



INVITATION TO BID

The Nueva Ecija University of Science and Technology (NEUST) through its Bids and Awards Committee (BAC), invites entities to bid for the hereunder projects:

Name of Project: SUPPLY AND DELIVERY OF BIOLOGY LAB EQUIPMENT
Location: College of Arts and Sciences, NEUST, Gen. Tinio (St.) Cabanatuan City
Approved Budget for the Contract (ABC): Php3,000,000.00
Contract Duration: 60 Calendar Days
Fund Source: NEP/GAA 2021
Bid Documents: Php5,000.00

Description: 1 Lot - BIOLOGY LAB EQUIPMENT

1 Unit - UV-Visible Spectrophotometer with Desktop Computer

- All systems allow data collection across the full 190–1100 nm wavelength range and have variable spectral bandwidth that can be selected between 0.1 to 5.0 nm at 0.01 nm intervals. Each Cary 3500 system also includes everything needed to start collecting data (including a Cary Welcome Kit that comprises two quartz cuvettes, a cuvette holder tray, and a caffeine standard for instrument performance testing and qualification)
- Cary Compact module: double beam systems with a reference and sample position
- Cary Multicell Module: double beam systems with eight cuvette positions (combinations of reference and sample possible)
- Cary UV Workstation software: automatic module recognition, streamlined method setup and built-in calculations for data analysis
- Cary 3500 UV-Vis engine: Xenon flash lamp, double out-of-plane Littrow monochromator for fast data collection, high light throughput and high absorbance range
- Desktop PC package: i5 processor, motherboard, 8 GB memory, 1 TB HDD, 23" monitor, Casing with power Supply, Mouse, Keyboard, AVR

1 Unit - Analytical balance

- Analytical Balances, Internal Calibration
- Electrical Requirements: 100 to 240V 50/60Hz
- Display Type: Backlit LCD
- Readability: 0.1 mg
- Stabilization Time: 2 sec.

1 Unit - Laminar flow with UV lamp

- Work Surface Height: 750mm
- Display: LCD Display
- Airflow Velocity: Average of 0.3~0.5m/s
- Pre-filter: Polyester fiber, washable
- HEPA Filter: 99.999% efficiency at 0.3um
- Noise: <60dB
- UV Lamp: 30W*1, Emission of 253.7 nanometers
- Standard Accessory: LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2

1 Unit - Incubator Oven

- Genlab Dual Purpose Oven/Incubator - 50L
- Capacity: 53 Litres
- Temp Range: +5 to 70°C
- Fluctuation: +/-0.25°C
- High Resolution: 0.1°C
- Steriliser Temp. Range: 40 to 250°C
- Internal Dimensions: H330 x W490 x D290mm
- External Dimension: H660 x W630 x D610mm

- Shelves: 2
- Shelf Positions: 3
- Wattage: 500

1 Unit - Refrigerated centrifuge

- › Medium capacity swing-bucket rotor with speed up to 3,234 × g (4,200 rpm)
- › Broad range of adapters available to handle all common tube formats from 0.2 mL to 250 mL
- › Aerodynamic round bucket design for up to 48 % energy savings compared to Rotor A-4-62
- › Buckets and adapters are autoclavable
- › Max. speed 20,130 × g (12,100 rpm) in Centrifuge 5810 R or 16,639 × g (11,000 rpm) in 5804/5804R/5810
 - › Eppendorf QuickLock rotor lid for fast lid locking
 - › Aerosol-tight for safe centrifugation of hazardous samples
 - › Low rotor weight (3.2 kg) for easy lifting
 - › 45° borehole angle minimizes pellets smear along tube wall

1 unit – Thermal Cycler with PCR license

- Input power: 100–150 VAC, 50–60 Hz; 220–240 VAC, 50–60 Hz; 700 W maximum
- Display: 5.7 in. VGA color touch screen
- Fuses: Two 10 A, 250 V, 5 x 20 mm
- Memory: 500 typical programs onboard; unlimited with USB flash drive expansion
- Temperature control modes: Calculated and block
- Programming options: Step-based graphical
- Reporting: Exportable run logs
- Instant incubation
- Sample capacity: 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well
- Maximum ramp rate: 4°C/sec
- Average ramp rate: 2.5°C/sec
- Temperature range: 4–100°C
- Temperature uniformity: ±0.5°C of programmed target ±0.5°C well-to-well within 30 sec of arrival at target temperature
- Gradient range: 30–100°C
- Temperature differential range: 1–25°C

1 Unit - Microscope with camera

- 40X – 1600X MAGNIFICATION TRINOCULAR COMPOUND MICROSCOPE WITH USB DIGITAL CAMERA
- Eight Magnifications: 40x, 64x, 100x, 160x, 400x, 640x, 1000x, and 1600x.
- Two Eyepiece Sets Included: Wide Field 10x and 16x.
- Four DIN Objectives: 4x, 10x, 40x, 100x (Oil Immersion).
- Spring Loaded 40x and 100x Objectives to Protect Slides.
- 45 Degree Inclined Trinocular Head, Rotatable 360 Degrees.
- Adjusts to the Distance Between your Eyes: 55 to 75mm InterPupillary Distance.
- Diopter Adjustment on Both Oculars to Correct for Your Specific Vision Needs.
- Variable Intensity 20W Tungsten Halogen Transmitted Base Illumination.
- Coaxial Fine and Coarse Focusing Knobs on Both Sides of Microscope.
- Coarse Adjustment Travel Range: 25mm (Stage Movement Distance Up/Down).
- Fine Adjustment Division: 0.002mm.
- Adjustable Lock Ring Stop to Limit Coarse Range to Protect Slides.
- Tension Adjustable Coarse Focusing.
- Graduated Mechanical Stage: 115 x 119mm.
- Low Position Coaxial X-Y Slide/Stage Movement Knobs Includes: Dust Cover, Bottle of Immersion Oil, Instruction Manual, Extra Bulb and Fuse.

1 Unit - eyewash with shower

- Basic type + ABS coating
- Material: Whole 304 stainless steel
- Water Inlet Size: RC 1 ¼ inch thread
- Water Outlet Size: RC 1 ¼ inch thread
- Design pressure: 0.8Mpa

- Working Pressure: 0.2Mpa-0.4Mpa
- Water Medium: Health Standard Water

1 Unit - Compound Microscope

- 40X – 1000X MAGNIFICATION MONOCULAR STUDENT COMPOUND LIGHT MICROSCOPE
- Four Magnifications: 40x, 100x, 400x, and 1000x.
- Eyepiece Included: Wide Field 10x.
- Pointer Included in Eyepiece.
- Four DIN Achromatic Objectives: 4x, 10x, 40x, and 100x (Oil Immersion).
- Spring Loaded 40x and 100x Objectives to Protect Slides.
- 45 Degree Inclined Monocular Head, Rotatable 360 Degrees.
- 1.25 N.A. Abbe Substage Condenser, Condenser Movement Knob, Iris Diaphragm and Swing-Out Filter Holder.
- Full Light Condenser with Condensing Lens! This is not the cheap version with simple holes of varying diameter.
- Filters Included: Green, Blue, Yellow.
- Fine and Coarse Focusing Knobs on Both Sides of Microscope.
- Tension Adjustable Coarse Focusing.
- Adjustable Screw-Stop to Limit Coarse Range to Protect Slides.
- Total Overall Height of Microscope: 15 Inches (390mm).
- The Base is 8×7 Inches (210mm x 170mm).
- Instrument Weight: 8 lbs.
- Includes: Instruction Manual, Bottle of Immersion Oil, Extra Bulb, and Dust Cover.

1 Unit - UV transilluminator

- Maximum image area 19.4 x 26 cm
- Excitation source Epi-white light and trans-UV (302 nm) are standard (optional 365 nm lamp available); optional trans-white conversion screen and XcitaBlue™ UV/blue conversion screen available
- Illumination control: 3 modes (trans-UV, trans white, epi-white)
- Detector: CCD
- Image resolution : 4 megapixels
- Pixel size (H x V): 4.65 x 4.65 μm
- Filter holder: 3 positions (2 for filters, 1 without filter)
- Emission filters 1 included (standard), 3 optional
- Dynamic range >3.0 orders of magnitude
- Pixel density (gray levels): 4,096
- Dynamic flat fielding Application specific, for all applications

1 Unit - Electrophoresis kit

DNA Electrophoresis Class Kit

Fast 20 Minute Gel run

- Easy Gel Casting
- HexaGel Electrophoresis tank for 6 gels
- DuoSource™ 150 Power Supply (75/150v)
- 6 x Gel trays with GelCaps and and combs
- 6 x 40mL minipipettes and tips

1 PC – Digital ultrasonicator

- Frequency LEAP technology provides more homogeneous ultrasonic activity throughout the tank, reducing dead spots and standing waves
- Heated ambient +5°C to 70°C
- SD port allows easy validation tracking between XUB series and PC. Improved software memory logs cleaning parameters allowing easy cycle repeatability and easy traceability of cycle number, time, temperature and sonics validation
- LCD Display - easy to use digital LCD control panel with user - settable parameters to suit individual requirements. Intelligent software remembers last cycle cleaning setting and accurate fluid level sensors to ensure bath is not under-filled prior to or during the cycle
- Accurate process control of time, temperature, ultrasonic activity, degas and power
- Stainless steel basket - designed specifically to generate maximum ultrasonic activity, prevent items resting on the tank and prevent operators coming into contact with chemical solutions. Included as standard.

- Ergonomic ABS plastic lid - reduces noise volume and minimizes potential of aerosol escape. Included as standard.
- Lid and basket form a drip collection unit, minimizing flow of contaminated liquid once cycle is finished
- Drain valve for convenient emptying
- Stainless steel basket, ergonomic lid, SD card and one bottle of M2 ultrasonic solution included as standard
- Adjustable power that can be reduced from 100 to 50% in 5% increments
- 25L capacity

The schedule of the bidding activities are as follows:

Activities	Schedule
1. Advertisement/Receipt of Letter of Intent	November 11-18, 2020
2. Pre-bid Conference	November 19, 2020, 11:30 AM NEUST President's Office Conference Room, Sumacab Campus, Cabanatuan City
3. Submission of Bids	December 1, 2020, UNTIL 5:00 PM NEUST President's Office Conference Room, Sumacab Campus, Cabanatuan City
4. Opening of Bids	December 2, 2020, 4:00 PM NEUST President's Office Conference Room, Sumacab Campus, Cabanatuan City
5. Post Qualification	December 3, 2020, 4:00 PM NEUST President's Office Conference Room, Sumacab Campus, Cabanatuan City

All particulars to the Eligibility Statement and Screening, Bid Security, Performance Security, Pre-bidding Conference, Evaluation of Bids, Post Qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Implementing Rules and Regulations.

Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

A complete set of Bidding Documents may be acquired by interested Bidders from November 5-17, 2020 upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

Bids must be duly received by the BAC Secretariat at the address below on or before December 1, 2020, 5:00PM. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in the PBD.

Bid opening shall be on December 2, 2020, 9:00AM at NEUST Conference Room, Sumacab Campus, Cabanatuan City. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

The NEUST-BAC will conduct early procurement activities for projects funded by the NEP/GAA in accordance with the guidelines on the implementation of Early Procurement Activities (EPA).

The Nueva Ecija University of Science and Technology reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

For more information concerning this bidding, please contact the following:

MS. MICHELLE A. SUPEÑA
Bids and Awards Committee Secretariat
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Approved by:

DR. HONORATO P. PANAHO
BAC Chairperson