



Republic of the Philippines
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
Bunawan, Agusan del Sur

Office of the Bids and Awards Committee

Supplemental Bid Bulletin No. 01

Project: Acquisition of Crops and Soil Laboratory Equipment

This Supplemental Bid Bulletin is issued to all prospective bidders to clarify, modify and/or amend items in the Bidding Documents as discussed and agreed during the Pre-bid Conference held on October 28, 2024 at 2:00 o'clock in the afternoon at the Board Room, ASSCAT, San Teodoro, Bunawan, Agusan del Sur.

A. Technical Specifications:

Original	Amendments
2. One (1) Unit – Laboratory Freezer Specifications: Controller Temperature Range: -10°C to -24°C; Stainless Steel Inner/Outer Cabinet External Dimensions: 2000mm H x 680mm W x 810mm D	2. One (1) Unit – Laboratory Freezer Specifications: Controller Temperature Range: -10°C to -24°C; Stainless Steel Inner/Outer Cabinet Capacity: 250-300 liters
4. One (1) Unit – UV-Spectrophotometer Specifications: Wavelength Range: ☐ Range: 190 to 1100 nm ☐ Spectral Bandwidth ☐ Value: 1.8 nm ☐ Optical System ☐ Type: Double beam, C-T monochromator ☐ Grating: 1200 L/mm holographic grating Wavelength Accuracy ☐ Accuracy Range: ±0.3 nm ☐ Wavelength Repeatability	4. One (1) Unit – UV-Spectrophotometer Specifications: Wavelength Range: ☐ Range: 190 to 1100 nm ☐ Spectral Bandwidth ☐ Bandwidth Value: 1.0-1.8nm ☐ Optical System ☐ Type: Double beam, C-T monochromator ☐ Grating: 1200 L/mm holographic grating Wavelength Accuracy ☐ Accuracy Range: ±0.3 nm ☐ Wavelength Repeatability



Republic of the Philippines
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
 Bunawan, Agusan del Sur

Office of the Bids and Awards Committee

☐ Repeatability Range: 0.2 nm ☐ Wavelength Resolution ☐ Resolution: 0.1 nm Calibration ☐ Type: Automatic calibration after startup Measuring Range ☐ Transmittance: 0 to 200% T ☐ Absorbance: -0.301 to 4.000 Abs ☐ Transmittance Accuracy ☐ Accuracy Range: $\pm 0.3\%$ T ☐ Transmittance Repeatability Repeatability Range: 0.1% T ☐ Light Source ☐ Type: Tungsten lamp, Deuterium lamp ☐ Stray Light ☐ Maximum Stray Light: $\leq 0.05\%$ T @ 220 nm, 360 nm ☐ Light Switching Point ☐ Range: 294 nm to 365 nm (adjustable) ☐ Display ☐ Type: 320×240 mm Blue LCD display ☐ Baseline Flatness ☐ Flatness Range: $\leq \pm 0.001$ Abs ☐ Baseline Drift	☐ Repeatability Range: 0.2 nm ☐ Wavelength Resolution ☐ Resolution: 0.1 nm Calibration ☐ Type: Automatic calibration after startup Measuring Range ☐ Transmittance: 0 to 200% T ☐ Absorbance: -0.301 to 4.000 Abs ☐ Transmittance Accuracy ☐ Accuracy Range: $\pm 0.3\%$ T ☐ Transmittance Repeatability Repeatability Range: 0.1% T ☐ Light Source ☐ Type: Tungsten lamp, Deuterium lamp ☐ Stray Light ☐ Maximum Stray Light: $\leq 0.05\%$ T @ 220 nm, 360 nm ☐ Light Switching Point ☐ Range: 294 nm to 365 nm (adjustable) ☐ Display ☐ Type: LCD display ☐ Baseline Flatness ☐ Flatness Range: $\leq \pm 0.001$ Abs ☐ Baseline Drift
---	---



Republic of the Philippines
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
 Bunawan, Agusan del Sur

Office of the Bids and Awards Committee

☐ Drift Rate: ≤ 0.0005 Abs / half hour (after warm-up at 500 nm) ☐ Sample Holder ☐ Type: Fixed 2 trench sample holder ☐ Cuvettes: ☐ 4 or more Quartz cuvettes (10 mm optical path) ☐ 4 or more Glass cuvettes (10 mm optical path) 5. One (1) Unit – Incubator (4 to 40 degrees) <i>Specifications:</i> Performance Description: • Reduced power consumption up to 72% with the adoption of a low power consumption fan that suppress heat generation, and a control method changed according to room temperature • Energy-saving operation (ECO Mode) contributions to power consumption & CO₂ reduction • Two control types available: ECO Mode for energy-saving operation, & CONT mode for highly accurate temperature control Design: • Equipped with a program temperature controller for the gradient adjustment up to 8 segments, 1 or 2 steps, & a 24-hour cycle program • Equipped with an inner door as a standard Installed with cable holes on the side of the main body for other accessories such as a shaker or temperature sensor	☐ Drift Rate: ≤ 0.0005 Abs / half hour (after warm-up at 500 nm) ☐ Sample Holder ☐ Type: Fixed 2 trench sample holder ☐ Cuvettes: ☐ 4 or more Quartz cuvettes (10 mm optical path) ☐ 4 or more Glass cuvettes (10 mm optical path) 5. One (1) Unit – Incubator <i>Specifications:</i> Performance Description: • Reduced power consumption up to 72% with the adoption of a low power consumption fan that suppress heat generation, and a control method changed according to room temperature • Energy-saving operation (ECO Mode) contributions to power consumption & CO₂ reduction • Two control types available: ECO Mode for energy-saving operation, & CONT mode for highly accurate temperature control Design: • Equipped with a program temperature controller for the gradient adjustment up to 8 segments, 1 or 2 steps, & a 24-hour cycle program • Equipped with an inner door as a standard Installed with cable holes on the side of the main body for other accessories such as a shaker or temperature sensor
--	--



Republic of the Philippines
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
 Bunawan, Agusan del Sur

Office of the Bids and Awards Committee

• Convection Method: Forced convection • Temperature Range: -10 ~ 60°C • Temperature Control Accuracy • ECO Mode: $\pm 1.5^{\circ}\text{C}$ (during freezer ON-OFF controlled) $\pm 0.1 \sim 0.2^{\circ}\text{C}$ (during heater controlled) • Space Temp. Deviation: 0.7°C or less • Temp. Gradient: 1.5°C or less (at 37°C) • Temperature Control - ECO Mode: Automatic defrost (auto/timer) • Manuals defrost • Timer: Auto start, Auto stop, Auto start + Auto stop • Program Function: 1-step / 2-step program, 24-hr cycle program, • Temperature gradient (up to 8 steps) 8. One (1) Unit – Centrifuge <i>Specifications:</i> Universal centrifuge with wide assortment of rotor options, 10 to 100 ml tubes, Max speed: 18000 rpm, Max RCF: 23545 xg, Max volume: 4 x 100 ml, Speed range: 200 to 18000 rpm, Microprocessor with large LCD display	• Capacity: 150-200L • Convection Method: Forced convection • Temperature Range: -10 ~ 60°C • Temperature Control Accuracy • ECO Mode: $\pm 1.5^{\circ}\text{C}$ (during freezer ON-OFF controlled) $\pm 0.1 \sim 0.2^{\circ}\text{C}$ (during heater controlled) • Space Temp. Deviation: 0.7°C or less • Temp. Gradient: 1.5°C or less (at 37°C) • Temperature Control - ECO Mode: Automatic defrost (auto/timer) • Manuals defrost • Timer: Auto start, Auto stop, Auto start + Auto stop • Program Function: 1-step / 2-step program, 24-hr cycle program, • Temperature gradient (up to 8 steps) 8. One (1) Unit – Centrifuge <i>Specifications:</i> Universal centrifuge with wide assortment of rotor options, 10 to 100 ml tubes, Max speed: 18000 rpm, Max RCF: 23545 xg, Max volume: 4 x 100 ml, Speed range: 200 to 18000 rpm, Microprocessor with LCD display
--	--



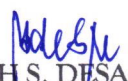
Republic of the Philippines
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY
Bunawan, Agusan del Sur

Office of the Bids and Awards Committee

B. Bid Data Sheet:

Original	Amendments
For this purpose, contracts similar to the Project shall be: a. Crops and Soil Laboratory Equipment. b. Completed within 3 years prior to the deadline for the submission and receipt of bids.	For this purpose, contracts similar to the Project shall be: a. Laboratory Equipment. b. Completed within 3 years prior to the deadline for the submission and receipt of bids.

For guidance and information of all concerned.


RUTH S. DESAMPARO, MPA
BAC Chairperson