



PURCHASE ORDER

ASTI – FM03-17
 REV 3 / 10 October 2023

Supplier:	JASSEN HARRIS INDUSTRIES CORP.	PO No.:	24-08-185
Address:	1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila	PO Date:	August 15, 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>4G LTE HAT for 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 Ten (10) Units of 4G LTE HAT compatible with Raspberry Pi Zero 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. Frequency Band</p> <p>2.1.1. LTE Cat-4: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66</p> <p>LTE-TDD: B34/B38/B39/B40/B41</p> <p>2.1.2. 3G: UMTS/HSDPA/HSPA+: B1/B2/B4/B5/B6/B8/B19</p> <p>2.1.3. 2G: GSM/GPRS/EDGE: 850/900/1800/1900 MHz</p> <p>2.2. GNSS</p> <p>2.2.1. Satellite Systems: GPS/Beidou/GLONASS/GALILEO/QZSS</p> <p>2.2.2. Receiver Type: 16-channel & C/A Code</p> <p>2.2.3. Sensitivity</p> <p>2.2.3.1. -159 dBm (GPS) / -158 dBm (GLONASS) / TBD (BeiDou)</p> <p>2.2.3.2. Cold Starts: -148 dBm</p> <p>2.2.4. Time-To-First-Fix (open air)</p> <p>2.2.4.1. Cold starts: <35s</p> <p>2.2.4.2. Hot starts: <1s</p> <p>2.3. SMS and Audio</p> <p>2.3.1. SMS Supported Types: MT, MO, CB, Text, PDU</p> <p>2.3.2. Audio Feature: Supports echo cancellation & supports noise reduction</p>	10	P6,600.00	P66,000.00

		<p>2.4. Other Technical Requirements</p> <p>2.4.1. Power Supply: 5V</p> <p>2.4.2. Operating Temperature: -30°C ~ 80°C</p> <p>2.4.3. Storage Temperature: -45°C ~ 90°C</p> <p>2.4.4. Dimensions: 65.00 × 32.00 mm</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 4G LTE HAT compatible with Raspberry Pi Zero 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 within thirty (30) calendar 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	Unit	<p>Lithium Iron Phosphate 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 Four (4) Units of Lithium Iron Phosphate (LiFePo) Battery 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: At least 30Ah (384Wh)</p> <p>2.2. Max Discharge Rate: 20A</p> <p>2.3. Max Charging Rate: 20A</p> <p>2.4. Charging Voltage: at least 14.4v</p> <p>2.5. Disconnect Voltage: at least 10v</p> <p>2.6. Approx. Size: W: 130mm L: 175mm H: 70mm</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 LiFePo Batteries 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 within thirty (30)</p>	4	₱5,790.00	₱23,160.00

		<p>calendar 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	Unit	<p>Charge Controller (10A)</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Four (4) Units of Charge Controller 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. Rated Charge and Discharge Current: 10A</p> <p>2.2. Battery Voltage Range: 8 ~ 32V</p> <p>2.3. MPP Voltage Range: (Battery voltage +2V) ~ 36V</p> <p>2.4. Working Environment Temperature: -25°C ~ +45°C (100% input and output)</p> <p>2.5. Storage Temperature Range: -20°C ~ +70°C</p> <p>2.6. Enclosure: IP30</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 Charge Controllers must have at least one (1) year of warranty from the time of delivery which covers defects in materials and workmanship.</p> <p>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 within thirty (30) calendar 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	₱2,985.00	₱11,940.00
				TOTAL:	₱101,100.00
(Total Amount in Words)			One Hundred One Thousand One Hundred Pesos Only		

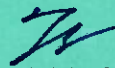
The contract price is inclusive of taxes and other fees or charges. In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s. Once the cumulative amount of liquidated damages 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: Franz A. De Leon
Benjamin R. L...

Fund Cluster:	<u>01</u>	ORS / BURS No.:	<u>021011062024-08-000673</u>
Funds Available:	<u>Php 101,100.00</u>	ORS / BURS Date:	<u>AUGUST 20, 2024</u>
		Amount:	<u>₱ 101,100.00</u>
 GAY CONCEPCION S. BUGAGAO Accountant III			



15 August 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

Dear Mr. Sy,

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

Contract Name	:	Supply and Delivery of ten (10) Units 4G LTE HAT for Raspberry Pi and Other Items
Purchase Request No.	:	GAA-24-07-19605
Purchase / Work Order No.	:	24-08-185
Total Contract Price	:	₱101,100.00
(Inclusive of taxes, import duties and all other charges or fees)		
Total Contract Price in Words	:	One Hundred One Thousand One 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 Franz A. De Leon
 DN: cn=Benjamin R. Lasa

DATE OF ISSUANCE:

AUG 22 2024

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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 Fax No. : +632 8426-9764

ASTI-FM 03-19
 REV 2 / 05 October 2023