




Republic of the Philippines
CAVITE STATE UNIVERSITY
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SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS LABORATORY EQUIPMENT FOR THE UNIVERSITY (Remaining from EPA)



ABC: ₱3,748,700.00/ F101

Item No.	Unit	Specifications	Unit Price	Total Price
1	2 Units	2L Lab Rotary Evaporator Evaporation Apparatus with Motor Lift (CAS) <ul style="list-style-type: none"> - Design Temperature [°C]: - Water bath: RT-99°C; - Oil bath: RT-180°C; ±0.2°C - Working Pressure [pa]: <399Pa [3mmHg] - Ambient Temperature [°C]: 5-35°C - Ambient Relative humidity: ≤65% - Stirring Speed [rpm]: 10-200 - Rotary Flask Volume [L]: 2 - Sealing: PTFE - Flask Diameter [mm]: 24 I Standard - Collecting Volume [L]: 1-2 - Condenser Interface with Flask: 35 I Ball joint - Condensation Area [m²]: 0.17 - Standard Warranty 	160,000.00	320,000.00
2	1 Units	Inverted Microscope (MACAPUNO) <ul style="list-style-type: none"> - Long-life LED illumination - Wide and clear view trinocular - Applicable for live cell imaging in petri plates and micro plates or cell cultures - With 4-fold magnification: 2x, 10x, 20x, 40x magnification - Interference contrast - Mechanical stage with stage extension plate - Hemacytometer holder - Universal holder - Eye piece micrometer cross lines on X and Y - Stage micrometer for biological microscope - With pointer - Dust cover - Power cord - With digital camera and computer interface - Suitable for fluorescent observation - Two years warranty on parts and services 	450,000.00	450,000.00
3	1 Units	Refrigerated Centrifuge (CVMBS) <ul style="list-style-type: none"> - Tabletop Refrigerated centrifuge - Max speed: 15,300 rpm - Max RCF: 22,250 xg - Maximum capacity: 2,000 mL - Temperature setting: -10 to 40°C in 1°C increments 	700,000.00	700,000.00


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		<ul style="list-style-type: none"> - Cools up to 4°C in less than 10 minutes - Has rotors for 0.2, 1.5 and 2.0 ml tubes - Size: 70(W)x 63(D)x36(H) cm - Height with opened lid: 88.3 cm* - Weight: 83 kg to 87 kg - Power consumption and Head output: 710W, 2.6MJ/h - About 9W (power consumption in power saving mode) - Power requirements: single phase 220 ± 10% V 50/60Hz, 10A - Single phase 230 ± 10 % V 50/60Hz, 10A - Rated voltage and rated current: 220 V, 50/60 Hz: 3.8A, 230 V, 50/60Hz: 3.7A - Test standard: IEC61010-2-020 - Control system: Inverter Microprocessor control, Rotation speed, RCF, Time, acceleration/deceleration, Number of memories: 99 channels at the maximum (3 for direct invocation using the panel button) - Error and user message display: Lid open, Imbalance, Over speed, Motor, Speed sensor, temperature sensor, Lid rock, inverter, Abnormal temperature, Imbalance sensor <ul style="list-style-type: none"> - Two-year warranty <p>ADDITIONAL Rotors</p> <ul style="list-style-type: none"> <input type="checkbox"/> One (1) autoclavable angle rotor for 50 mL <ul style="list-style-type: none"> - and 15 mL conical tubes; compatible with the refrigerated centrifuge system <input type="checkbox"/> One (1) autoclavable swinging bucket rotor for <ul style="list-style-type: none"> - PCR plate, Micro plate and deep well plate; - compatible with the refrigerated centrifuge system <p>*Image as reference only</p> 		
4	2 Units	<p>UV Cleaner Box for PCR (CVMBS)</p> <ul style="list-style-type: none"> - Tabletop - Walls material Rear: stainless steel, - Sides: steel with chemical resistant powder coating - Front: glass (Euro glass) 	200,000.00	400,000.00

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		<ul style="list-style-type: none"> - Working surface material: Stainless steel - Open UV-lamp: 1 x 25W built-in bactericidal UV-C, TUV 25W 1SL/25 - Working surface: chemical resistant stainless steel - With bactericidal UV Lamp and UV recirculatory, digitally timed with 1 min increments - UV radiation level: 18 mW / cm² / sec - Radiation type: UV (λ = 253.7 nm), ozone-free - Digital time setting of direct UV exposure: 1 min 24hrs / non-stop (increment 1 min) - UV-recirculator: 1x25W (efficiency >99% per 1 hour) - Daylight lamp (for working area illumination): 1 x TLD-15W - Thickness of side panels: 2 mm - Thickness of upper front panel: 8mm - Thickness of screen: 4 mm - Optical transmission: 95% - UV protection: >96%, UV-protection film - Working area: 645 x 490 mm - Opening dimensions (fully raised protective screen): 645 x 190 mm - Safety features: Automatic open UV-lamp switch off when screen is open - Power outlets inside the unit: Inlet for cords and 1x Built-in socket, max 1000 W - Dimensions: at least 690 x 535 x 555 mm - Weight: 39kg to 43kg - Power Supply: AC100-240V 50/60Hz - Standard Warranty <p>*Image as reference only</p> 		
5	1 Unit	<p>UV Transilluminator with Camera Box for Gel Documentation (CVMB5)</p> <ul style="list-style-type: none"> - Material: painted aluminum - Dimensions: at least 50 x 35 x 32.5 (H x L x W) - View area: at least 26 cm x 21 cm 	500,000.00	500,000.00

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		<ul style="list-style-type: none"> - Camera box: With viewing window and a separate camera window compatible with DSLR camera - Camera: High resolution color CMOS - Resolution: 2048 x 1536 - Lens: F1.4 12mm Fixed focal lens - Zoom: 1x~8x 0.2x step / 1x step adjustable - Control: 10-inch touch LCD panel or PC software control - Filter: Orange filter (50 mm) - File format: 16-bit TIFF, 8-bit TIFF, BMP, JPEG - Exposure time: 1 msec~ 10 sec - Saturation: White level - Power: AC100V-240V 2A 50/60Hz (AC adapter) - Color mode/Monochrome mode selectable - Gel tray included - Standard Warranty  <p>*Image as reference only</p>		
6	1 Unit	<p>Digital pH Meter with pH Pen Tester for liquid solutions (CVMBS)</p> <p><i>Specifications:</i></p> <ul style="list-style-type: none"> - pH Range -2.00 to 16.00 pH - Resolution 0.01 pH - Accuracy ± 0.01 pH - Calibration Points Up to 5 (USA & NIST) / Up to 6 (DIN) - Buffer Options: USA, NIST, DIN - ORP Range ± 2000 mV - Resolution 0.1 mV ($< \pm 1000$ mV), 1 mV ($\geq \pm 1000$ mV) - Accuracy ± 0.3 mV ($< \pm 1000$ mV), 0.3% of reading ($\geq \pm 1000$ mV) - Calibration Option Yes - Temperature Range -30.0 to 130.0 °C / -22.0 to 266.0 °F - Resolution 0.1 °C/°F - Accuracy ± 0.5 °C / ± 0.9 °F - Standard Warranty 	100,000.00	100,000.00

Item No.	Unit	Specifications	Unit Price	Total Price
		 <p>*Image as reference only</p>		
7	1 Unit	<p>Nephelometer (CVMBS)</p> <ul style="list-style-type: none"> - Test type: Minimum Inhibitory Concentration (MIC) using 0.5 McFarland standard with LED indicator <i>Physical characteristics</i> - Approx. Instrument dimensions: 19 cm (W) x 13.5 cm(D) x 9.7 cm (H) 7.5 in (W) x 5.3 in (D) x 3.8 in (H) - Approx. Weight: 1 kg; 2.2 lb Electrical -Power requirements: 100-240 V AC; 400 mA - Power consumption: at least 15 watts - Standard Warranty  <p>*Image as reference only</p>	100,000.00	100,000.00
8	1 Unit	<p>Food Dehydrator Industrial (CAFENR)</p> <ul style="list-style-type: none"> - Power: 6000w 	70,700.00	70,700.00

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		<ul style="list-style-type: none"> - Fan power:36W - Outside dimensions of the body (without wheels) CM:53.5*93.4*168 - Inside size: Approx. 41*37.3*72.9 - Size of oil receiving plate: 40*30 - Shell material/thickness:201 0.8 - Visible glass material: tempered - Gross weight: Approx. 115KG - Net weight: Approx. 92KG - Number of fans:8 - Temperature range: 30-90 degrees - Time range: 30min-24 hours - Motor speed: 1250rpm - Plug/air switch:32A air switch - Lecon chef--Vertical Dehydrator With 80 Food Trays - Voltage: 220v/50Hz - Capacity:600L - Rated power:6000W - Dry as much as possible: - Multilayer grid - Intelligent control panel - Stainless steel - Standard Warranty 		
9	1 Units	Compensated Calorimeter (CAFENR) <ul style="list-style-type: none"> - Compensated Jacket calorimetry - Removable 1108P Oxygen Vessel and Bucket 4-7 tests per hour - Operator time per test is approximately 6 minutes - 0.1-0.2% precision class instrument - 0.0001 °C Temperature Resolution - 52-12000 calorie sample range dependent upon vessel selected - 0.05% Linearity across operating range - SD memory and TCP/IP network communications - USB Port for balance and printer connections - Updates via the Internet - approx. Dimensions (in) 23w x 16d x 17h - Standard Warranty 	700,000.00	700,000.00
10	1 Unit	Refrigerated Centrifuge (CAFENR) <p>Centrifuge Machine 2ml/5ml/10ml/15ml/50ml x 6</p> <ul style="list-style-type: none"> - Low Speed 500-4000rpm,2146xg RCF (relative centrifugal force) - Lab Benchtop Centrifuges with Timer - Large capacity 6 of 15ml conical tubes with screw caps - Speed regulation accuracy +30 r/min - Timing range 10s – 99min59sec - Noise: <60dB (A) - Voltage: AC 220V/110V – 50Hz 5A - Dimensions: 375*320*240mm (I*W*H) - Weight: 5.5 kg - Warranty: 2 years 	100,000.00	100,000.00

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		 <p>(Photo for reference only)</p> <ul style="list-style-type: none"> - Designed to maintain a constant temperature for ensuring the viability of heat-sensitive samples, refrigerated centrifuges are a staple in many labs. They are frequently used in biology, biochemistry, and clinical laboratories. 		
11	4 Units	Desiccator (CAFENR) <ul style="list-style-type: none"> - Chamber Volume (Liters) 10.5 - Plate Size (mm) 230 - Exterior Height (Inch Short) 15.5 - Exterior Height (cm) 39.4 - Clearance Above Plate (mm) 120 - Flange Outside Diameter (OD)(cm) 32 - Material Glass - Color Clear - Glass 9" dia. - Clear - Standard Warranty 	52,000.00	208,000.00
12	1 Units	Spectrophotometer – Optical System (CAFENR) <ul style="list-style-type: none"> - Single Beam, Grating 1200 lines/mm - Wavelength Range <ul style="list-style-type: none"> - 190~1100nm - 320~1100nm - Spectral Bandwidth <ul style="list-style-type: none"> - 2nm - 4nm - Wavelength Accuracy <ul style="list-style-type: none"> - ±0.5nm - Wavelength Repeatability <ul style="list-style-type: none"> - ≤0.3nm - Photometric Accuracy <ul style="list-style-type: none"> ±0.002A (0~0.5Abs), ± 0.004A (0.5~1.0Abs), ± 0.5%T (0~100% T) - Photometric Repeatability <ul style="list-style-type: none"> 0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2%T (0~100% T) - Stray Light <ul style="list-style-type: none"> ≤ 0.05% T @360nm; 220nm ≤0.05% T@ 360nm;220nm - Stability <ul style="list-style-type: none"> ±0.001A/h @ 500nm - Baseline Flatness 	100,000.00	100,000.00

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		$\pm 0.002A$ - Noise $\pm 0.0005A$ - Display 480*272 65 thousand true color TFT LCD - Standard Warranty		
Grand Total				₱3,748,700.00

CERTIFIED CORRECT:



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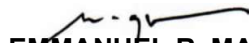
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