



ADDENDUM NO. 01

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the **Provision of Machinery and Technical Scientific Equipment for the Operation of DABIOTECH-C2003**. This shall form an integral part of the Bid Documents.

Name of Project: **Provision of Machinery and Technical Scientific Equipment for the Operation of DABIOTECH-C2003**
 Location: CSU Campus, Ampayon, Butuan City
 Brief Description: Provision of Machinery and Technical Scientific Equipment for the Operation of DABIOTECH-C2003
 Approved Budget for the Contract : **Php. 4,220,000.00**
 Source of Funds: TRF 2020
 Contract Duration: 60 Calendar Days

Please be informed of the changes in the Bidding Documents, as follows:

Changes/ Amendment				
FROM		TO		
BID DATA SHEET				
28.3(a) Partial bid is not allowed		28.3(a) Partial bid is allowed		
COST PER ITEM				
No.	Description	Qty	Unit	Unit Cost
1	AUTO TENSILE STRENGTH TESTER *Load cell capacity: Minimum of 200N. *Accuracy: 1% of reading value. *Test speed: 50-500mm/min. *Number of specimens: 1. *Specimen width: 30mm (standard grip). *Sample clamp: manual. *Stroke: 600mm. *Instrument dimension (L x W x H): 450mm x 580mm x 1100mm (+/- 50 mm of the indicated size) *Power supply: AC 220V, 50Hz. *Net weight: Minimum of 61kg. *Standard config.: mainframe, professional software, universal grips, and communication cable; *Instrument is controlled by micro-computer with menu interface. *PVC operation panel and large LCD display; *Equipped with RS232 port and micro-printer port which is convenient to the data transmission and PC connection.	1	Unit	₱550,000.00
2	COMPOUND BINOCULAR MICROSCOPE WITH BUILT-IN CAMERA *Has plan achromat 4x, 10x, 40x, and 100x oil objectives. *Can capture precise image. *With complete digital microscope system with a camera that can output via WiFi to a phone, tablet, device, or USB to your computer. *The camera included with this microscope features a Sony IMX334 CMOS sensor that captures images at 8.0 M.P. *Head: Binocular 30° inclined and rotatable 360°. *Eyepiece: 10x 20mm FOV. *Nosepiece: Reversed, quadruple.	1	Units	₱150,000.00



BIDS AND AWARDS COMMITTEE (BAC)

	<ul style="list-style-type: none"> *Condenser: 1.25 N.A. *Stage: Rackless mechanical stage. *Focusing: Coaxial coarse/fine focus system with limit stopper and torque adjustment. *Illumination: LED Illumination variable with cord holder. *Camera specifications; *Mas resolution: 3840 x 2160 (8,294, 400 Pixels) (minimum) *Sensor size: 1/1.8" *Pixel size: 2.0 um x 2.0um or higher *Dynamic range 72 db (non-HDR Mode). *Exposure: 3.9ms - 320ms, automatic & manual. *White balance: real-time auto, single auto, manual. *Max transmission frame rate: USN mode: 30FPS @3840x2160, 2592x1944, 1920x1080, 1024x768, 640x480. Wifi Mode: 30FPS@3840x2160, 2592x1944, 1920x1080, 1024x768, 640x480. 			
3	<p>DIGITAL DRY BATH</p> <ul style="list-style-type: none"> *Temperature range: ambient 5-150°C. *Temperature display resolution: 0.1°C, 4-digit LED. *Temperature uniformity: ±0.2°C at 37°C. *Temperature accuracy: ±0.3°C. *Block chamber: stainless steel. *Single block unit: one standard block. *Minimum Dimensions (W x D x H): 7.9 x 10.4 x 3.3in/ 20 x 28.4 x 8.4cm *Weight range: 2kg - 2.5kg *Footprint: 7.9 x 10.4in/20 x 28.4cm. *Electrical: 230 V, 50/60 Hz, 0.8 A, Fuse 1.5 A. Inclusion: 1.5 ml heating block 	1	Units	₱150,000.00
4	<p>GEL DOCUMENTATION SYSTEM</p> <ul style="list-style-type: none"> *Workflow reproducibility: 100% repeatability via recallable protocols, from image capture to quantitative analysis and reports. *Workflow automated selection: application-driven; user-selected or recalled by a protocol. *Workflow automated execution: controlled by a protocol via application-specific setup for image area, illumination source, filter, analysis, and reporting. *Detector: CCD. *Illumination control: trans-UV, trans-white. *Maximum sample size: 11.2 x 15cm. *Maximum image area: 11.2 x 15cm. *Excitation source: trans UVB (302 nm peak). *Dynamic range: >3.0 orders of magnitude. *Image resolution: 1.4 megapixels (1392 X 1040 pixels). *Autoexposure: intense or faint bands. *Should be user-friendly; one-touch button for Imaging. *Should have dynamic flat fielding. *Uses smart-tray technology for application flexibility and automatic recognition of sample trays. *Can accommodate nucleic acid and protein gels. *Can facilitate stain-free imaging for protein gels. *Can be used for colorimetry, stain-free and fluorescence. *Software; *Operating system of windows XP or windows 7 (32- or 64-bit). *Free to download for ease of access if multiple users (no need for license). *Can perform accurate molecular weight analysis. *Capable of total protein normalization of protein blots. *Autoexposure for optimal image quality. 	1	Lot	₱1,300,000.00



BIDS AND AWARDS COMMITTEE (BAC)

	<ul style="list-style-type: none"> *Automatic and manual detection of lanes and bands. *Can produce publication-quality images without the use of any image editing software (TIFF or JPEG files). *Inclusion; <ul style="list-style-type: none"> *UV Sample Tray, One (1) Unit *Stain-free Sample Tray, One (1) unit. *White Sample Tray for Coomassie and Silver Stains, One (1) unit. *Blue Sample Tray for SYBR Stains, One (1) unit. *Sample Tray Holder, One (1) Unit. *Automatic Voltage Regulator, 2KVA, One (1) unit. *Uninterruptable Power Supply, 2 KVA, One (1) unit. *Laptop, One (1) unit (Operating System Windows 10 64-bit, Processor- 2.0 Ghz or higher Hard Disk Space- at least 100 GB, Memory (RAM) at least 1,024 MB; Ports for Connecting Instrument- 2.0 port (1 free USB optional) Other software (optional) Microsoft Excel 2003/ 2007/ 2010/ *Printer, one (1) unit (Function: Print, Copy, (Scan- optional), mono and color printing, USB support: Yes, USB Interface- USB 2.0 minimum copy size: A4) 			
5	<p>HORIZONTAL GEL ELECTROPHORESIS</p> <ul style="list-style-type: none"> *Open system. With 7 x10 cm UV-transparent acrylic plastic gel tray with fluorescent ruler. *With 8- and 15- well combs. *Gel tank: molded clear plastic; has lid with cables. *Gel buffer: 265 mL - 320 mL (depends on the size and thickness of the gel). *Banana plugs: gold-plated brass, 4.4 cm length. *Electrodes: platinum, 0.25 mm in diameter. *Electrical leads: nickel silver. *Gel caster: polycarbonate, 0.64 cm silicon foam; with leveling bubble. *Power Supply; *3-digit display. *Output specifications: 10V - 300V; 4mA - 400mA; 75W (maximum). *4 pair recessed banana jacks in parallel. *Has pause mode for editing parameters, or stopping and resuming the run. *Power failure detection in timed mode; when power returns run will complete. Automatic detection of rapid changes in resistance and no-load conditions. *Compact and stackable. Flip-down legs to change viewing angle. *Inclusions; *One (1) unit of 1 kVA AVR · agarose gel (molecular grade), 25g. *50x TAE buffer, 1L. *100 bp DNA ladder with glycerol, bromophenol blue and xylene cyanol, 500µL. *2-in-1 non-toxic visualization dye (loading dye and fluorescent dye), 1,000µL. 	1	Lot	₱220,000.00
6	<p>REFRIGERATED MICROCENTRIFUGE</p> <ul style="list-style-type: none"> -Capacity: 48 x 1.5/2.0mL, 12 x 5.0mL. -Speed up to 25,000 x g (16,220 rpm). -Aerosol-tight QuickLock rotor lids allow for fast and ergonomic lid locking -Whisper quiet operation due to optimized sound design 	1	Unit	₱350,000.00



BIDS AND AWARDS COMMITTEE (BAC)

	<ul style="list-style-type: none"> -Soft-touch one-finger closure for ergonomic operation. -Temperature range from -10C to 40C -FastTemp allows for fast 11 min pre-cooling -ECO shuf-off can be programmed to engage after 1, 2, 4 or 8 hours of nonuse for energy savings up to 88% and extended compressor life -Built-in condensation drain to eliminate water accumulation -Refrigerated: YES Electrical Requirements 230V-50Hz/120V-60Hz 			
7	SPECTROPHOTOMETER <ul style="list-style-type: none"> * Minimum Sample Capacity Range: 0.2ul/- 0.5 ul *Ultramicro Optical Distance: 0.5mm. *Detectable Concentration Range: 2.5~7500ng/ul(dsDNA). *Min Precise Detect Concentration: 10 ng/ul (dsDNA). *Max Precise Detect Concentration: 5000 ng/ul (dsDNA). *DNA reproducibility: < ±1.0 % (dsDNA, @ 1000ng/ul). *Wavelength Range: 190-1100nm. *Spectral Bandwidth: 4nm. *Optical System: Single Beam, Grating 1200 lines/mm. *Wavelength Accuracy: ±0.5nm. *Wavelength Repeatability: 0.3nm. *Max Scanning Speed: 3000nm/min. *Photometric Accuracy: ±0.5%T or ±0.004A @ 1A. *Photometric Range: 0~200%T, -0.3~0.3A, 0~9999Conc. *Stray Light: 0.05%T @ 220, 340nm. *Stability: ±0.0008A/h @ 500nm. *Baseline Flatness: ±0.002A. *Light Source: Halogen & Deuterium lamp/ (better source) *Output: USB Print and data output , Connect PC. *Power Supply: AC 110/220V±10%, 50/60Hz. *Packing Size(W*D*H) mm: 491 x 365 x 180. *Gross Weight (kg): 14. *Other features; *LCD display. *Microscale sample test, minimum 0.2ul. *Unique design sample holder, could test small amount DNA and protein. *Ultramicro and cuvette dual platform. *More accuracy, no light loss in whole test process. 	1	Unit	₱550,000.00
8	THERMAL CYCLER/CONVENTIONAL PCR <ul style="list-style-type: none"> *Machine; *5.7in. VGA color touch screen. *Programming options: step-based graphical. *Save time programming. *Memory: 500 typi00000000000cal programs onboard; unlimited with USB flash drive expansion. *96-well block. *Ramp rate: 4°C/sec. *Average ramp rate: 2.5°C/sec. *Temperature range: 4°C - 100°C. *Temperature accuracy: ±0.5°C of programmed target. *Temperature uniformity: ±0.5°C well-to-well within 30 sec of arrival at target temperature. *Gradient capability: Yes. *Gradient temperature range: 30°C - 100°C. *Temperature differential range: 1°C - 25°C. *Instant incubation: Yes. *Compact design. *Inclusions; *Must include tube support ring for dome caps and flat caps. 	1	Lot	₱500,000.00



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	<ul style="list-style-type: none"> *One (1) unit of 2 kVA AVR. *One (1) unit of 2 kVA UPS. *0.2mL PCR tubes with flat caps, high profile, clear, package of 1000 tubes. *Universal supermix, 200 reactions. 			
9	VERTICAL LABORATORY AUTOCLAVE (PRESSURE STEAM STERILIZATION) <ul style="list-style-type: none"> *Water inlet filter to keep high water quality (optional) *Optional printer for recording sterilization data. *LED screen displays all steps of full process as well as error codes. *Independent quick service window, easy for repairing and maintenance. *Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing. *Sterilization programs for dressings, equipment, rubber, culture medium, waste, etc. *Hand wheel type of quick-open door structure, self-expandable sealing ring, easy operating and safe. *Complete process of filling water, dynamic pulse exhaust, heating, sterilizing, draining and drying runs automatically. *Adopting certain temperature(98~102°C) exhaust method and dynamic pulse exhaust method to empty the cold air inside chamber for ensuring steam saturability. *Inner stainless steel water tank for water and steam to circulate inside. Steam dose not exhaust during sterilization, so as to keep the outside clean and dry *Drying function *Capacity: 50L. *Chamber Size(mm): f386 x 514. *Chamber Material: SUS304. *Designed Pressure: 0.28Mpa. *Designed Temperature: 150°C. *Working Pressure: 0.22MPa. *Working temperature: 105~136°C. *Temperature Display Accuracy: ±0.1°C. *Timing range: 0~999min. *Dynamic Pulse Exhaust Times: 0~9 times. *Dynamic Pulse Exhaust Temp: 105~134°C. *Dissolution Temp Range: 60~100°C (programmable). *Temp. Holding Range: 40~60°C (programmable). *Consumption: 4.4KW. *Power Supply: AC110/220V±10%, 50/60Hz. *SS Basket: 1 pc. *External Size (W*D*H) mm: 640 x 550 x 970 (or +/- 20 of the indicated size) *Packing Size (W*D*H) mm: 750 x 745 x 1100. *Gross Weight Range (kg): 90- 110 kg 	1	Unit	₱250,000.00
10	VERTICAL POLYACRYLAMIDE GEL ELECTROPHORESIS <ul style="list-style-type: none"> *Electrophoresis tank; *Compatible to both handcast and precast gels. *Can run up to 4 mini gels using 1-2 modules. *Gel size: 8.6 x 6.7cm. *Glass plate size: short plate: 10.1 x 7.3cm; Long plate: 10.1 x 8.2cm *Power supply; *1-999 minutes, fully adjustable. *3-digit LED display. *Output specifications: 10 - 300V; 4-400mA; 75W (maximum). *4 pair recessed banana jacks in parallel. 	1	Lot	₱200,000.00



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<ul style="list-style-type: none"> *Has pause mode for editing parameters, or stopping and resuming the run. *Power failure detection in timed mode; when power returns run will complete. *Automatic detection of rapid changes in resistance and no load conditions. *Compact and stackable. *Flip-down legs to change viewing angle. *Should include automatic voltage regulator (1 unit). *Inclusions; *1 unit - Mini cell buffer dam. *5 units - 10-well combs. *5 units - Gel releasers. *1 unit - Prestained Protein Standard, with ten (10) stained recombinant proteins including three (3) reference bands (25, 50, 75 KD), 50 applications, 500µl *1 unit - Unstained Protein Standard, with 10 strep-tagged recombinant proteins including three (3) reference bands (25, 50 and 75 KD), 1ml. *1 unit - Starter Kit for handcasting 10% stain-free polyacrylamide gels *1 unit - 1L, 10x premixed electrophoresis buffer (contains 25mM Tris, 192 mM glycine, 0.1% SDS, pH 8.3 following dilution to 1x with water). *1 unit - 10g Ammonium Persulphat. *1 unit - 5ml TEMED. *1 unit - 1L Coomassie Blue stain solution. 			
		TOTAL	₱4,220,000.00

For guidance and information of all concerned.

ARMIE LEILA M. MORDENO, DPA, CSEE
 BAC Chairperson *lmm*

Received by the Bidder:

