Standard Form Number: SF-GOODS Revised on: May 24, 2004

Republic of the Philippines University of the Philippines Mindanao

Mintal, Tugbok District, Davao City

22 July 2022

BID BULLETIN NO. 01 SUPPLY OF LABORATORY EQUIPMENT FOR THE IMPLEMENTATION OF TTBDO AUGMENTATION PROJECT PBM 2022-13

This Bid Bulletin is issued for the following:

Revisions in the <u>DELIVERY SCHEDULE & TECHNICAL SPECIFICATIONS</u>. Please refer to the attached Revised Schedule of Requirements and Technical Specifications.

For guidance of all concerned.

PROF. CLETO L. NAÑOLA JR.

Chair, Bids and Awards Committee for Goods

Received by the bidder:

Signature over printed name/Date received

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date, which is the date of delivery to the project site.

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TECHNICAL SPECIFICATIONS

Item	Specification		Statement of Compliance
FOURIER TRANSFORM INFRARED SPECTROPHOTOMETER	Interferometer:	Michelson interferometer (30°C incident angle)	
		Equipped with dynamic alignment system	
	Optical System:	Single Beam Sealed interferometer with desiccant	
	Beam Splitter:	Germanium-coated KBr	
	Light source:	High-energy ceramic Light source with 3 yrs. guaranteed	
	Detector:	DLATGS detector equipped with temperature control mechanism	
	Wavenumber range:	7800 to 350cm- 1	
	Wavelength Accuracy:	+0.1 cm -1	
	Resolution:	0.9,2,4,8, or 16 cm-1	
	S/N Ratio:	30,000:1 (Peak to peak, 4cm-1 resolution, around 2,100cm-1, 1 min integration)	
	Mirror Speed:	2.8mm/sec or better	
	Data Sampling:	Semiconductor laser with temperature control	
	Sample compartment:	Equipped with automatic accessory recognition mechanism	
	Accessories:		
	QATR Single Bound Diamond ATR for FTIR	Extended wavelength capability from 10,000 to 40 wavenumber	

	Sealed Liquid Cell with KBr Windows Spectral Library UPS Computer Control System	High spectral quality and high throughput capability Strong and durable monolithic diamond Capable of Handling liquid samples Spectral Signatures of chemicals, drugs, forensics 3KVA or better 1 set Branded computer with inkjet	
		printer	
JACKETED GLASS		5L Volume Capacity	
HYDROTHERMAL		With built-in Vacuum meter	
POLYMERIZATION REACTOR 5L	Capacity:	Explosion-proof Reaction Flask	
		With customizable volume (condenser + receiving flask)	
		Durable explosion proof induction motor Intelligent Control Panel with Digital Display Rugged steel reinforced PTFE agitator	
	Reflux unit:	Zero dead space detachable drain valve (PTFE) with knob to easily open and close Heavy-duty lockable casters, easy to	
		move around and with high stability with lock Heavy-duty stainless steel frame	
		Dual Jacketed model	
		Solvent resistant	

		Glassware are heat/cold/corrosion resistant Preferably Quartz Glass material for high temperature resistance Adjustable stirring rate
		Wide range of temperature operation of up to 200°C Capable of Oil Circulation Heating
		Large condenser cooling
A	CCESSORIES	Circulating Water/Oil Bath or Heater capable of heating up to 200°C Vacuum Pump
		Recirculating Chiller for low temperature setup