

## LIST OF LABORATORY EQUIPMENT

### 1. 1-unit Cold Storage Top Freezer – ABC- Php. 16,000.00

#### Technical Specifications:

Top freezer, single door, inverter technology, Nano Deodorizer, LED Lighting, 2-way Fresh Room, Tempered Glass Shelves, High Rotation Speed Compressor, Adjustable Freezer/ refrigerator Room shelves, silent operation (at least 36 dB), extra eco function. At least 6 cu.ft; Rate input: **at least 140W**; inverter operation; no frost cooling system; automatic defrosting . Includes: industry standard warranty on parts and services, compatible AVR and training on equipment use.

### 2. 1-unit Alcohol Distiller – ABC – Php. 35,000.00

#### Technical Specifications:

35 Liters capacity, food grade 304 stainless steel, red copper condenser pipe, bucket size: 30cmx50cm, with accessories (100ml graduated cylinder, submersible pump, thermometer, raw material belt, alcohol meter, filter bag, check valve, silicone plug, ferrule, silicone tube, grate bracket and user manual)

### 3. 1-unit Wireless Weather System – ABC – Php. 148,000.00

Components: Sensor Suite and Console

#### Sensor Suite:

Operating Temperature: **<0° to >65°C**; Non-operating Temperature: **<0° to >70°C**

Current Draw : 0.14 mA (average)

Solar Power Panel : 0.5 Watts, plus 0.75 Watts with Fan-Aspirated

#### **Battery powered**

Fan Aspiration Rate

Intake Flow Rate, full sun: **80 to 190 feet/min. or better**

Sensor Chamber Flow Rate: **180 to 500 feet/min or better**

Connectors, Sensor : Modular RJ-11; Cable Type : 4-conductor, 26 AWG

Wind Speed Sensor: Solid state magnetic sensor

Wind Direction Sensor : Wind vane with potentiometer

Rain Collector Type: Tipping spoon

Temperature Sensor Type: PN Junction Silicon Diode

Relative Humidity Sensor Type : Film capacitor element

With UV sensor and solar radiation sensor

Housing Material: UV-resistant ABS, polypropylene

#### Console:

Operating Temp.: **0° to >60°C or better**; Current Draw : **0.9 mA to 30 mA or better**

AC Power Adapter : 5 VDC, 1000 mA, regulated; Battery type: 3C cells; Connectors : Modular RJ-11

Housing Material : UV-resistant ABS plastic; Console Display Type : LCD

Display Backlight : LED; Weight (with batteries) : **< 1kg**

Data Displayed on Console:

General data, Barometric Pressure, Clock, Dewpoint, Forecast, Heat Index, Humidity, Moon Phase, Rainfall, Rain Rate, Rain Rate, Solar Radiation, Sunrise and Sunset, Temperature, Temperature Humidity Sun Wind Index, Ultra Violet (UV) Radiation Dose, Ultra Violet (UV) Radiation Index, Wind Chill, Direction and Speed.

Inclusions: Complementary software for accessing, storing and managing data to computer, Windows supported

### 4. 1-unit Coffee/ Grain Grinder – ABC- Php. 35,000.00

#### Technical Specifications:

Heavy Duty; Food Grade Stainless Body and Hopper/Funnel; Rotating and Static disc: cast iron

Coarse and Fine regulating valve; Lock door screw; Speed: 1,420 rpm; Yield: 20-40 kg/h

Output Grind/Powder size: Min. No.50 mesh, Max: No. 200 mesh

Dimensions: 530 x 230 x 510 mm; Weight: 38kg (approx.)

Voltage: 220V; Power: 1.1 KW; With warranty

**GRAND TOTAL – Php. 234,000.00**