



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.:	24-06-116
Address:	1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila	PO Date:	June 03, 2024
TIN:	009-248-102-000	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	Unit	<p>Surveying 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) Units of Surveying Antenna, which shall serve as part of the SAGAP prototype.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and services charges.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide by and meet the following minimum specifications:</p> <p>2.1.1. Antenna element</p> <p>2.1.1.1. Supported positioning signal bands:</p> <p>2.1.1.1.1. GPS: L1, L2</p> <p>2.1.1.1.2. GLONASS: G1, G2</p> <p>2.1.1.1.3. BeiDou: B1, B2</p> <p>2.1.1.1.4. Galileo: E1, E5b</p> <p>2.1.1.1.5. QZSS: L1, L2</p> <p>2.1.1.1.6. SBAS: WAAS, EGNOS, MSAS and GAGAN</p> <p>2.1.1.2. Polarization: RHCP</p> <p>2.1.1.3. Peak Gain: 5dBi</p> <p>2.1.1.4. Axial Ratio @ Zenith: <3dB</p> <p>2.1.1.5. Azimuth Coverage: 360 degrees</p> <p>2.1.1.6. Impedance: 50 ohm</p> <p>2.1.1.7. Phase Center Error: ±1mm</p> <p>2.1.1.8. Calibration File available</p> <p>2.1.2. Electrical</p> <p>2.1.2.1. Supply Voltage: 3-12V</p> <p>2.1.2.2. Typical supply current @ 3V: 45mA</p> <p>2.1.2.3. Average LNA Gain: 40dB</p> <p>2.1.2.4. Maximum Noise Figure: 1.5dB</p> <p>2.1.2.5. Maximum VSWR: 2</p> <p>2.1.3. Mechanical</p> <p>2.1.3.1. Connector: TNC female</p>	2	P11,500.00	P23,000.00

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

		<p>2.1.3.2. Cable Length: Includes 1.5 meter cable terminated in SMA male</p> <p>2.1.4. Environmental</p> <p>2.1.4.1. Operating Temperature: -40 to +85°C</p> <p>2.1.4.2. Storage Temperature: -40 to +85°C</p> <p>2.1.4.3. IP Rating: IP67 (excluding air vent in screw hole, which can be sealed when installed)</p> <p>2.1.4.4. RoHS: Yes</p> <p>3. WARRANTY</p> <p>3.1. All units must carry six (6) months warranty for other parts and services that covered defects in materials and workmanship.</p> <p>3.2. Defective units should be replaced fifteen (15) calendar days upon receipt of notice from end-users or DOST-ASTI Property and Supply Section.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Payment shall be processed upon certification/acceptance by the end-user that the goods are delivered in accordance with the terms of this contract and are duly inspected and accepted. No payment shall be made for goods not delivered under this contract.</p> <p>4.3. The price must be inclusive of government taxes and other charges.</p> <p>(Please see attached quotation.)</p>			
2	Unit	<p>QZSS Correction Receiver</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) Units of QZSS Correction Receiver, which shall serve as part of the SAGAP prototype.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and services charges.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide by and meet the following minimum specifications:</p> <p>2.1.1. Frequency: 1.222GHz ~ 1.232GHz, 1.273GHz ~ 1.283GHz</p> <p>2.1.2. Sensitivity: -154dBm</p> <p>2.1.3. Modulation or Protocol: GNSS</p> <p>2.1.4. Data Rate (Max): 912.6kbps</p> <p>2.1.5. Voltage - Supply: 2.7V ~ 3.6V</p> <p>2.1.6. Communication Interface: UART/USB/I2C/SPI</p> <p>2.1.7. Communication Speed: Up to 921600 baud</p> <p>UART, USB 2.0, SPI 125 kB/s, I2C 400 kbit/s</p> <p>2.1.8. Must support L2C and L6 QZSS signal bands.</p> <p>2.1.9. The QZSS Correction Receiver must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry six (6) months warranty for other parts and services that covered defects in materials and workmanship.</p> <p>3.2. Defective units should be replaced fifteen (15) calendar days upon receipt of notice from end-users or DOST-ASTI Property and Supply Section.</p> <p>3.2.1. Defective units are defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.</p>	2	₱4,300.00	₱8,600.00

		<p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Payment shall be processed upon certification/acceptance by the end-user that the goods are delivered in accordance with the terms of this contract and are duly inspected and accepted. No payment shall be made for goods not delivered under this contract.</p> <p>4.3. The price must be inclusive of government taxes and other charges.</p> <p>(Please see attached quotation.)</p>			
3	Unit	<p>AIS 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) Units of AIS Antenna, which shall serve as part of the SAGAP prototype.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and services charges.</p> <p>2. SPECIFICATIONS</p> <p>2.1. The supplier must abide by and meet the following minimum specifications:</p> <p>2.1.1. Best Use: VHF</p> <p>2.1.2. Elements: Copper</p> <p>2.1.3. Gain: 6 Decibels</p> <p>2.1.4. Lead: 15' RG-58 Cable with PL-259 Connector</p> <p>2.1.5. Length: 8'</p> <p>2.1.6. The AIS Antenna must be brand new and unused.</p> <p>3. WARRANTY</p> <p>3.1. All units must carry six (6) months warranty for other parts and services that covered defects in materials and workmanship.</p> <p>3.2. Defective units should be replaced fifteen (15) calendar days upon receipt of notice from end-users or DOST-ASTI Property and Supply Section.</p> <p>3.2.1. Defective units are defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Payment shall be processed upon certification/acceptance by the end-user that the goods are delivered in accordance with the terms of this contract and are duly inspected and accepted. No payment shall be made for goods not delivered under this contract.</p> <p>4.3. The price must be inclusive of government taxes and other charges.</p> <p>(Please see attached quotation.)</p>	2	₱15,000.00	₱30,000.00
				TOTAL:	₱61,600.00
(Total Amount in Words)			Sixty-One Thousand Six 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)


FRANZ A. DE LEON, Ph.D. *B. Lara*

Digitally signed
by Bayani
Benjamin R. Lara

Director, DOST-ASTI

(Date)

Fund Cluster:	<u>01</u>	ORS / BURS No.:	<u>011011012024-01-000424</u>
Funds Available:	<u>Php 61,600.00</u>	ORS / BURS Date:	<u>JUNE 04, 2024</u>
		Amount:	<u>₱ 61,600.00</u>
<p> GAY CONCEPCION S. BUGAGAO _____ Accountant III</p>			



03 June 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 1014

Dear Mr. Sy,

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

Contract Name	: Supply and Delivery of Two (2) Units Surveying Antenna and Other Items
Purchase Request No.	: GAA-24-04-19143
Purchase / Work Order No.	: 24-06-116
Total Contract Price	: P61,600.00
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: Sixty-One Thousand Six 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 Bayard
 Benjamin R. Lam

DATE OF ISSUANCE:

06 JUN 2024

RECEIVED BY:

 Signature over Printed Name

 Date and Time