



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

PURCHASE ORDER

Supplier:	Jassen Harris Industries Corporation	PO No.:	21-03-047
Address:	1063 Tomas Mapua St. Sta Cruz, Manila City	PO Date:	March 9, 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:	30 days upon issuance of NTP
Date of Delivery:		Payment Term:	Government Terms
		Warranty Term:	

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	pc	3-Dimensional Printer PLA Filament (black) 1.0 Specification 1.1 PLA 1.75 ±0.02mm 1.2 N.W: 1.0kg 1.3 Nozzle Temp: 190-230°C 1.4 Color: Black" Delivery terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	30	₱850.00	₱25,500.00
2	pc	3-Dimensional Printer PLA Filament (white) 2.0 Specification 2.1 PLA 1.75 ±0.02mm 2.2 N.W: 1.0kg 2.3 Nozzle Temp: 190-230°C 2.4 Color: White" Delivery terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	30	₱850.00	₱25,500.00
3	pc	3-Dimensional Printer PLA Filament (transparent) 3.0 Specification 3.1 PLA 1.75 ±0.02mm 3.2 N.W: 1.0kg 3.3 Nozzle Temp: 190-230°C 3.4 Color: Transparent" Delivery terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	30	₱850.00	₱25,500.00

4	pc	<p>3-Dimensional Printer PLA Filament (silver) 4.0 Specification 4.1 PLA 1.75 ±0.02mm 4.2 N.W: 1.0kg 4.3 Nozzle Temp: 190-230°C 4.4 Color: silver"</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	30	₱990.00	₱29,700.00
5	pc	<p>Single Board Computer/Microcomputer 5.0 Specification 5.1 Processor: 1.5GHz quad core 64-bit SOC ARM Cortex-A72 CPU 5.2 Memory: 4GB 5.3 Wireless Connectivity: 5.4 Bluetooth 5.0 BLE 5.5 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless 5.6 Ports/Pins: 5.7 USB 3.0 Ports 5.8 USB 2.0 Ports 5.9 Micro-HDMI ports (up to 4Kp60 support) 5.10 40 pin Microcomputer Standard GPIO Header 5.11 2-lane MIPI DSI display port 5.12 2-lane MIPI CSI camera port 5.13 4-pole stereo audio 5.14 Micro-SD card slot for loading operation System and serve as data storage 5.15 Power: 5.15.1 5V DC via USB-C connector with minimum 3A amperes current 5.15.2 5V DC via GPI header with a minimum 3A amperes current 5.15.3 PoE enabled</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	4	₱3,600.00	₱14,400.00
6	pc	<p>PH Level Sensor (3.3V to 5V) 6.0 Specification 6.1 Full range pH reading from .001 to 14.000 6.2 Accurate pH readings down to the thousandths place (+/- 0.02) 6.3 Temperature dependent or temperature independent readings 6.4 Flexible calibration protocol supports single point, 2 point, or 3 point calibration 6.5 Single reading or continuous reading modes 6.6 Data format is ASCII 6.7 Data Transmission Protocol: 6.7.1 UART asynchronous serial connectivity 6.7.2 RX/TX 6.7.3 I2C 6.8 Operating Voltage: 3.3V to 5V</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	4	₱5,000.00	₱20,000.00

7	pc	<p>Electronic Conductivity (EC) Sensor 7.0 Specification 7.1 Operating Voltage: +5.00 V 7.2 PCB Size: 45 × 32mm(1.77×1.26") 7.3 Measuring Range: 1ms/cm — 20ms/cm 7.4 Operating Temperature: 5 – 40 °C 7.5 Accuracy: < ±10% F.S (using Arduino 10 bits ADC) 7.6 PH2.0 Interface (3-pin SMD) 7.7 Conductivity Electrode (Electrode Constant K = 1,BNC connector) 7.8 Cable Length of the Electrode: about 60cm(23.62") 7.9 DS18B20 Temperature Sensor(Waterproof)</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	4	P5,000.00	P20,000.00
8	pc	<p>Ultrasonic Sensor 8.0 Specification 8.1 Operating voltage: DC3.0-5.5V 8.2 Static current: >8mA 8.3 Operating current: 30mA 8.4 Operating range: 20cm ~ 6m 8.5 Resolution: 1mm 8.6 Detecting Angle: < 75° 8.7 Operating Temperature: -20 ~ 70°C 8.8 Cable Length: 2.5m 8.9 Dimension: L42mm*W29mm*H12mm/1.26*0.87*0.36in</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	8	P800.00	P6,400.00
9	pc	<p>Digital Luminosity/Lux/Light Sensor Breakout 9.0 Specification 9.1 Light Range Detected: 0.1 – 40,000 lux on the fly 9.2 Operating temperature: -30 to 80 °C 9.3 Operating voltage: 2.7 to 3.6 volts 9.4 Interface: I2C 9.5 Board/Chip: I2C 7-bit addresses 0x39, 0x29, 0x49 9.6 With selectable jumpers 9.7 Can measure infrared, full-spectrum, and human-visible light</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	8	P600.00	P4,800.00

10	pc	<p>USB Camera Module</p> <p>10.0 Specification</p> <p>10.1 "Sensor: IMX179 or higher</p> <p>10.2 Pixel Size: 1.4um or higher</p> <p>10.3 Resolution: at least 8 megapixel or higher</p> <p>10.4 Max Resolution: Full HD or higher</p> <p>10.5 Connecting Port type: USB 2.0 High Speed or higher</p> <p>10.6 Compression: MJPEG/YUV2</p> <p>10.7 Power Supply: USB Bus Power Supply</p> <p>10.8 Compatible with Mac, Linux, Windows OS, Raspberry Pi OS</p> <p>10.9 Plug and Play</p> <p>10.10 Support IR Cut</p> <p>Additional Specs:</p> <p>10.11 Adjustable Parameters: Brightness, Contrast, Saturation, Hue, Sharpness, Gamma,</p> <p>10.12 Gain, White balance, Backlight Contrast, Exposure</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	8	₱4,000.00	₱32,000.00
11	pc	<p>Entry-Level 3-Dimensional Printer for Prototyping</p> <p>11.0 Specification</p> <p>11.1 Modelling Technology: Fused Deposition Modelling (FDM)</p> <p>11.2 Printing Accuracy: ±0.1 mm</p> <p>11.3 Maximum Print Size: 220 x 220 x 250 mm (8.7 x 8.7 x 9.8")</p> <p>11.4 Nozzle Diameter: 0.4 mm</p> <p>11.5 Nozzle Speed: 180 mm/s</p> <p>11.6 Compatible Filaments: 1.75 mm PLA, TPU, ABS, PETG</p> <p>11.7 Operating Systems: support Windows, Linux, MacOS</p> <p>11.8 Layer Thickness: 0.1-0.4 mm</p> <p>11.9 Compatible Software: Pro/E, Solidworks, Siemens UX, 3DS Max, Rhinoceros 3D</p> <p>11.10 Compatible Formats: .stl, .obj, .mpt, .mpf, .nc</p> <p>11.11 Ambient Temperature: 5 to 40% *C (41 to 104 *F)</p> <p>11.12 Nozzle Temperature: 255*C (491 *F)</p> <p>11.13 Heated Bed Temperature: 110 *C (230*F)</p> <p>11.14 Connectivity: USB2.0 or higher, SD, Flash storage</p> <p>11.15 Power Source: AC 100-256V 50-60Hz</p> <p>11.16 Supports Auto-resume print, spool holder MK10 HotEnd</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	1	₱13,500.00	₱13,500.00

12	pc	<p>Thermoelectric Peltier Cooling System 12.0 Specification 12.1 Suitable Semiconductor Chilling Plate: TEC1-12706 12.2 Material: Metal 12.3 Voltage: 12V 12.4 Electricity Current: 5.8A 12.5 Power: Qcmax 50-60W 12.6 Weight: 350g 12.7 Fan size: 92 x 92 x 25mm Package Included: - Cooling Fan - Fan Gauze - Guide cold plate - Radiator Thermoelectric Peltier Cooling System 12.0 Specification 12.1 Suitable Semiconductor Chilling Plate: TEC1-12706 12.2 Material: Metal 12.3 Voltage: 12V 12.4 Electricity Current: 5.8A 12.5 Power: Qcmax 50-60W 12.6 Weight: 350g 12.7 Fan size: 92 x 92 x 25mm Package Included: - Cooling Fan - Fan Gauze - Guide cold plate - Radiator</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	9	P600.00	P5,400.00
13	unit	<p>Male to Male Jumper/Connecting Wire 13.0 Specification 13.1 Jumper wire type: Male to Male 13.2 Number of pins: 40 13.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	14	P250.00	P3,500.00
14	unit	<p>Female to Female Jumper/Connecting Wire 14.0 Specification 14.1 Jumper wire type: Female to Female 14.2 Number of pins: 40 14.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	14	P250.00	P3,500.00
15	unit	<p>Male to Female Jumper/Connecting Wire 15.0 Specification 15.1 Jumper wire type: Male to Female 15.2 Number of pins: 40 15.3 Length: 3 inches</p> <p>Delivery terms: 30 days upon issuance of NTP</p> <p><i>(Pls see attached quotation.)</i></p>	14	P250.00	P3,500.00

16	pc	Polyvinyl Chloride (PVC) Pipes for Prototyping 16.0 Specification 16.1 Type: Schedule 40 Pipe 16.2 Schedule: Schedule 40 16.3 Opening Diameter Size: 1/2 inch 16.4 Length: 10 feet 16.5 Material: PVC 16.6 Max Pressure: at least 780 PSI 16.7 End Type: Plain-end pipe 16.8 Color: Blue/Black/White/Transparent Delivery Terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	13	₱1,000.00	₱13,000.00
17	pc	Schedule 40 Tee PVC Fitting/Socket for Prototyping 17.0 Specification 17.1 Type: Schedule 40 Fitting 17.2 Schedule: Schedule 40 17.3 Style: Tee 17.4 Opening Diameter Size: 1/2 inch 17.5 Connection Type: Socket 17.6 Material: PVC 17.7 End Type: Plain-end pipe 17.8 Color: Blue/Black/White/Transparent Note: Compatibility with a Schedule 40 1/2 inch opening diameter PVC pipe Delivery Terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	20	₱300.00	₱6,000.00
18	pc	Schedule 40 Plug PVC Fitting/Socket for Prototyping 18.0 Specification 18.1 Type: Schedule 40 Fitting 18.2 Schedule: Schedule 40 18.3 Style: Plug 18.4 Opening Diameter Size: 1/2 inch 18.5 Connection Type: Socket 18.6 Material: PVC 18.7 End Type: Plain-end pipe 18.8 Color: Blue/Black/White/Transparent Note: Compatibility with a Schedule 40 1/2 inch opening diameter PVC pipe Delivery Terms: 30 days upon issuance of NTP <i>(Pls see attached quotation.)</i>	20	₱300.00	₱6,000.00
				TOTAL:	₱258,200.00
(Total Amount in Words)		Two Hundred Fifty Eight Thousand Two 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)

ALVIN E. RETAMAR

Officer-in-Charge, DOST-ASTI


Digitally signed by
Callao Reynaldo Joseph
Aldacea Jr.
Date: 2021.03.10
12:32:21 +08'00'

(Date)

Fund Cluster:	<u>01</u>	ORS / BURS No.:	<u>011011012021-03-000121</u>
		ORS / BURS Date:	<u>March 11, 2021</u>
Funds Available:	<u>Php 258,200.00</u>	Amount:	<u>₱258,200.00</u>
GAY CONCEPCION S. BUGAGAO			
Accountant III			



09 March 2021

NOTICE TO PROCEED
 ALTERNATIVE MODE OF PROCUREMENT

Mr. MIKE JASSEN T. SY
 President
Jassen Harris Industries Corporation
 1063 Tomas Mapua St., Sta. Cruz
 Manila City

Dear Mr. Sy,

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

Contract Name	: Supply and Delivery of 3-Dimensional Printer PLA Filament (Black) and Other ICT Supplies
Purchase Request No.	: GAA-21-01-10775
Purchase / Work Order No.	: 21-03-047
Total Contract Price	: Php 258,200.00
(inclusive of taxes, import duties and all other charges or fees)	
Total Contract Price in Words	: Two Hundred Fifty Eight Thousand Two Hundred 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,

ALVIN E. RETAMAR
 Officer-in-Charge, DOST-ASTI

[Handwritten Signature]
Digitally signed by
 Callao Reynaldo
 Joseph Aldreco Jr.
 Date: 2021.03.10
 12:33:29 +08'00'

DATE OF ISSUANCE:

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
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