

**BATAAN PENINSULA STATE UNIVERSITY***Balanga City, Bataan***OFFICIAL BIDDING FORM**

Item No.	QTY	Unit	SPECIFICATIONS	OFFER; (Brand)	Unit Cost	Total Cost
1	1	LOT  Unit	<b>Animal Nutrition Laboratory Equipment</b> <b>Fiber Analyzer</b> is with advanced design, easy operation and flexible application. It can be used in conventional Weende method to analyze crude fiber and Van Soest analysis to wash the fiber. Applies to plant, feed, food and other agricultural products as well as the determination crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL) Features * Hidden solution barrel pull structure designed to facilitate dosing operation, provide the safest fiber analysis. * Corrosive liquid is not in contact with any pump body, to avoid waste discharge pump susceptible to corrosion phenomena. * The crucible recoil function designed to prevent sample in the crucible can not caking filtration. * With dosing overflow protection function to prevent dosing corrosive liquid overflow due to operator error, protect the safety of the operator. * Adjust the crucible heating power in time, enabling customers to control the heating rate easily and low down the energy consumption, ECO-friendly. * Having a built-in pre-heating function, greatly reducing the whole experiment time. * Provide five various specifications crucible specifications to meet the needs of different samples for standard configuration. * Can detect crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL). Measurement Range 0.1%~100% Sample Weight 0.5g~3g per piece Repeatability ≤0.4%(Craw Fiber Content below 10%) ≤1% (Craw Fiber Content above 10%) Capacity 6 pcs/batch Pre-heating Time 10~12min Heating To Boiling 13~15min Power Consumption 2.2KW Power Supply AC220±10%, 50Hz External Size (W*D*H) 776*476*644mm Package Size (W*D*H) 890*610*770mm Gross Weight 106kg			
2	1	Unit	<b>Laboratory Oven</b> (Perform routine applications simply and safely with Thermo Scientific™ Heratherm™ General Protocol Ovens, which provide an ideal heating and drying solution for research, clinical or industrial needs.) Features Operating temperatures from 50° to 250°C Automatic over-temperature alarm system Low overall energy consumption Built in timer Corrosion-resistant stainless steel chambers with rounded corners Large, easy to read vacuum fluorescent display Easy to use, microprocessor-controlled touch button operation Doors can be opened at over 180°C Specifications Amperage 13 A Controller Type Microprocessor control with vacuum fluorescent display Depth (English) Interior 23.2 in. Depth (Metric) Interior 59 cm Dimensions (L x W x H) 30.3 x 49.7 x 60.8 in. (77 x 126.1 x 154.5 cm) Frequency 60 Hz Height (English) 60.8 in. Height (English) Interior 51.5 in. Height (Metric) 154.5 cm Height (Metric) Interior 130.7 cm Length (English) 30.3 in. Length (Metric) 77 cm Temperature Stability ±0.5°C Timer ON / OFF Voltage 208/240 V			

			<p>Wattage 3240 w  Width (English) Interior 39.5 in.  Width (Metric) Interior 100.4 cm  Temperature (Metric) 50°C to 250°C  Capacity (Metric) 774 L  Dimensions (D x W x H) Interior 23.2 x 39.5 x 51.5 in. (59 x 100.4 x 130.7 cm)  Type Gravity Convection  Electrical Requirements 208/240 V 60 Hz  Width (English) 49.7 in.  No. of Shelves 2 supplied/39 max.  Width (Metric) 126.1 cm  Unit Size Each</p>			
3	1	unit	<p><b>Analytical Balance</b>- UniBloc one-piece force cell technology for fast response, high stability, and a long operational life  Easy Settings Enable Responsiveness and Stability to be Freely Changed; 5 settings adjustable  Balance Keys Windows® Function: Only a USB cable is needed to send weighing data to a computer  Power automatically turns off after a fixed or pre-set time for power saving  Password protection available to prevent change of menu settings by mistake  Equipped with both USB and RS232C ports, connectable to a PC or PLC (programmable logic controller)  Piece counting: You can set the unit weight of the sample (item to be weighed) and then &amp;quot;count&amp;quot; the number of pieces present  Percentage weighing: You can measure weights as a percentage of a reference weight  Specific gravity measurement: You can measure solid density and liquid density in this mode (with optional accessories)  Formulation mode: This mode is convenient when mixing a number of different samples together according to a formula  STABLO™-AP ionizer (optional) eliminates static electricity effects to provide highly reliable measurements without any time-consuming steps  Specifications  Capacity: 220 g  Minimum display: 0.1 mg  Repeatability: ≤0.1 mg  Linearity: ±0.2 mg  Stabilization time: approx. 3 secs, adjustable by R:S ratio  Temp coef sensitivity: ±2 ppm/°C (10°C to 30°C)  Pan size: 91 mm dia  Main body dimensions: 213 x 356 x 338 mm  Weight: 6 kg  Electrical: 12V, 1A</p>			
4	1	Unit	<p>Kjeldahl Digestion System- Feature 1.Anti-corrosion design: TEFLON coating on the surface, acid/alkali proof. 2.Heating uniform and fast: Adopt graphite block(antioxidant), heating faster and energy transfer faster, temperature between holes more uniform. 3.Safety protection: adopt unique air duct insulation tech, keep the temperature ultra low, protect operator  SH220F Graphite Digester includes globally advanced technology, features quick digestion, high efficiency and easy for use, etc., is widely used in such fields as food, medicine, agriculture, forestry,environmental protection, chemical engineering, biochemistry, as well as universities, research departments and so on, for sample digestion prior to the chemical analysis of soil, feed, plants,seeds, minerals etc., Characteristics: 20 positions, enhance working efficiency rapidly. It adopt advanced insulation technology, eco-friendly, reduce energy intensity maximum limitedly. Corrosion-resistant design. It adopt advanced PID temperature control technology, high accuracy heating up to 400°C only cost 25minutes. Multi-protection, Over-current protection, high temperature warning, overload protection. LCD display. It's used with microwave reaction system, pretreat for microwave digestion or removing acid after digestion. Linear and curve temperature rise mode, up to 5 stages temperature setting.  Specifications Temperature range Room temperature +5 - 450°C Temperature accuracy ±1°C  Heating method Infrared heating and high-purity graphite conduction Heating insulation method Ceramic fiber and unique air duct insulation technology Digestion tube capacity 300ml Capacity per batch 20pcs/batch Power supply 220 VAC±10% 50HZ Power 3600W Dimensions 515mmX421mmX211mm  Net weight 25Kg  Inclusive of 20 pcs – digestion tube 30ml # 203000000008</p>			
5	1	Unit	<p><b>Kjeldahl Distillation Unit</b>, Fully Automated Analysis Features- Complete microcomputer control Automatic completion of distillation, titration,calculation, printing, waste discharge and multiple protections, i.e.failure self-detection, hints of condensed water shortage, displacement of safety door and digestion tube and so on Large LCD Touch Screen Panel Large LCD touch screen gives easy visual operations and abundant information, enabling user to be fully aware of analysis conditions Visible titration cup design gives operator real-time control of the whole test process Steam flow is adjustable, satisfying different test requirements Reagent barrel comes with</p>			

			<p>fluid absence warning function, ensuring smooth operations and testing High accuracy dosing and charging, adopting 4 KNF pumps work for dosing, and measurement of liquid volumes, ensuring test results accuracy USB or RS485 interface is optional for PC connection Distilled liquid temperature is detected in real-time Emergency stop against temperature anomaly Double distillation model meets different experimental needs, to retard the speed of acid-base reaction Digestion tube fast drain function is used to avoid operator from coming into contact with hot reagents, for additional operator protection Printer is built in</p> <p>Specifications Measuring range 0.1mg to 240mg N Analysis time 5-10mins/sample Recovery <math>\geq 99.5\%</math> Reproducibility Average value relative error <math>\pm 0.5\%</math> Burette volume 1.0uL/step Sample capacity solid <math>\leq 5g</math>/sample, liquid <math>\leq 20mL</math>/sample Cooling water usage 1.5L/min Data storage 1800 groups Display LCD screen Power supply 220VAC<math>\pm 10\%</math>, 50Hz Power 2KW Net weight 38Kg Dimensions (WDH) 455 <math>\times</math> 391 <math>\times</math> 730 mm</p> <p>Inclusive of the following Hanon cf0100000000415, Catalyst tablets (1000pcs) Hanon S402, Exhausting System</p>			
6	1	Unit	<p><b>Muffle Furnace, 27L, 1100 deg C, Features;</b> Suitable for experiments of 1000°C or below Safety door lock cuts power when door is open Independent over temperature protection Auto-tuning function, temperature compensation Max temperature to 1200°C or working temperature to 1100°C (optional)</p> <p>Specifications Max temperature: 1100°C Working temperature: 300 to 1000°C Controller: Digital PID Timer: Up to 99 hr 59 mins Thermocouple: K type Internal materials: Ceramic fiber External materials: Steel plate with powder coating Insulation: Ceramic fiber/ceramic board Heater: Kanthal A 1, 4-sided heating Safety devices: Over temperature; over current; sensor error; door interlock Internal size WDH: 300 x 300 x 300 mm, 27L External size WDH: 580 x 590 x 780 mm Electrical: AC 220V, 50/60Hz, 4.6kW</p> <p>NOTE: Facility wiring must be able to support the maximum wattage required. 0</p>			
7	1	Unit	<p><b>UV-Vis Spectrophotometer, dual Beam with cuvettes</b>- Features</p> <p>Advanced double beam design Lamp correction and reference beam correction Lowest noise level and much less baseline fluctuation Excellent accuracy &amp; repeatability in photometry Patented wavelength drive technology for improved accuracy &amp; precision Extremely user-friendly interface Possibly the largest touch screen (10.1 inch) on the market True &amp; rich color &amp; high-resolution display 10-point projective capacitive touch screen offers Highly sensitive &amp; responsive touch control at your fingertip/nails Wide view angle for end user at different eye level Easily accessibly software control for all functions</p> <p>Specifications Functions and tests: Photometry Test, Quantitation Test, Spectrum scanning, File Management, System Utility, Performance Verification Optical System: Double Beam Light Source: Tungsten Lamp, Deuterium Lamp Detector: Silicon Photodiode Bandwidth: 1 nm - Wavelength range: 190 to 1100nm Accuracy: <math>\pm 0.3nm</math> (all Wavelength) <math>\pm 0.1</math> (at D2 656.1nm peak) Repeatability: <math>\leq 0.1 nm</math> Display: 0.1 nm Slew speed: 6000 nm/min Scan speed: 2 to 3200 nm/min Photometric range: -4 -4A, 0-400%T, 0-9999.9C Accuracy: <math>\pm 0.002A @ 0.5A, \pm 0.004A @ 1A, \pm 0.3\%T @ 0-100\%T</math> Repeatability: <math>\pm 0.001A @ 0.5A, \pm 0.002A @ 1A, \pm 0.1\%T @ 0-100\%T</math> Noise: <math>\leq 0.0003A</math> (500 nm) Stability: <math>\leq 0.0003A/hr</math> (500nm, 1 hour after preheating) Stray light: <math>\leq 0.03 \%T, (@220, 340 or 360 nm)</math> Baseline flatness: <math>\pm 0.0005A</math> Memory: 2 GB RAM, 64 GB (Build-in SSD storage), Unlimited (USB memory stick)</p> <p>Display: 10.5 inches color screen Keypad: Capacitive touch screen Printer: USB printer (in line with HP PCL3 GUI printing language) Port: USB-A x 3, USB-B x 1, HDMI, VGA, Bluetooth, WIFI, Ethernet LAN Holder Standard: 10 nm 4-cell holder 21 CFR Part 11: Optional Language/s: 10 language (English, German, Spanish, Portugese, Chinese, Japanese) Electrical: 100 – 240V AC, 50/60 Hz, 140W Dimensions/weight: 580 (W) x 420 (D) x 235 (H) mm/17 kg</p>			
8	1	Unit	<p><b>Forced Convection Oven, 49L- Features</b> Highly efficient fan motor circulates air inside the chamber for fast diffusion and excellent heat distribution Viewing window is made of triple layers of tempered safety glass Both the preset and current temperatures are displayed separately Stainless steel interior for easy cleanability Height adjustable shelves to accommodate a variety of samples Capacity: 49L Internal size (WDH): 350 x 400 x 350 mm External size (WDH): 520 x 560 x 810 mm Shelves: 2 as standard Temperature range: RT + 10°C to 200°C (Max 250°C) Temperature accuracy: 0.5°C Controller: PID controller; 5 pattern 18 step programmable Thermocouple: Type K Timer range: 99 hr 59 mins Insulation: Glass wool Door packing: High temperature silicone rubber Safety: Over current circuit breaker, Sensor alarm, Door heating cut Fan motor: 1/16 HP Heating capacity: 1 kW Power requirements: 220V, 50-60Hz, 1 Phase</p>			
9	1	Unit	<p><b>Seed Germination Chamber ( Climate Incubator)</b>- Features LED Display Magnetic door sealing. Microprocessor PID control, accurate and stable. CFC-free refrigerant, eco-friendly and highly efficient. Auto defrost without influence on the inner temperature. The three sides special glasses ensure good heat insulating ability and desired light intensity.</p> <p>Safety function: Over temperature protection. Auto-off protection and alarm for abnormal situation. Temperature sensor for open circuit or short circuit protection. Parameters can be saved automatically when power off or system error.</p> <p>Specifications Model BJPX-A400 Capacity 400L Lighting Type 2-side illumination Temp. Range Without illumination: 5~50 °C Temp. Fluctuation <math>\pm 0.3^{\circ}C</math> Temp. Uniformity <math>\pm 2^{\circ}C</math> Humidity Range With illumination: 50%~80%, Without illumination: 50%~90% Humidity Fluctuation <math>\pm 3\%RH</math> Lighting Illumination 0~6000 Lux Illumination Control 6 degree adjustable Ambient Temp. 5~35°C Continuous Working Time <math>\geq 180h</math> Consumption 2000W Power Supply AC220V <math>\pm 10\%</math>, 50Hz Shelves 3 pcs/adjustable Internal Size(W*D*H)mm 560*600*1200 External Size(W*D*H)mm 1000*730*1870 Packing Size(W*D*H)mm 1140*870*2040 Gross Weight(kg) 178</p>			

10	1	Unit	<b>7 cu. ft. Two-Door Direct Cool Ref, Extra Large Freezer Space-</b> Product Description: 7 cu.ft Two-Door Direct Cool Refrigerator Energy Efficient Compressor Consumes very minimal electricity only 100 watts Hard Refrigerator Top Reversible Door Light Bulb in ref Section Adjustable Wire Shelves Extra Large Freezer Space Bottom Vegetable Crisper Stainless Look Door Color Dimension: (h x w x d) 150 cm x 47 cm x 49 cm			
11	1	Unit	<b>Tabletop Autoclave Class N, 18L-</b> Adopting European N standard, with thermal vacuum and drying functions, it can be used for A-type hollow instruments and solid instruments. Thermodynamic vacuum guarantees elimination of cold air from the cavity and makes sure that reaches the optimal effect of sterilization. Specially design for dental clinic field, it could sterilize 12 pieces hand piece at same time, simply and efficiently. Microprocessor control, LED display and modularized panel for easy operation. Automatic malfunction detection system makes easy maintaining. Specifications Capacity: 18L Chamber size: 245 mm dia x 350 mm Sterilization class: Class N as per EN 13060 Sterilization temp: 121, 134°C Drying procedure: Dry heating Working pressure: 1.1 to 2.3 bar Max temperature: 145°C Control precision: 1°C and 0.1 bar Chamber material: SUS 304 Safety system: Hand lock door; Relief valve in case of over pressure; Pressure or temperature over load protection; Alarm for system failure Tray holders: 3 pcs on SS shelf External dimensions: 560*450*400mm Electricals: 110/220V±10%, 60/50Hz, 1500W			
12	1	Unit	<b>Laboratory Heating Machine Stainless Steel Electric-Heating Water Distiller-</b> Features Stainless steel material, adopt stamping and welding technology. Corrosion and ageing resistance, easy to operate, safe and durable. Model WD-5 Water Output ≥5 L/H Consumption 5 KW Power Supply AC110/220V, 50/60Hz External Size (Dia.*H)mm 310*700mm Package size(W*D*H) 360*360*820mm Gross Weight 7.5kg Note: Free installation provided the ff are ready for tapping: a) Correct water pressure b) Site with proper drainage c) All required tubulation and gate valve if needed  <p style="text-align: center;">*****nothing follows*****</p>			

**NOTE:**

1. All Entries must be typewritten
2. Delivery period within \_\_\_\_\_ calendar days
3. Warranty shall be for a period of six (6) months for supplies and materials, one (1) year for equipment from date of acceptance by the procuring entity.
4. Price validity shall be for a period of \_\_\_\_\_ calendar days
5. G-EPS Registration Certificate shall be attached upon submission of the quotation.
6. Bidders shall submit original brochures showing certifications of the product being offered.

After having carefully read and accepted your General conditions, I / We quote on the item / s at prices noted above.

\_\_\_\_\_  
Printed Name / Signature

\_\_\_\_\_  
Tel. No. / Cellphone no.

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E-mail Address