




Republic of the Philippines  
**ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY**  
La Paz, Iloilo City  
• Trunkline: (033)320-7190 • Telefax: (033)329-4274  
• Website: [www.isatu.edu.ph](http://www.isatu.edu.ph)



## **INVITATION TO BID FOR PROCUREMENT OF LABORATORY EQUIPMENT AND SUPPLIES Fund 101**

1. The Iloilo Science and Technology University through the **Fund 101** intends to apply the sum of **Php 1,460,000.00** being the Approved Budget for the Contract (ABC) to payments under the contract for **ISAT U GOODS-2021-09-071** Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Iloilo Science and Technology University now invite bids for the **Procurement of Laboratory Equipment and Supplies** Deliver of Goods is required within **3-4 months** and Bidders should have completed, within **the last five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. on Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".  
Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.
4. Interested bidders may obtain further information from **Iloilo Science and Technology University** and inspect the Bidding Documents at the address given below from **8:00 AM to 5:00 PM**.
5. A complete set of Bidding Documents may be acquired by interested Bidders from **October 1, 2021 to October 8, 2021** in the address stated below and upon payment of the applicable fee for the said Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Two thousand Pesos (Php. 2,000.00) only**. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
6. The **Iloilo Science and Technology University** will hold a Pre-Bid Conference at **3:30 PM, on Sept. 30, 2021** at **HRT Center of ISAT U** which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the address below on or before, **October 11, 2021 at 5:00 PM** All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 18**. Bid opening shall be on **October 12, 2021, 3:30 PM** at the **HRT CENTER of ISAT U**. Bids will be opened in the presence of the bidders' representatives who choose to attend in the address as stated below. Late bids shall not be accepted.
8. The **Iloilo Science and Technology University (ISAT U)** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
9. For further information, please refer to:

**MRS. MEDY B. CIASICO**  
PMO, BAC Secretariat Section  
Burgos St., La Paz, Iloilo City  
Tel No.: (033) 320-7190 loc 133  
Email: [bac@isatu.edu.ph](mailto:bac@isatu.edu.ph)  
Fax: (033) 329-4274  
Website: [isatu.edu.ph](http://isatu.edu.ph)

  
**DR. CORAZON C. CORBAL**  
BAC Chairperson  
Date issued: \_\_\_\_\_



## Section VII. Technical Specifications

SPECIFICATION		STATEMENT OF COMPLIANCE
ABC ( P 8,930,000.00)		[Bidders must state here either "Comply" or "Not Comply" of the individual parameters of each Specification statement corresponding performance parameter of the equipment. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that Evidence shall be in the form of manufacturer's un-audited literature, unconditional statements of specification and issued by the manufacturer, samples, independent test (if appropriate). A statement that is not supported by evidence subsequently found to be contradicted by the evidence presented by the Bid under evaluation liable for rejection. A statement in the Bidder's statement of compliance or the supporting evidence is found to be false either during Bid evaluation, post-qualification or during execution of the Contract may be regarded as fraudulent and the Bidder or supplier liable for prosecution.]

### Procurement for Fablab Equipment Fund 101

	Specification	UNIT	QTY	BRAND	Statement of Compliance
1	<p>Electronic Instruments</p> <p>12 units All in one instrument pro bundle</p> <p>Two-channel USB digital oscilloscope (100MS/s, 30MHz+)</p> <p>Two-channel arbitrary waveform generator (<math>\pm 5V</math>, 100MS/s, 12MHz+ bandwidth), 16-channel digital logic analyzer (3.3V CMOS and 1.8V or 5V tolerant, 100MS/s), 16-channel pattern generator (3.3V CMOS, 100MS/s)</p> <p>16-channel virtual digital I/O including buttons, switches, displays, and LEDs, Two input/output digital trigger signals, Two channel voltmeter, Network Analyzer with Bode, Nyquist, Nichols transfer diagrams of a circuit. The Network Analyzer has a range of 1Hz to 10MHz</p> <p>Spectrum Analyzer capable of power spectrum and spectral measurements (noise floor, SFDR, SNR, THD, etc.)</p> <p>Data Logger with exportable data and plot functionality</p> <p>Impedance Analyzer for analyzing capacitive and inductive elements, Protocol Analyzer with SPI, I2C, CAN, AVR, and UART</p> <p>Two programmable power supplies (0...+5V, 0...-5V)</p> <p>Stereo audio amplifier to drive external headphones or speakers with replicated Arbitrary Waveform Generator signals</p> <p>An available Software Development Kit for programming with Python and C++, and a toolkit for programming with LabVIEW</p> <p>MATLAB support for the Data Acquisition Toolbox</p> <p>Pro Bundle includes: BNC Adapter Board for the Analog Discovery</p> <p>BNC Oscilloscope x1/x10 Probes (Pair), Mini Grabber Test Clips (6-pack), Analog Discovery 2 and the following: One regular sized project box (without sticker sheet), One USB A to micro B programming cable, One 2x15 flywire signal cable assembly</p> <p>One 5-pack of 6-pin male headers, One ferrite cable snap-on</p>	units	12		
2	Software License	NI Multisim with Altiroute/Ultiboard - 1 Complete and 10 Students License (Standalone License)	Lot	1	
3	Software License	Solid Works Software - 1 Premium and 2 standard (Standalone License)	Lot	1	
4	Printer	3D Printer Pro Bundle <p>Dimensions: at least 495 x 585 x 780 mm, Build Volume: at least 330 x 240 x 300 mm, Print Temperature: Up to 280 °C</p> <p>Layer Resolution: 0.25 mm nozzle: 150 – 60 micron, 0.4 mm nozzle: 200 – 20 micron, 0.8 mm nozzle: 600 – 20 micron</p> <p>Print Speed: up to 24 mm<sup>3</sup> /s, XYZ Resolution: 6.9, 6.9, 2.5</p>	Set	1	



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		<p>micron, Swappable Print Cores, Open Filament System</p> <p>Print Head: Dual Extrusion with Soluble Support Material</p> <p>Heated Build Plate with Active Leveling, Software: Open source software/slicer Materials included for training (PLA, PVA, etc.) Materials: PLA, Tough PLA, Nylon, ABS, CPE, CPE+, PC, TPU 95A, PP, PVA, Breakaway, Third-Party materials, With complete accessories for the normal operation of the system, With automatic materials changer support (Pro Bundle), With continuing printing capability when stop/ during power outage and materials change</p> <p>Safety sensor Filament flow sensor (detects empty filament spool), NFC material detection (avoids mismatched materials)</p> <p>6 Materials storage with pre-feeders that allow automatic changeover And swap of materials during filament run outs Materials Station Conditions filaments to optimal quality and acts As a dry box with UMB-Out connector, With Fully enclosed chamber and air manager</p> <p>Certifications and Safety:</p> <p>Authority to sell from local philippine distributor</p> <p>EU declaration of safe unattended use CB Test certificate passed EC declaration of conformity (RED/ RoHSII/ REACH) Certified Point-of-Care medical 3D Printing tool UL 60950-1 standard.</p> <p>For Equipment: After Sales Services: 3 days Training seminar workshop, Support services after warranty period.</p> <p>Delivery Period: 30 days</p>				
5	Printer	<p>Professional Super Speed round cylinder UV printer for Water</p> <p>bottle print/cup print/can print by bottle printing machine,</p> <p>Printing diameter: at least 30MM-120MM, Taper drop:0-8 degrees,</p> <p>Printing length: at least 040MM-300MM, Printing speed: 60 units/ sec</p> <p>(based on 3.14 inch (80 mm) image (cmyk), Printing mode: Rotary, white, colored + varnish, Type of nozzle: EPSON</p> <p>Printing accuracy: 720x720 DPI, Printing color: BK,C,M, Y,W, varnish, Processing software: RIP software</p> <p>Delivery Period: 30 days</p> <p>Warranty Period: at least one year, free Repair and Maintenance including accessories and component within a warranty period.</p> <p>For Equipment</p> <p>After Sales Services: 3 days Training seminar workshop, support services after warranty period.</p>	set	1		
6	Machine	<p>Multi-functional circuit printer, Drilling, Soldering and Printing</p> <p>Drilling Spindle speed up to: 13,000 r/min, Power: 12V, 25W</p> <p>Supplied Substrate Material: FR1, Shank Diameter: atleast 3.175 mm, Working area: atleast 128 mm x 116mm, Soldering: Passive Size: Atleast 1005, Pin to Pin Pitch: atleast 20mil</p> <p>Soldering Iron temperature: atleast 180 Degree Celsius</p> <p>Printing: Board Thickness: atleast 3 mm, Pin to Pin Pitch: atleast 26mil, Supplied Substrate Material: FR4</p>	set	1		
7	Machine	<p>CNC Milling Machine,With ATC, 4th Axis and complete accessories</p> <p>Spindle: 5000-20000 RPM - 125W direct drive, Materials: ABS,</p>	set	1		



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nylon, FDA approved resins, plastics, hardwood and plywood, metals, and others, hardwood and plywood, Aluminum, and others, Table size 12.6 in. x 5.9 in., Work area: atleast 8.6 in. x 6.3 in. x 2.4 in., Max. Table Load: 6.6 lbs, Motion: Belt drive, maximum speed 120 IPM, Controlled: Via Virtual Controller lets you control it from a computer with a USB port with 10 inches touchscreen Controller, Automatic Tool Changer 10 slots umbrella tool holder, Kit supplies a pneumatic power drawbar that increases productivity and efficiency through push-button tool changes.  
90 psi to 120 psi (620 kPa to 840 kPa) compressed air source

4th Axis Kit, 4th Axis Driver and Installation Kit

Delivery Period: 30 days

Warranty Period: at least one year, free Repair and Maintenance including accessories and component within a warranty period.

For Equipment

After Sales Services: 3 days Training seminar workshop, support services after warranty period.

Warranty Period: at least one year, free Repair and Maintenance including, accessories and component within a warranty period.

Certification: Provide Authority to sell from the manufacturer and training, certificate to guarantee the aftersales support even after the warranty, For Equipment After Sales Services: 3 days Training seminar workshop, support services after warranty period.

Items must be new, not re-conditioned, includes complete installation and demonstration.

After sales services Free of Charge spare parts and technical service within the warranty period

**Delivery Period 3-4 months**

**Warranty Period : 1 year**