



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.:	24-11-264
Address:	1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila, 1014	PO Date:	November 12, 2024
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:	Provided for under description
Date of Delivery:	_____	Payment Term:	Government Terms
		Warranty Term:	_____

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Unit	<p>LiDAR module compatible with Raspberry Pi</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 LiDAR module compatible with Raspberry Pi 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. Must be compatible with Raspberry Pi</p> <p>2.2. Distance Measuring Range: 0.02mm – 12m</p> <p>2.3. Scanning Frequency: 5-13 Hz</p> <p>2.4. Ranging Accuracy: 30mm</p> <p>2.5. Ranging Frequency: 4500Hz</p> <p>2.6. Scanning Angle: 360 degrees</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</p>	2	P6,000.00	P12,000.00

		<p>through a website.</p> <p>3.3. The LiDAR module 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) 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
2	Unit	<p>Upconverter</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 Upconverter 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. RF Input: 1kHz to 60 MHz</p> <p>2.2. IF Frequency: 120 MHz – Positive Image</p> <p>2.3. Technology: Switched Double Balanced Mixer</p> <p>2.4. Conversion Loss: 5.2 dB typ.</p> <p>2.5. 35 dBm IIP3</p> <p>2.6. LO Leakage: -42dBm typ. (12 dB lower than the original SpyVerter)</p> <p>2.7. Phase Noise at 10kHz Separation: -122 dBc/Hz</p> <p>2.8. RF Filtering: Low Pass Filter with corner at 65 MHz – 75dB ultimate rejection</p> <p>2.9. IF Filtering: Band Pass Filter with corners at 120 MHz and 180 MHz – 75dB ultimate rejection</p> <p>2.10. Max RF Power: 10 dBm</p> <p>2.11. Bias-tee Voltage: 4.2v to 5.5v</p> <p>2.12. Current Consumption: 10mA typ.</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</p>	2	P5,350.00	P10,700.00

		<p>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 upconverter 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) 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. No payment shall be made for items not delivered under this contract.</p> <p>(Please see attached quotation.)</p>			
3	Unit	<p>DVB-T Receiver with antenna kit</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Three (3) Units of DVB-T Receiver with antenna kit 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. Can tune to signals from 500 kHz up to 1.7 GHz</p> <p>2.2. Sampling Rate: 3.2 MHz (2.4 MHz stable)</p> <p>2.3. Crystal Oscillator: 1 PPM TCXO</p> <p>2.4. Compatible with SDR#, HDSDR, SDR-Radio, GQRX or SDR Touch. Works on Windows, OSX, Linux, Android and computers like the Raspberry Pi</p> <p>3. ACCESSORIES</p> <p>3.1. One (1) portable multi-purpose dipole antenna set.</p> <p>3.1.1. The dipole set includes one (1) dipole base and telescopic antennas</p> <p>3.2. Extension cable</p> <p>3.3. One (1) Flex tripod mount</p> <p>3.4. One (1) Suction cup mount.</p>	3	P3,880.00	P11,640.00


	<p>4. WARRANTY AND AFTERSALES SUPPORT</p> <p>4.1. Any repair or replacement service must be successfully done within thirty (30) calendar days upon receipt of notice from DOST-ASTI.</p> <p>4.2. The end-user must be able to request technical support by phone, email, or through a website.</p> <p>4.3. The DVB-T receiver with antenna kit 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>5. DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered on or before 29 November 2024.</p> <p>5.2. 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>			
			TOTAL:	₱34,340.00
(Total Amount in Words)			Thirty Four Thousand Three Hundred Forty 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.
 Director, DOST-ASTI

Digitally signed by Benjamin R. Larr...

(Date)

Fund Cluster:	<u>01</u>	ORS / BURS No.: <u>021011012024-11-000999</u>
Funds Available:	<u>₱ 34,340.00</u>	ORS / BURS Date: <u>NOVEMBER 13, 2024</u> Amount: <u>₱ 34,340.00</u>
<p> GAY CONCEPCION S. BUGAGAO Accountant III</p>		



12 November 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, Santa Cruz
 Manila, 1003

Dear Mr. Sy,

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

Contract Name	: Supply and Delivery of Two (2) Units LiDAR module compatible with Raspberry Pi and Other Items
Purchase Request No.	: GAA-24-10-20097
Purchase / Work Order No.	: 24-11-264
Total Contract Price	: Php 34,340.00
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: Thirty Four Thousand Three Hundred Forty 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. Digitally signed by Franz A. De Leon
 Director

DATE OF ISSUANCE:

NOV 14 2024

RECEIVED BY:

 Signature over Printed Name

 Date and Time