July 21, 2022

Bid Bulletin No. 1

Subject: SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT FOR GOLDEN RICE PB 22-03-17

This bid bulletin is being issued to reflect the changes in the Bidding Document and Technical Specifications for the Supply and Delivery of Laboratory Equipment for Golden Rice PB 22-03-17.

FROM	TO
Section II. Instruction to Bidders 19.4. The Project shall be awarded as follows: Option 1 – One Project having several items that shall be awarded as one contract.	**Section II. Instruction to Bidders** 19.4. The Project shall be awarded as follows: Option 3 - One Project having several items, which shall be awarded as separate contracts per item.
Technical Specifications Other Requirement: one (1) year warranty on all equipment	**Technical Specifications** Other Requirements: 1. one (1) year warranty on all equipment. 2. one (1) year or longer warranty on parts and services

Please be guided accordingly.

AURORA M. CORALES, PhD.
Chairperson, BAC for Goods and Services

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.
1	One (1) Unit Sonicator 25-L Capacity Dimensions: 640 x 360 x 370 mm maximum Capacity: 25 L Controller type: Digital Ultrasonic frequency: 53 KHz Temperature range: ambient to 85 deg celsius With Programmable timer Timer range: 1-99 min Operating environmental temperature: 20-35 deg celsius Outer housing materials: Stainless steel or better Interior tank material: Stainless steel Cover: Stainless steel with handle Ultrasonic power: 100W Heating power: 275W Degas power: 100W With Soundproof chamber Noise level: less than 60 decibels or lower (but will not compromise the ultrasonic power) Power requirements: 220V/50-60 Hz With drainage and valve (easy to close and open ball valve) With compatible AVR/UPS	

2	One (1) Unit Speed Vacuum Evaporator Dimension (maximum): 9 in (W) x 10.4 in (D) x 9 cm (H)/ 22.4 x 26.4 x 22.6 cm Overall depth (maximum): 13 in (33 cm) Transparent fiberglass lid PTFE-coated aluminum chamber or better PTFE-coated aluminum rotor included 24 holes that can accommodate 1.5 mL and 2.0 mL micro centrifuge tubes Built-in PTFE-coated diaphragm pump (with a vacuum of 160 mBar and displacement capacity of 5.5 L/min) 300-watt heater Microprocessor-controlled programming for run time either continually or in hours and minutes (0 to 99 hr and 0 to 59 min) and heat setting of 35 to 65 deg celsius in 0.1-degree increments The centrifugal motion of 1700 rpm (maximum) achieved by magnetic induction drive Analog vacuum gauge LCD for programming and actual temp/time display (touch screen or equivalent) with 75 mL glass trap or any compatible or equivalent container with compatible integrated diaphragm vacuum pump 230 V/50-60 Hz can accommodate rotors for microtubes and PCR plates Weight (kg): 10 kg (maximum) Other inclusions: 1 pc rotor for microtubes (1.5-2.0 mL) 1 pc rotor for PCR plates 1 unit compatible UPS (2 or 5 KVA)	
3	One (1) unit UV-Vis Spectrophotometer Light source: Double beam (with room light immunity to ensure accurate sample measurement even the sample lid is open Beam splitting system: Beam splitter Lamp source: Full spectrum Xenon flash lamp (80 Hz) source (with typical lifetime of 10 years) Detector: dual silicon diode detectors Optics: quartz overcoated optics	

	Optical design: Double beam Czerny-Turner Minimum sample volume: 0.10 uL Scan rate: 24,000 nm/min or better Measurement rate: 80 data points/sec or better Photometric range: 4 abs or higher Photometric display: ± 9.9999 Abs; ± 200.00% T Photometric reproducibility: Using NIST 930E filters at 465 nm - Maximum deviation at 1 Abs is <0.004 Abs or better; standard deviation for 10 measurements is <0.00050 Abs or better Using NIST 930E filters at 546.1 nm Maximum deviation at 0.5 Abs is <0.003 Abs or better; standard deviation for 10 measurements is <0.0030 Abs or better Photometric stability: 500 nm, 10 s signal averaging time (SAT), after 30 min warm up is < 0.0004 Abs/h Photometric noise: 500 nm, 1 s SAT; at 0 Abs is <0.00002 Abs, at 1 Abs is < 0.00012 Abs, at 2 Abs is < 0.0011 Abs; 260 nm, 1 s SAT, at 0 Abs is < 0.00002 Abs Baseline flatness: 200 to 850 nm, baseline corrected is 0.0004 Abs Monochromator: Czerny-Turner or equivalent Limiting resolution: 1.5 nm Wavelength range: 190-1100 nm Grating: Holographic (minimum), 27.5 x 35 mm, 1200 lines/mm, blaze angle 8.6 at 240 nm Wavelength accuracy: ± 0.06 at 541.94 nm Wavelength reproducibility: ± 0.01 nm Photometric accuracy: ± 0.0007 Abs (NIST 930E filters at 1 Abs) or better Wavelength resolution: selectable (0.1, 0.2 0.5, 1.0, 2.0 and 5.0 nm) Wavelength calibration: automatic Scanning speed: depending on the resolution Spectral bandwidth: 1.5 nm (fixed) Focused beam measurement: 1.5 x 1.0 nm Signal averaging: 0.0125-999 s Data interval: 0.15-5.0 nm	

	Repetitive scanning: 4800 data points per minute, maximum number of cycles: 999, maximum cycle time: 9999 min Stray light: at 198 nm (12 g/L KCl, TGA & BP/EP method) is 0.187% T at 220 nm (10 g/L NAI ASTM method) is 0.018% T at 370 nm (50 mg/L NaNO2) is 0.008% T Water resistant: IP 32 Sample compartment access: Top and front Electrical requirements: 240V; 50-60 Hz Operating conditions: 5-40°C at 15-80% relative humidity Instrument dimensions: 500 x 600 x 200 mm (width x depth x height) Other features Room light immunity (allows accurate sample measurement even the sample lid is open) Central control by PC (compatible with Microsoft Windows 10 Pro, 64-bit or equivalent) Supported by GLP software (depending on the brand of the unit) Dedicated instrument validation software Other inclusions: 3 pcs of 3.5 mL, 10 mm pathlength quartz cuvette 1 unit Laptop, windows 10, 64-bit 1 unit printer 1 unit 2KVA AVR	
	Other Requirements: **one (1) year warranty on all equipment** **one (1) year or longer warranty on all parts and services**	
	*******nothing follows*******	