



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

February 28, 2024

Bid Bulletin No. 1

Name of Project:	2024-01G: Acquisition of Food Technology Laboratory Equipment for the Provision of Higher Education Services
ABC: Php2,570,000.00	

This Bid Bulletin No. 1 is issued to modify or amend items in the Bidding Documents for the above cited project. This shall form an integral part of the said Bidding Documents. The changes in the technical description shall also apply to the Schedule of Requirements and Price Schedules found in the Bidding Documents

Section VII. Technical Specifications

Item	From	To
1	<p>Heavy Metal Digester</p> <p>Temp. Range: RT+5°C~450°C Temp.Accuracy: ±1°C Capacity: 30pcs Digestive Tube Glass tube scale 50mL(full capacity 100mL) PTFEtube (full capacity 70mL) (standard 30pcs)</p> <p>Heating Mode Infrared heating and high purity graphite conduction</p> <p>Insulation Mode Ceramic fiber, split air duct insulation</p> <p>Display 7-inch high resolution color LCD screen</p> <p>Alarm Over temperature alarm</p> <p>Consumption 3.4KW</p> <p>Power Supply Standard: 220V±10%, 50/60Hz Optional: 110V±10%, 50/60Hz</p> <p><i>Inclusion</i> <i>with assembly/installation</i> <i>with at least 1 year warranty</i> <i>with after sales services</i> <i>with training</i></p>	No changes



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE

Office of Bids and Awards Committee

Pinaod, San Ildefonso, Bulacan, Philippines 3010

2	<p>System Sensory Booth with 3-seater 3300mmLx950mmWx2500mmH</p> <p>3 units Work Table, 1100x950x800 (LxWxH) Steel C Frame 2x2 Tubular with 2.0-gauge epoxy powder coated with heavy duty levelling Bolt. Material: 25mm HPL in marine plywood and PVC edging with steel 2x2 inches gauge powder coated with levelling foot adjuster Booth color matte gray (Munsell N4 to N6) 1100x950x1700 (LxWxH), Main Structure with melamine veneer with white rubberized epoxy paint Installed with 4 different lighting bulbs with covers: neutral, blue, green, red with light intensity 30–50-foot candles (322.93 to 538.21 lux) Light signal system green and red connects cabin and preparation room Installed with channel window with service duct, vertical sliding window in heavy duty rail guide. On/off panel for the lightning complete with electrical wiring and tapping to source. Water faucet SS304 complete with waterline, drain provision, valves, and fittings at least up to 3 meters and cupsink.</p> <p><i>Please see attached drawing**</i></p> <p><i>Inclusion</i> with assembly/installation with at least 1 year warranty with after sales services with training</p>	<p>System Sensory Booth with 3-seater 3300mmLx950mmWx2500mmH</p> <p>3 units Work Table, 1100x950x800 (LxWxH) Steel C Frame 2x2 Tubular with 2.0-gauge epoxy powder coated with heavy duty levelling Bolt. Material: 25mm HPL in marine plywood and PVC edging with steel 2x2 inches gauge powder coated with levelling foot adjuster Booth color matte gray (Munsell N4 to N6) 1100x950x1700 (LxWxH), Main Structure with melamine veneer with white rubberized epoxy paint Installed with 4 different lighting bulbs with covers: neutral, blue, green, red with light intensity 30–50-foot candles (322.93 to 538.21 lux) Light signal system green and red connects cabin and preparation room Installed with channel window with service duct, vertical sliding window in heavy duty rail guide. On/off panel for the lightning complete with electrical wiring and tapping to source.</p> <ul style="list-style-type: none"> • At least 1 booth has provision to accommodate an assessor in a wheelchair • Provision of counter on the serving area extending the whole length of the 3 booths (at least 2.1 meters in length) and width of at least 0.5 m. • Provision of closed cabinets with shelves from the floor to the countertop of the serving area. • Provision of individual exhaust ventilation ducts with filters located in each booth. Filters should be accessible for frequent changing. <p><i>Inclusion</i> with assembly/installation with at least 1 year warranty with after sales services with training</p>
3	<p>Thermal Imaging Camera Infrared Resolution: 160x120 pixels Object Temp. Range: -20°C to 500°C Operating Temp Range: -10°C to 85°C Included: Camera, 2 or more batteries, battery charger, lanyard strap, power supply, USB Cable USB 2.0 Can save up to 10,000 images</p>	No Changes



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
 Pinaod, San Ildefonso, Bulacan, Philippines 3010

	<p>Can withstand 2-meter drop onto concrete, and lightweight</p> <p>Led Flashlight: 300 Lumens</p> <p>Automatic Hot Detection: Head Detection mode (Hottest 20% of the of scene is colorized)</p> <p>Fully operational up to +500°F/+260°C (up to 3mins)</p> <p><i>Inclusion</i></p> <p><i>with at least 1 year warranty</i></p> <p><i>with after sales services</i></p> <p><i>with training</i></p>																	
4	<p>Syngas Analyzer</p> <p>Type: Multi-Analyser MFA 10.0</p> <p>Measuring range 0–100%</p> <table border="0" style="width: 100%;"> <tr> <td>H₂ in Ar</td> <td>H₂ in N₂</td> </tr> <tr> <td>He in Ar</td> <td>He in N₂</td> </tr> <tr> <td>CO₂ in Ar (0-50%)</td> <td>CO₂ in N₂</td> </tr> <tr> <td>Ar in CO₂ (50-100%)</td> <td>Ar in O₂</td> </tr> <tr> <td>CH₄ in Ar</td> <td>CH₄ in N₂</td> </tr> <tr> <td>O₂ in Ar</td> <td>O₂ in N₂</td> </tr> <tr> <td>O₂ in CO₂</td> <td>N₂ in Ar</td> </tr> <tr> <td></td> <td>N₂ in H₂</td> </tr> </table> <p>Measuring system thermal conductivity, long lifetime</p> <p>Gas inlet pressure min. 2.0 bar (dynamic), max. 10 bar (static)</p> <p>Flow rate 40 - 150 NI/h</p> <p>Resolution 0.01%</p> <p>Temperature (gas/environment) - -5 °C up to 45 °C</p> <p>Accuracy <1% end of measurement range</p> <p>Gas connections Inlet WITTFIX 6 mm Outlet WITTFIX 6 mm</p> <p>Alarm contacts 2 potential free contacts for min. and max. settings (adjustable for each gas)</p> <p>Interfaces USB, RJ45 Ethernet, analog output 4-20 mA</p> <p>Languages</p>	H ₂ in Ar	H ₂ in N ₂	He in Ar	He in N ₂	CO ₂ in Ar (0-50%)	CO ₂ in N ₂	Ar in CO ₂ (50-100%)	Ar in O ₂	CH ₄ in Ar	CH ₄ in N ₂	O ₂ in Ar	O ₂ in N ₂	O ₂ in CO ₂	N ₂ in Ar		N ₂ in H ₂	No Changes
H ₂ in Ar	H ₂ in N ₂																	
He in Ar	He in N ₂																	
CO ₂ in Ar (0-50%)	CO ₂ in N ₂																	
Ar in CO ₂ (50-100%)	Ar in O ₂																	
CH ₄ in Ar	CH ₄ in N ₂																	
O ₂ in Ar	O ₂ in N ₂																	
O ₂ in CO ₂	N ₂ in Ar																	
	N ₂ in H ₂																	



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE

Office of Bids and Awards Committee

Pinaod, San Ildefonso, Bulacan, Philippines 3010

	<p>multilingual</p> <p>Housing stainless steel, IP 54</p> <p>Voltage 100 - 230 V AC 50 - 60 Hz</p> <p>Power consumption 230 V AC / 0.175 A</p> <p>Certification: ISO 9001</p> <p><i>Inclusion</i> <i>with assembly/installation</i> <i>with at least 1 year warranty</i> <i>with after sales services</i> <i>with training</i></p>	
5	<p>Coarse raw fiber analyzer</p> <p>Measuring sample quantity: 6pcs / time</p> <p>Repeatability error raw fiber level < 10%, absolute value error $\leq 0.4\%$ raw fiber level >10%, absolute value error $\leq 4\%$</p> <p>Measuring time: about 100min (including acid 40min, alkali 40min, filter and wash 20min)</p> <p>Power: AC220V/50Hz,2800W</p> <p>Water supply: water pressure >1.5Mpa water temperature <20°C</p> <p><i>Inclusion</i> <i>with assembly/installation</i> <i>with at least 1 year warranty</i> <i>with after sales services</i> <i>with training</i></p>	No Changes

For the guidance and information of all concerned.


RONALD REAGAN T. ALONZO, Ph.D.
BAC Chairperson

www.basc.edu.ph / Email: info@basc.edu.ph
Telefax Nos: (044) 762-1427 / (044) 762-0120