



ASTI – FM 03-17
REV 2 / 31 January 2020

PURCHASE ORDER

Supplier:	Jassen Harris Industries Corporation	PO No.:	21-08-149
Address:	1063 Tomas Mapua St., Brgy. 329 Zone 33, Sta. Cruz, Manila	PO Date:	August 17, 2021
TIN:	009-248-102-000	Mode of Procurement:	NP: 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	Mobile Robot Platform - Advanced - Open source, ROS-based, fully-programmable mobile robot platform - Maximum translational velocity: 0.26 m/s - Maximum rotational velocity: 1.82 rad/s (104.27 deg/s) - Maximum payload: 30kg - Size (L x W x H): 281mm x 306mm x 141mm - Weight (+ SBC + Battery + Sensors): 1.8kg - Threshold of climbing: 10 mm or lower - Expected operating time: 2h - Expected charging time: 2h 30m - SBC (Single Board Computers): Raspberry Pi 3 Model B+ or better - MCU: 32-bit ARM Cortex®-M7 with FPU (216 MHz, 462 DMIPS) or better - Remote Controller: RC-100B + BT-410 Set (Bluetooth 4, BLE) - Actuator: XM430-W210 - LDS(Laser Distance Sensor): 360 Laser Distance Sensor LDS-01 - Camera: Raspberry Pi Camera Module v2.1 or better - IMU: Gyroscope 3 Axis, Accelerometer 3 Axis, Magnetometer 3 Axis - Power connectors: 3.3V / 800mA 5V / 4A 12V / 1A - Expansion pins: GPIO 18 pins Arduino 32 pin - Peripheral: UART x3, CAN x1, SPI x1, I2C x1, ADC x5, 5pin OLLO x4 - DYNAMIXEL ports: RS485 x 3, TTL x 3 - Audio: Several programmable beep sequences - Programmable LEDs: User LED x 4 - Status LEDs: Board status LED x 1 Arduino LED x 1 Power LED x 1 - Buttons and Switches: Push buttons x 2, Reset button x 1, Dip switch x 2 - Battery: Lithium polymer 11.1V 1800mAh / 19.98Wh 5C - PC connection: USB - Firmware upgrade: via USB / via JTAG	1	₱103,000.00	₱103,000.00

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;
Fax No. : +632 8426-9764

		<ul style="list-style-type: none"> - Power adapter (SMPS): Input : 100-240V, AC 50/60Hz, 1.5A @max Output : 12V DC, 5A - Inclusive of government taxes, delivery, etc. - Delivery: 60 days upon issuance of NTP <p><i>(Please see attached quotation.)</i></p>			
2	Piece	<p>Liquid Level Sensor - Digital</p> <ul style="list-style-type: none"> - Operating Voltage (InVCC): DC 5 ~ 24 V - Current Consumption: 5 mA - Output voltage (high level) : InVCC - Output voltage (low level) : 0V - Output current: 1 ~ 50 mA - Response time: 500 ms - Operating Temperature : 0 ~ 105 °C - Range for thickness of induction (sensitivity): 0 ~ 13 mm - Humidity: 5% ~ 100% - Material: ABS - Waterproof performance: IP67 - Dimension : 28 * 28 mm / 1.1 * 1.1 inches <ul style="list-style-type: none"> - Inclusive of government taxes, delivery, etc. - Delivery: 60 days upon issuance of NTP <p><i>(Please see attached quotation.)</i></p>	2	₱1,000.00	₱2,000.00
3	Piece	<p>Motherboard for Ender 3</p> <ul style="list-style-type: none"> - Dimension:100.75 x 70.25mm - Layer: 4 layers - MCU: At least ARM Cortex-M3 STM32F103RCT6 - Power input: DC 12 / 24V - Logic voltage: 3.3V - Motor driver: UART mode of on board TMC2209; - Motor drive interface: XM, YM, ZAM, ZBM, EM - Temperature sensor interface:TH0,THB,2 channels 100K NTC (thermal resistance) - Display:2.4 inch TFT, 3.5 inch TFT, Ender3 original LCD12864 screen, etc. - PC communication interface:mini-USB-B type, easy to plug and unplug, communication baud rate 115200 - Support file format: G-code - Includes motherboard, motor driver heatsinks, USB cable <ul style="list-style-type: none"> - Inclusive of government taxes, delivery, etc. - Delivery: 60 days upon issuance of NTP <p><i>(Please see attached quotation.)</i></p>	1	₱2,600.00	₱2,600.00
4	Piece	<p>All-metal Hotend for Ender 3</p> <ul style="list-style-type: none"> - Compatible with Ender 3 - Drop-in replacement - Improved aluminum cooling block - Titanium alloy heat block - Includes All-Metal Hotend, 0.4 mm MK8 Nozzle, Silicone Sock, Bowden Collet <ul style="list-style-type: none"> - Inclusive of government taxes, delivery, etc. - Delivery: 60 days upon issuance of NTP <p><i>(Please see attached quotation.)</i></p>	1	₱1,800.00	₱1,800.00

5	Piece	Level Spring for Ender 3 - Type: flat bed springs - Color: blue - Inner diameter: 8mm - Outer diameter: 4mm - Length: approx. 25mm - Quantity: 4pcs per set - Inclusive of government taxes, delivery, etc. - Delivery: 60 days upon issuance of NTP <i>(Please see attached quotation.)</i>	5	₱75.00	₱375.00
				TOTAL:	₱109,775.00
(Total Amount in Words)		One Hundred Nine Thousand Seven Hundred Seventy Five 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



(Date)

Fund Cluster:	<u>01</u>	ORS / BURS No.:	<u>011011012021-08-000476</u>
		ORS / BURS Date:	<u>August 18, 2021</u>
Funds Available:	<u>Php 109,775.00</u>	Amount:	<u>₱ 109,775.00</u>
<p>GAY CONCEPCION S. BUGAGAO</p> <p>Accountant III</p>			



17 August 2021

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	: Supply and Delivery of One (1) piece Mobile Robot Platform - Advanced and Other Items
Purchase Request No.	: GAA-21-06-11684
Purchase / Work Order No.	: 21-08-149
Total Contract Price	: Php 109,775.00
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: One Hundred Nine Thousand Seven Hundred Seventy Five Pesos

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.
 Director



DATE OF ISSUANCE:

RECEIVED BY:

 Signature over Printed Name

 Date and Time

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