Republic of the Philippines



CAVITE STATE UNIVERSITY

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COLLEGE OF AGRICULTURE, FOOD, ENVIRONMENT AND NATURAL RESOURCES

Supply, Delivery and Installation of Laboratory Equipment and Materials for Institute of Food Science and Technology and Soils Laboratory

| Item No. | Qty. | Unit | Specifications | Unit Price (Php) | Total Price (Php) |
|-------------|------|------|---|---------------------|----------------------|
| 1 | 2 | unit | Food Dehydrator (for food technology laboratory) Voltage: 220V/60 Hz Power: 3000 kw Tray size: 50x5 cm Circular Capacity: 40-50kg Temperature Setting: 30-140°C 15 trays Machine size: Approximately 645x725x1435 mm to 655x735x1445 mm All equipment items are inclusive of calibration and preventive maintenance services for at least 2 years, and at least two-year warranty on parts and three-year warranty on services. With onsite demonstration and training for end-users | 108,000.00 | 216,000.00 |
| 2 | 2 | unit | Vertical Autoclave (for food technology laboratory) • Temp Range: Max 134°C (273°F) • Using Press: 0.21Mpa • Time Controller: Microprocessor Digital PID Controller • Sterling Time: 00.00 to 99HR 59MIN (MIN SEC) selectable • Pressure Gauge: Mechanical type 0 to 0.4 MPa • Sensor: PT-100 • Capacity: 100L • Dimension Internal: Approximately | 593,178.00 | 1,186,356.00 |

| | | | Dimension External (WxDxH): Approximately 600x780x1183mm / 23.62" x 30.71"x46.58" to 610x790x1193mm / 23.72" x 30.81"x46.68" Net Weight: Approximately 140Kg to 150Kg Material Internal: Stainless Steel Material External: Steel Plate with Powder Heating Coated Heater: 5KW Electrical Requirements (230V, 50/60Hz. 1Φ): 22.7A Accessory Wire Basket x 2EA Safety Device Automatic reset function incoming power cut Buzzer on when set time arrived Electric leakage circuit breaker Over temperature protection device Safety Door opening mechanism Water level sensor (water shortage alarm) All equipment items are inclusive of calibration and preventive maintenance services for at least 2 years, and at least two-year warranty on parts and services. With onsite demonstration and training for and years | | |
|---|---|--------|---|------------|------------|
| 3 | 1 | unit | onsite demonstration and training for end-users Laboratory Refrigerator (for food | 106,200.00 | 106,200.00 |
| | | UIIII. | technology laboratory) • External Size (W*D*H): Approximately 500*550*1300 to 510*560*1310 • Capacity: Approximately 130L to 140L • Temp Range: 2°C - 8°C • Temp Accuracy: 0.1°C • Control System: Microprocessor Control, Large Screen, LED Display • Alarm: Audible and visual alarm for – High and low temperature, Power failure alarm, sensor failure, Door ajar • Refrigerator Type: Forced air refrigeration system • Refrigerant: R600a, CFC free • Condenser & Evaporator: | 100,200.00 | 100,200.00 |

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| | | | Bundy tube condenser Defrost: Auto defrost Construction: Structure – Unibody design & Mono-assembly foaming (Rigid polyurethane insulation material) Internal Material – Embossed aluminum sheet External Material – PCM Shelves: 4pcs Door: Glass door with heat reflection film Consumption: 136W Power Supply: AC110/220V ± 10%, 50/60Hz Standard Accessory: LED lamp, shelves, door keys, USB port, probe access port (BPR-5V588 & BPR-5V1000) Gross weight: Approximately 51kg to 61kg All equipment items are inclusive of calibration and preventive maintenance services for at least 2 years, and at least two-year warranty on parts and three-year warranty on services. With onsite demonstration and training for end-users | | |
| 4 | 2 | unit | Bench Type Lab pH meter ph Range: 0.00 ~ 14.00pH ph Accuracy: ± 0.05pH Resolution: 0.01pH Calibration points: 2 points Calibration Solutions: USA (pH 4.01/7.00/10.01) MV Range: -1999 ~ 1999mV MV Accuracy: ±10mV Resolution: 1mV Temperature Compensation: 0 ~100°C, Manual Connector: BNC, 3.5 mm jack socket Display: Custom LCD Power Requirements: DC9V/400mA power adapter Dimensions (mm): Approximately 201*205*65 to 211*215*75 Net Weight (kg): Approximately 1.5 to 2.5 Package Size (W*D*H) mm: Approximately 310*240*180 to 320*250*190 Gross weight (kg): Approximately 1.7 to 2.7 | 60,000.00 | 120,000.00 |

| All equipment items are inclusive of calibration and preventive maintenance | |
|--|------------|
| services for at least 2 years, and at least two-year warranty on parts and services. With onsite demonstration and training for end-users | |
| 5 1 unit Soil oven (Vacuum Drying Oven) • Temp Range: Ambient +5°C to 250°C (Ambient +9°F to 482°F) • Time Range: 00.00 to 99HR 59MIN (MIN SEC) Selectable Digital Counter Timer • Vacuum resistance: 0 to 76 cmHg (0 to 0.1MPa) • Heating Type: Hot Air Jacketed • Temp & Time Controller: Microprocess PID Membrane Touch Digital controller • LED lamp: DC 24V, 1.2W, LED bar, Waterproof, Cool White • Heater Capacity: 990W • Dimension internal: Approximately 300 X 300 X 300mm to 310 X 310 X 310mm • (WXDXH): Approximately 31.81x11.81x11.81" to 11.91x11.9 | 405,813.60 |

| training for end-users | | |
|---|------------|------------|
| Texture analyzer Load Rated Capacity: Approximately 2.5kN/250kgf/550lbf to 3.5kN/260kgf/560lbf Number of ball screws: 1 Max data acquisition rate: 1000Hz Displacement Crosshead travel: 507 Resolution: 0.001mm (1micron) Accuracy: ±0.13mm per 300mm of travel Speed Speed Range: 0.01-1200mm/min 0.0004 – 4.72 in/min Resolution: 0.001 Accuracy: Better than ± 2% of indicated speed or ±20 microns/minute Dimensions Throat depth: Approximately 70.5mm to 80.5 Height: Approximately 941mm to 951mm Width: Approximately 290mm to 300mm Depth: Approximately 414mm to 424 Vertical Daylight: Approximately 588mm to 598mm Weight: Approximately 24kg to 34kg Electrical Supply Voltage: 230V AC 50Hz or 110V AC 60Hz Max Power: 250W Environment Specification Operating Temperature: 10°C - 40°C Operating Temperature: 10°C - 40°C Operating relative humidity: 30-80% non – condensing General Accessories TMS Extension Piece Set M6 50mm Adapter M3 30mm Adapter M3 10cking thumb nut TMS Standard Fixture Table Standard Test Table for easy configuration and alignment of TMS test TMS Anvil plate with T slot 16mm Crosshead extension | 247,928.40 | 247,928.40 |

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