

TECHNICAL SPECIFICATION FOR:

UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 4 September 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 18 September, 2019 1:35 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
1	1	<b>BRANDED &amp; BRAND NEW OUTLET FILTER FOR BUCHI SPRAY DRYER</b>				
		MUST BE COMPATIBLE WITH THE EXISTING EQUIPMENT Model: B-290				
2	1	<b>BRANDED AND BRAND NEW GLASS BEAD STERILIZER</b>				
		Temp. control range: 1000C~3000C				
		Temp. stability: ≤±5				
		Heating speed: ≤25 min				
		Heating well volume: Ø 40 x 80mm				
		Glass beads capacity: 150g				
		Cover material: green mineral wool or equivalent				
		Voltage: AC 220/AC 110V, 50/60Hz				
		Power: approximately 300W				
		Fuse: 250V, 2A/3A, 5 x 20				
		Dimensions: approximately 130 x 150x200mm				
		Net weight: approximately 2kgs				
		Warranty: One (1) year warranty on parts and two (2) years in services guided limited within the proper use of equipment.				
Training and Installation: On-site installation and training free of charge. Offer excludes civil works & other						

TECHNICAL SPECIFICATION FOR:

UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 4 September 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 18 September, 2019 1:35 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		accessories that may deemed necessary during installation.				
	<b>2</b>	<b>BRANDED AND BRAND NEW BENCHTOP pH METER</b>				
		pH Specifications:				
		pH range: 0 to 14 ±1000 mV				
		pH resolution:0.001 pH, 0.01 pH, 0.1 mV				
		pH accuracy (@25OC/77OF):±0.01 pH, ±0.002 pH				
		pH calibration: 5 points (Standard mode) 1.68, 4.01 (3.00), 6.86,7.01,9.18,10.01,12.45, and two custom buffers; 3 point (basic mode) 4.01; 6.86; 7.01;9.18;10.01				
		pH temperature compensation: ATC:-5.0 to 100.00C; 23.0 to 212.00F*				
		EC Specifications:				
		EC range: 0.00 to 29.00 µS/cm, 30.0 to 299.9 µS/cm, 3.00 to 29.99 mS/cm, 30.0 to 200.0mS/cm, up to 500.0mS/cm (absolute EC)**				
		EC resolution:0.01 µS/cm, 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm				
		EC accuracy (@250C/770F) ±1% of reading (±0.05 µS/cm or 1 digit, whichever is greater)				
		EC calibration: 1 point offset calibration (0.00 µS/cm in air), 1 point slope calibration in EC standard 84 µS/cm, 1413 µS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm and 111.8 mS/cm				

**TECHNICAL SPECIFICATION FOR:**

**UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT**

**DATE OF PREBID CONFERENCE:**

**Wednesday, 4 September 2019 10:30 AM**

**DEADLINE FOR SUBMISSION OF BIDS:**

**Wednesday, 18 September, 2019 1:35 PM**

**OPENING OF BIDS:**

**Will follow shortly after the deadline of the submission of bids**

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		EC temperature compensation: ATC (0.0 to 100.00C; 32.0 to 212.00F), NoTC				
		TDS specifications:				
		TDS range: 0.00 to 14.99 ppm (mg/L), 15.0 to 149.9 ppm (mg/L0, 150 to 1499 ppm (mg/L), 1.50 to 14.99 g/L, 15.0 to 100.0 g/L, up to 400.0 g/L (absolute TDS)**, with 0.80 conversion factor				
		TDS resolution:0.01 ppm, 0.1ppm, 1 ppm,0.01 g/L, 0.1 g/L				
		TDS accuracy: (@250C/77oF) ±1% of reading (±0.03 ppm or 1 digit, whichever is greater)				
		TDS calibration through EC calibration				
		TDS conversion factor: 0.40 to0.80				
		Salinity specifications:				
		Salinity range 0.0 to 4000.0% NaCl, 2.00 to 42.00 PSU, 0.01 to 42.00 PSU, 0.0 to 80.0 g/L*				
		Salinity resolution:m0.1% NaCl, 0.01 PSU, 0.01 g/L				
		Salinity accuracy (@250C/770F)±1% of reading				
		Salinity calibration: 1 point with HI 7037L 100% NaCl sea water standard (Other scales through EC calibration)				
		DO specifications:				
		DO range: 0.00 t0 45.pp ppm (mg/L) 0.0 up to 300.0% saturation				
		DO resolution: 0.01 ppm, 0.1% saturation				
		DO accuracy: ±digit, ±1.5% of reading				

TECHNICAL SPECIFICATION FOR:

UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 4 September 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 18 September, 2019 1:35 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		DO calibration: one or two points at 0% (HI 7040 solution) and 100% (in air)				
		DO temperature compensation: ATC: 0 to 500C; 32.0 to 122.00F				
		Salinity compensation 0 to 40 g/L (with 1 g/L resolution)				
		DO altitude compensation:-500 to 4000 m (with 100 m resolution)				
		Warranty: One (1) year warranty on parts and two (2) years in services guided limited within the proper use of equipment.				
		Training and Installation: On-site installation and training free of charge. Offer excludes civil works & other accessories that may deemed necessary during installation.				
	<b>3</b>	<b>BRANDED AND BRAND NEW HOT PLATE WITH MAGNETIC STIRRER</b>				
		Ceramic top board				
		Approximately 127 x 178mm plate size				
		Aluminum die-cast body				
		60-1150rpm				
		5-5500C				
		5000mL stirring capacity				
		maximum 11.34 kg withstand load				

TECHNICAL SPECIFICATION FOR:

UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 4 September 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 18 September, 2019 1:35 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		AC220 volts 50Hz 3A				
		Dimension (mm): 279.4 x196.9x108				
		Warranty: One (1) year warranty on parts and two (2) years in services guided limited within the proper use of equipment.				
	<b>4</b>	<b>BRANDED AND BRAND NEW ELECTRONIC TOP LOADING BALANCE</b>				
		Capacity: 4200g or higher				
		Minimum display: 0.01g				
		Repeatability: 0.01g				
		Linearity: ±0.02				
		Operating ambient temperature: 5-400C				
		Temp. coefficient sensitivity: ±10 (ppm/cCO				
		Pan size: approximately 160mm				
		Main body dimensions: 99 (w) x 260 (D) x 77 (H)				
		Weight: approximately 1.5kg				
		Power requirements: 12V, 1A or 6AA batteries				
		Warranty: One (1) year warranty on parts and two (2) years in services guided limited within the proper use of				

TECHNICAL SPECIFICATION FOR:

UPLB-S-078-09-19, SUPPLY, DELIVERY AND INSTALLATION OF BRANDED AND BRAND NEW VARIOUS LABORATORY EQUIPMENT

DATE OF PREBID CONFERENCE:

Wednesday, 4 September 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 18 September, 2019 1:35 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REVISED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		equipment.				
3	1	<b>BRANDED AND BRAND NEW EXHAUST MOTOR FOR EXISTING FUMEHOOD</b>				
		Materials for installation and service charge				
		Scope of works:				
		Installation of new exhaust fan motor				
		Standard fiber materials:				
		1) 1 pc 10' x 8" diameter fiber tube				
		2) 4 pcs elbow 8" diameter				
		Scope of work period:				
		Work completion within 30 to 90 calendar normal working days upon receiving P.O./ N.T.P.				

**Note:** Please fill-up applicable columns.

End-user:

\_\_\_\_\_  
Signature over Printed Name

Signature of Representative: \_\_\_\_\_

Name of Representative: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone/ Fax: \_\_\_\_\_

Email: \_\_\_\_\_