



Republic of the Philippines  
**BULACAN STATE UNIVERSITY**  
 City of Malolos

**BIDS AND AWARDS COMMITTEE FOR GOODS AND SERVICES**

16 June 2020

**Bid Bulletin No. 8**  
**Modification in the Technical Specification**

This Bid Bulletin no. 8 is being issued to modify or amend items in the Bidding Documents for the project – **Supply and Delivery of Fabrication Laboratory Equipment for Regional Development Center**. This shall form an integral part of the said Bidding Documents.

**I. TECHNICAL SPECIFICATIONS - LOT 1**

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 1 Industrial CO2 Laser Cutter, Engraver and Marker (3-in-one) using Metal Tube Laser Source with Cross-Platform Compatibility	<b>PC Connection:</b> USB 2.0	<b>PC Connection:</b> USB 2.0 and / or (Ethernet Cable and Wifi Connection)
	<b>Approximate Weight:</b> 325 lbs (147 kg)	<b>Required Weight:</b> 140 kg ± 10kg
	Universal Control Panel	Control Panel
	1-Touch Laser Photo	1-Touch Laser Photo or Equivalent Software
	Inclusive of Training Materials: Acrylic Sheet	Inclusive of Training Materials: Acrylic Sheet (Size not greater than build size different thickness)

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 2 Industrial CNC Router with Welded Steel Frame and Aluminum Deck	Processing Area: 60" x 98" (1524mm x 2500mm)	Processing Area: 1524mm x 2500mm with ± 5% tolerance
	Positioning Speed: 700ipm	Positioning Speed: 700rpm
	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 3 Digital CNC Milling Machine with Rotary Axis Unit and Spindle Rotation Speed of up to 15000 rpm	Weight: 15.43 lb (7kg)	Weight: 7kg with $\pm 5\%$ tolerance
	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.
	Inclusive of Tool bits	Inclusive of Tool bits: Compatible to the Machine

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 4 Professional FDM 3D Printer	Maximum System Size and Maximum Weight: 1800 x 1000 x 1500 mm, 227	Maximum System Size and Maximum Weight: 1800 x 1000 x 1500 mm, 280kg
	Maximum Build Size (XYZ): 254 x 254 x 254 mm	Minimum Build Size (XYZ): 254 x 254 x 254 mm
	Software: GrabCAD Print	Software: Slicer Software or equivalent
	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 5 Industrial FDM 3D Printer with Independent Dual Extruder and Aluminum Sheet Body Framework	Minimum Build Size: 330 x 320 x 205 mm	Minimum Build Size: LxWxH: 330 x 320 x 205 mm (LxW) should not be less than the above values
	Precision Layer Height: 50 microns	Precision Layer Height: 50 microns or Better
	Nozzle Diameter: 0.35 mm	Nozzle Diameter: within 0.2 - 0.6 mm
	Machine Dimension: 723 x 831 x 801 mm	Maximum Machine Dimension: 800 x 900 x 1000mm

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 6 Compact FDM 3D Printer	Filament diameter: 2.85mm	Filament diameter: (2.85 mm $\pm$ 0.05 mm) or (1.75mm $\pm$ 0.05 mm)
	*Additional requirement*	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the

		supplier in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.
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ITEM	FROM	TO
DOCUMENT 13 - ANNEX 7 Professional Handheld Structured Light 3D Scanner with Built in Battery, Touch Screen and Processor	Dedicated PC: Yes	Dedicated PC or Laptop: Yes

ITEM	FROM	TO
DOCUMENT 13 - ANNEX 9 Digital Embroidery Machine with LCD Touch Screen	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
Additional Requirements:	5. The items being offered must be available at prominent local appliance/electronics centers/distributors/etc., with branches operating nationwide.	This requirement was removed.

## II. TECHNICAL SPECIFICATIONS - LOT 2

ITEM	FROM	TO
Flatbed Finishing System with Conveyor and Automated Depth Control, Capable of Using Knives, Router Spindle, and Creasing Tools	Compressor	Compressor: Compatible to the Machine
	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
LARGE FORMAT PRINTER & CUTTER FOR MAPPING	Cutting Type: Drag knife with TurboCut and Tangential Emulation Modes	Cutting Type: Drag knife with TurboCut and Tangential Emulation Modes or equivalent cutting type

ITEM	FROM	TO
COMPACT FDM 3D PRINTER	Brand Reliability and Track Record	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Two (2) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
PROFESSIONAL HANDHELD STRUCTURED LIGHT 3D SCANNER with Built In battery, TOUCH SCREEN and PROCESSOR	Brand Reliability and Track Record: The brand of the machine offered should have already been installed in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.	Brand Reliability and Track Record: The brand of the machine offered should have already been installed by the supplier in at least Five (5) different entities in the Philippines. This is to ensure the reliability of the brand and the support of the manufacturer to the users of the offered machine.

ITEM	FROM	TO
INDUSTRIAL FDM 3D PRINTER with INDEPENDENT DUAL EXTRUDER and ALUMINUM SHEET BODY FRAMEWORK	Build Size: 330 x 320 x 205 mm	Build Size: LxWxH: 330 x 320 x 205 mm (LxW) should not be less than the above values
	Precision Layer Height: 50 microns	Precision Layer Height: 50 microns or Better
	Nozzle Diameter: 0.35 mm	Nozzle Diameter: within 0.2 - 0.6 mm
	Weight: 64Kgs	Weight: 64 kg with $\pm$ 5% tolerance
	Machine Dimension: 723 x 831 x 801 mm	Machine Dimension: 800 x 900 x 1000mm

ITEM	FROM	TO
Additional Requirements:	5. The items being offered must be available at prominent local appliance/electronics centers/distributors/etc., with branches operating nationwide.	This requirement was removed.

This Supplemental/ Bid Bulletin no. 8 is issued this 16<sup>th</sup> day of June 2020 for guidance and information of all concerned.

A handwritten signature in blue ink, appearing to read 'Joseph Roy Celestino', is written over the printed name and title.

**Assoc. Prof. JOSEPH ROY CELESTINO**

*Chairperson*

Bids and Awards Committee for Goods & Services