Connector - Female RP-SMA</b></p> <p>1GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of five (5) pc of RF crimping tool to be used for crimping connectors, cables needed for LoRa and other similar application.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p>	5	P300.00	P1,500.00

		<p>1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Connector:</p> <p>2.1.1. Style: RP-SMA</p> <p>2.1.2. Type: Female Socket</p> <p>2.2. Termination:</p> <p>2.2.1. Contact: Crimp</p> <p>2.2.2. Shield: Crimp</p> <p>2.3. Cable group: RG-174, 316</p> <p>2.4. Fastening type: Threaded</p> <p>2.5. Number of ports: 1</p> <p>2.6. Material:</p> <p>2.6.1. Housing color: Gold</p> <p>2.6.2. Body finish: Gold</p> <p>2.6.3. Center contact plating: Gold</p> <p><b>3 WARRANTY</b></p> <p>3.1. These female RP-SMA must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business days.</p> <p><b>4 DELIVERY AND PAYMENT TERMS</b></p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
5	Unit	<p><b>Marine LED Beacon</b></p> <p><b>1 GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of two (2) units of marine LED beacon to be used for signaling.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p><b>2 TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Range: 4 NM</p> <p>2.2. Color: Yellow</p> <p>2.3. Lens visual/mechanical diameter: 177 mm.</p> <p>2.4. Lens material: UV stabilized Polycarbonate</p> <p>2.5. Light source: High power Light Emitting Diode (LED)</p> <p>2.6. Vertical divergence: &gt; 8 degree (FWHM)</p> <p>2.7. Solar module: High efficiency cells; MPPT; 2.5 W</p> <p>2.8. Battery:</p> <p>2.8.1. Li-Ion: 3.6 W / 6 Ah</p> <p>2.9. Degree of ingress protection: IP 68</p> <p>2.10. With ventilated battery compartment</p> <p>2.11. Adjustable intensity and range</p> <p>2.12. Installation</p> <p>2.12.1. Adapter</p> <p>2.12.1.1. 3 x M6 on 150 mm</p> <p>2.12.1.2. 3 x M12 on 200 mm</p> <p>2.12.2. Pole mount: 70 or 72 diameter</p> <p><b>3 WARRANTY</b></p> <p>3.1. These marine LED beacon must have at least</p>	2	P110,000.00	P220,000.00

		<p>one (1) year of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business 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 Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
6	Piece	<p><b>Antenna - Yagi Directional Antenna</b></p> <p>1GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the Supply and Delivery of one (1) pc of Yagi Directional Antenna that will be used during the field testing of the LoRa boards for arQ 2.0.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of minimum requirement, unless otherwise stated.</p> <p>2TECHNICAL SPECIFICATIONS</p> <p>2.1. Frequency range: 862 – 870 MHz</p> <p>2.2. Gain: 8.9 dBi</p> <p>2.3. Polarization: Vertical</p> <p>2.4. Impedance: 50 ohms</p> <p>3 WARRANTY</p> <p>3.1. This directional antenna must have at least six (6) months of warranty from the time of delivery which covers defects in materials. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.2. Any replacement service must be successfully performed within sixty (60) business 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 Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be given once the item is completely delivered, inspected, and accepted by the End User. No payment shall be made for the supplies and materials not yet delivered under this contract.</p> <p>(Please see attached quotation.)</p>	1	₱13,800.00	₱13,800.00
				<b>TOTAL:</b>	<b>₱285,590.00</b>
<b>(Total Amount in Words)</b>		<b>Two Hundred Eighty Five Thousand Five Hundred Ninety 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.

Official stamp of Franz A. De Leon

Director, DOST-ASTI

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

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

<b>Fund Cluster:</b>	<u>01</u>	ORS / BURS No.:	<u>01101012623-07-000524</u>
		ORS / BURS Date:	<u>July 17, 2023</u>
<b>Funds Available:</b>	<u>PHP 285,290.00</u>	Amount:	<u>₱ 285,290.00</u>
 <b>GAY CONCEPCION S. BUGAGAO</b> Accountant III			



12 July 2023

**NOTICE TO PROCEED**  
ALTERNATIVE MODE OF PROCUREMENT

**Mr. MIKE JASSEN T. SY**  
President  
**JASSEN HARRIS INDUSTRIES CORPORATION**  
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) Piece Tool - Crimping tool for Insulated Ferrule and Other Items</b>
Purchase Request No.	: <b>GAA-23-05-16861</b>
Purchase / Work Order No.	: <b>23-07-127</b>
Total Contract Price	: <b>Php 285,590.00</b>
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: <b>Two Hundred Eighty Five Thousand Five Hundred Ninety Pesos</b>

Upon issuance of this Notice, your company, **JASSEN HARRIS INDUSTRIES CORPORATION** 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.** Bids and Awards Committee  
Director

DATE OF ISSUANCE:

JULY 19, 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  
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