



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:	JASSEN HARRIS INDUSTRIES CORP.	PO No.:	25-05-095
Address:	1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila, 1014	PO Date:	May 27, 2025
TIN:	009-248-102-00000	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>Hi Gain Lora Antenna (8dBi)</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 Hi Gain Lora Antenna (8dBi) which will be part of prototype devices.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Material: FRP (Fiberglass)</p> <p>2.2. Average Gain: 8.0 +/-0.8dBi</p> <p>2.3. Frequency Range: 858-878MHz</p> <p>2.4. Radiation Pattern: Omni-directional</p> <p>2.5. Polarization: Linear polarization/ Vertical</p> <p>2.6. Impedance: 50 Ohm</p> <p>2.7. Cable Type: RG-141 50Ohm</p> <p>2.8. Connector Type: N-J Double tooth connector</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>	5	P6,100.00	P30,500.00 14 280

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>3.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>3.3. The Hi Gain Lora Antennas (8dBi) 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 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
2	Piece	<p>Hi Gain Lora Antenna (5dBi)</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 Hi Gain Lora Antenna (5dBi) 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. Material: FRP (Fiberglass)</p> <p>2.2. Average Gain: 5.0 +/-0.8dBi</p> <p>2.3. Frequency Range: 860-930MHz</p> <p>2.4. Radiation Pattern: Omni-directional</p> <p>2.5. Polarization: Linear polarization/ Vertical</p> <p>2.6. Impedance: 50 Ohm</p> <p>2.7. Cable Type: RG-141 50Ohm</p> <p>2.8. Connector Type: N-J Double tooth connector</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 Hi Gain Lora Antennas (5dBi) must</p>	5	P3,450.00	P17,250.00 ICT RFD

		<p>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>			
3	Piece	<p>GNSS Magnetic Mount Antenna</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 GNSS Magnetic Mount Antenna 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. Parameter: L1 Band</p> <p>2.1.1. Frequency: 1599-1606 MHz</p> <p>2.1.2. Impedance: 50 Ohms</p> <p>2.1.3. Gain: Typ. 3.5 dBic (Zenith)</p> <p>2.1.4. Axial Ratio: Max 2.0. dB (Zenith)</p> <p>2.1.5. Polarization: RHCP</p> <p>2.2. Parameter: L2/E5b/B2I Band</p> <p>2.1.1. Frequency: 1197-1249 MHz</p> <p>2.1.2. Impedance: 50 Ohms</p> <p>2.1.3. Gain: Typ. 0.0-2.0 dBic (Zenith)</p> <p>2.1.4. Axial Ratio: Max 2.0. dB (Zenith)</p> <p>2.1.5. Polarization: RHCP</p> <p>2.3 Connector Type: SMA</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 GNSS Magnetic Mount Antenna must have at least one (1) year of warranty from the time of delivery which covers</p>	2	P5,600.00	<p>P11,200.00</p> <p>ICT RED</p>

		<p>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>			
4	Piece	<p>LiFepo4 Battery (30Ah)</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 LiFepo4 Battery (30Ah) 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. Capacity: 30 Ah (384 Wh)</p> <p>2.2. Max Discharge Rate: 20A</p> <p>2.3. Max Charging Rate: 20A</p> <p>2.4. Charging Voltage: 14.4.v</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 LiFepo4 Battery (30Ah) 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.</p>	5	₱7,700.00	₱38,500.00 10% REP

		No payment shall be made for items not delivered under this contract. (Please see attached quotation.)			
5	Piece	<p>Single Board Computer</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Twenty (20) Pieces of Single Board Computers 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. Speed: 1GHz</p> <p>2.2. RAM Capacity: 512MB</p> <p>2.3. Storage Interface: microSD</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 Single Board Computers 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>	20	P1,550.00	P31,000.00 ICT REF
6	Piece	<p>HDMI Male to HDMI Male (2.0m)</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 HDMI Male to HDMI Male (2.0m) which will be used by COMPASS Project.</p>	5	P600.00	P3,000.00 Other Supplies

		<p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Connector: HDMI Standard</p> <p>2.2. Version: HDMI 2.1</p> <p>2.3. Length: 2 meters</p> <p>2.4. Resolution: 8K @ 60Hz</p> <p>2.5. Conductor: Pure Copper</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 HDMI Male to HDMI Male (2.0m) 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 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
7	Piece	<p>HDMI Switch</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 HDMI Switch which will be used by COMPASS Project.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Resolution: 4K @ 30Hz</p> <p>2.2. Material: PC + ABS</p> <p>2.3. HDMI Version: 1.4b</p>	5	P590.00	P2,950.00 other supplies

		<p>2.4. Modes: 2 in 1 out / 1 in 2 out</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 HDMI Switch 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 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
8	Piece	<p>USB 4-Port Adapter</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of ten (10) pieces of USB 4-Port Adapter which will be used by COMPASS Project.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Transfer speed: Up to 5Gbps</p> <p>2.2. Compatible with USB 3.0</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>	10	P650.00	P6,500.00 <i>other supplies</i>

		<p>3.3. The USB 4-Port Adapter 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 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
9	Piece	<p>USB Wireless Adapter</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of ten (10) pieces of USB Wireless Adapter which will be used by COMPASS Project.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. With Antenna</p> <p>2.2. Wireless Network: Wifi N (802.11 b/g/n/ac)</p> <p>2.3. Modem Connectivity Speed: up to 650Mbps</p> <p>2.4. Interface: USB</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 USB Wireless Adapter 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>	10	₱750.00	₱7,500.00 other Supplies

		<p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered sixty (60) days upon issuance of 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
10	Piece	<p>Fast Charging Micro USB Cable</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of twenty (20) pieces of Fast Charging Micro USB Cable which will be used by COMPASS Project.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Length: 0.5 meter</p> <p>2.2. Compatibility: Compatible with most devices</p> <p>2.3. Nylon braided cable</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 Fast Charging Micro USB Cables 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 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. No payment shall be made for items not</p>	20	P200.00	P4,000.00 other supplies

		delivered under this contract. (Please see attached quotation.)			
11	Piece	USB to RS485 Converter with Original FT232RL Inside 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of five (5) pieces of USB to RS485 Converter with Original FT232RL Inside which will be used by COMPASS Project. 1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and all applicable charges. 2. TECHNICAL SPECIFICATIONS 2.1. Host port: USB 2.2. Device port: RS485 2.3. USB Operating voltage: 5V 2.4. USB Connector: USB-A 3. WARRANTY AND AFTERSALES SUPPORT 3.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI. 3.2. The end-user must be able to request technical support by phone, email, or through a website. 3.3. The USB to RS485 Converters 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. 4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered sixty (60) days upon issuance of Notice to Proceed (NTP). 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. (Please see attached quotation.)	5	₱1,500.00	₱7,500.00 <i>other supplies</i>
				TOTAL:	₱159,900.00
(Total Amount in Words)			One Hundred Fifty-Nine Thousand Nine Hundred Pesos 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:

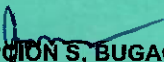
Very Truly Yours,

(Signature over Printed Name of Supplier)

(Date)


FRANZ A. DE LEON, Ph.D.
Director, DOST-ASTI

Digitally
signed by
Jeffrey A.
Aborot

Fund Cluster:	01	ORS / BURS No.:	02101102025-DS-000396
Funds Available:	Php 159,900.00	ORS / BURS Date:	MAY 28, 2025
		Amount:	₱ 159,900.00
<div> GAY CONCEPTION S. BUGAGAO Accountant III</div>			



27 May 2025

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	:	Supply and Delivery of Five (5) Pieces Hi Gain Lora Antenna (8dBi) and Other Items
Purchase Request No.	:	GAA-25-03-20769
Purchase / Work Order No.	:	25-05-095
Total Contract Price	:	₱159,900.00
(inclusive of taxes, import duties and all other charges or fees)		
Total Contract Price in Words	:	One Hundred Fifty-Nine Thousand Nine Hundred Pesos

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
Jeffrey A.
Alborot

DATE OF ISSUANCE:

29 MAY 2025

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
Email : info@asti.dost.gov.ph

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ASTI-FM 03-19
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