

Supplier **GOLDEN BAT (FAR EAST) INC.**  
Address **#52 Scout Alcaraz Street, Maharlika, Quezon City**

P.O. No. **1383**  
Date **6-29-2016**  
Mode of Procurement: **Public Bidding**

Gentlemen:

Please Furnish this office the following articles subject to the terms and conditions contained herewith:

Place of Delivery: **DA-RFO 12, Koronadal City** Delivery Term: **60 calendar days**  
Date of Delivery: \_\_\_\_\_ Payment Term: \_\_\_\_\_

| Item No.                            | Unit | Qty | Description   | Unit Cost (P) | Amount                  |
|-------------------------------------|------|-----|---|---------------|-------------------------|
| <b>VARIOUS LABORATORY EQUIPMENT</b> |      |     |   |               |                         |
| 1                                   | unit | 1   | <b>Nitrogen Analyzer Set (Digestion &amp; Distillation)</b> <ul style="list-style-type: none"> <li>• Kjeldahl Digestion Unit</li> <li>• Construction material: Epoxy painted with chemical resistant coating</li> <li>• Capacity: 6-position for 250 ml test tubes (442 mm)</li> <li>• Power: 1100 W</li> <li>• Weight: 16.2 kg (35.7 lb)</li> <li>• Dimensions (WxHxD): 293x152x339 mm (11.5x6x13.3 in)</li> <li>• Temperature range: Ambient to 450 °C / 842 °F</li> <li>• Temperature Calibration: Automatic Stability of the heating block temperature: ± 0,5 °C</li> <li>• Precision of the heating block temperature: ± 0,5 °C</li> <li>• Digestion time range: 1 to 999 minutes</li> </ul> <b>Including: Recirculating Water Pump</b> <ul style="list-style-type: none"> <li>• Flow regulation: from 0 to 35 l/min</li> <li>• Residual pressure with water temperature of 35°C: 35 mm Hg</li> <li>• Power: 160 W</li> <li>• Weight: 8.4 Kg (18.5 lb)</li> <li>• Dimensions (WxHxD): 250x400x370 mm (9.8x15.7x14.6 in)</li> </ul> <b>Including: Scrubber</b> <ul style="list-style-type: none"> <li>• Construction material: Epoxy painted stainless steel structure</li> <li>• Capacious containers for the neutralization solution and for the condensate collection</li> <li>• Weight: 3,5 Kg (7.7 lb)</li> <li>• Dimensions (WxHxD): 190x500x300 mm (7.5x19.7x11.8 in)</li> </ul> <b>Including: Kjeldahl Distillation Unit</b> <ul style="list-style-type: none"> <li>• Structure: Corrosion-resistant technopolymer</li> <li>• Reproducibility (RSD): ≤ 1 %</li> <li>• Recovery: ≥ 99.5 % at nitrogen levels between 1 and 260 mg N</li> <li>• Detection Limit: ≥ 0.1 mg N</li> <li>• Power: 2100 W</li> <li>• Weight: 26 kg / 57.3 lb</li> <li>• Dimensions (WxHxD): 385x780x416 mm (15.2x30.7x16.4 in)</li> <li>• Distillation time: 4 minutes to collect 100 ml of distillate</li> <li>• Sodium hydroxide addition: automatic</li> <li>• Water addition: automatic</li> <li>• Sodium hydroxide volume: 0 - 150 ml</li> <li>• Water volume: 0 - 200 ml</li> <li>• Distillation residues removal: automatic</li> <li>• Steam flow regulation: from 10 to 100 %</li> <li>• Tap water consumption: from 0,5 l/min at 15 °C -- from 1 l/min at 30 °C</li> <li>• Connections: 2 x USB for printer, mouse</li> </ul> | 831,257.00    | PHP 831,257.00          |
| 2                                   | unit | 2   | <b>Centrifuge</b> <ul style="list-style-type: none"> <li>• Speed range: 1000 to 3400 rpm</li> <li>• Max tube dimensions: 28 x 118 mm</li> <li>• Noise level (dB(A)): &lt;50</li> <li>• Rotor (included): four-place swinging bucket</li> <li>• Dimensions: 11"W x 13-3/4"H x 15"D (27.9 x 34.9 x 38.1 cm)</li> <li>• Timer: 60 minutes</li> <li>• Power (VAC): 220</li> <li>• Max RCF (x g): 1796</li> <li>• Power (Hz): 50</li> </ul>  | 280,256.50    | 560,513.00              |
| <b>SUB-TOTAL</b>                    |      |     |   |               | <b>PHP 1,391,770.00</b> |

Department of Agriculture  
Region XII, Koronadal City

Supplier **GOLDEN BAT (FAR EAST) INC.**  
Address **#52 Scout Alcaraz Street, Maharlika, Quezon City**

P.O. No. 1383  
Date 6-20-2016  
Mode of Procurement: Public Bidding

Gentlemen:

Please Furnish this office the following articles subject to the terms and conditions contained herewith:

Place of Delivery: DA-RFO 12, Koronadal City Delivery Term: 60 calendar days  
Date of Delivery: \_\_\_\_\_ Payment Term: \_\_\_\_\_

| Item No.         | Unit | Qty | Description  | Unit Cost (P) | Amount                  |
|------------------|------|-----|--|---------------|-------------------------|
| 3                | unit | 2   | <b>UV-VIS Spectrophotometer and Thermostator</b> <ul style="list-style-type: none"> <li>• Wavelength range :190-1100 nm</li> <li>• Technology :Stabilized single-beam</li> <li>• Source lamp:Xenon flashlamp</li> <li>• Spectral bandwidth :4 nm</li> <li>• Wavelength resolution :1 nm</li> <li>• Wavelength accuracy :± 1 nm</li> <li>• Photometric range ;± 3.3 A</li> <li>• Absorbance resolution :0.001 A</li> <li>• Absorbance accuracy :0.003 A bet&lt; 0.600 A / 0.5% of the reading for 0.600 ≤ A ≥ 2.000</li> <li>• Protection class:IP 31</li> <li>• Power supply : country specific power supply, length of the connection cable: 2.0m</li> <li>• Power requirements 9/30/2015 100 – 240 V ~ / 50 – 60 Hz / 0.70 A</li> <li>• Temperature Operating: +10 °C to +35 °C,</li> <li>• Storage: -25 °C to +65 °C</li> <li>• Dimensions: 404 x 197 x 314 mm (width x height x depth)</li> <li>• Weight :(without plug-in power supply) approx. 4.5 kg</li> </ul> | 344,490.00    | PHP 688,980.00          |
| 4                | unit | 2   | <b>Vortex Shaker</b> <ul style="list-style-type: none"> <li>• Min speed (rpm): 600</li> <li>• Max speed (rpm): 2700</li> <li>• Platform dimensions :1-1/8" dia pop-off cap, 3" dia platform</li> <li>• Power (VAC) :230</li> <li>• Power (Hz): 50 Hz</li> <li>• Power (Amps): 0.5 A</li> <li>• Dimensions: 4-7/8"W x 6-1/2"H x 6-1/2" D</li> </ul>   | 19,281.50     | 38,563.00               |
| 5                | unit | 2   | <b>Auto-calibrating Analytical Balance</b> <ul style="list-style-type: none"> <li>• Calibration: Internal</li> <li>• Capacity (g): 210</li> <li>• Housing dimensions: 24.8 x 32.7 x 37.1 cm</li> <li>• Dimensions (" W): 9-3/4</li> <li>• Dimensions (" H): 12-7/8</li> <li>• Dimensions (" D): 14-5/8</li> <li>• Pan size (" Dia): 3-1/3</li> <li>• Readability (g): 0.00001 / 0.0001</li> <li>• Linearity (g): ±0.0002</li> <li>• Repeatability (g): ±0.00001 / 0.0001</li> <li>• Chamber size: 17.8 x 22.2 x 16.5 cm</li> <li>• Chamber size (" W): 7</li> <li>• Chamber size (" H): 8-3/4</li> <li>• Chamber size (" D): 6-1/2</li> <li>• Power (VAC): 120/220</li> <li>• Output: RS-232</li> </ul>  | 125,670.00    | 251,340.00              |
| 6                | unit | 1   | <b>Top-loading Balance</b> <ul style="list-style-type: none"> <li>• Calibration: External</li> <li>• Capacity (g): 4,200</li> <li>• Capacity (kg): 4.2</li> <li>• Housing dimensions: 8.7" x 4.3" x 12.6"</li> <li>• Dimensions (" W): 8.7</li> <li>• Dimensions (" H): 4.4</li> <li>• Dimensions (" D): 12.2</li> <li>• Display: LCD</li> <li>• Readability (g): 0.01</li> </ul>  | 55,782.00     | 55,782.00               |
| <b>SUB-TOTAL</b> |      |     |  |               | <b>PHP 1,034,665.00</b> |

*Handwritten signatures and initials*

Supplier **GOLDEN BAT (FAR EAST) INC.**  
Address **#52 Scout Alcaraz Street, Maharlika, Quezon City**

P.O. No. 1383  
Date 6-29-2016  
Mode of Procurement: Public Bidding

Gentlemen:

Please Furnish this office the following articles subject to the terms and conditions contained herewith:

Place of Delivery: DA-RFO 12, Koronadal City Delivery Term: 60 calendar days  
Date of Delivery: \_\_\_\_\_ Payment Term: \_\_\_\_\_

| Item No.         | Unit | Qty | Description   | Unit Cost (P) | Amount            |
|------------------|------|-----|---|---------------|-------------------|
| 7                | unit | 1   | <ul style="list-style-type: none"> <li>• Linearity (g): ±0.02</li> <li>• Repeatability (g): ±0.02</li> <li>• Stabilization time: 3 seconds</li> <li>• Power (VAC): 110/220 VAC</li> <li>• RS-232 interface: Yes</li> </ul> <b>Hot Plate with Magnetic stirrer</b> <ul style="list-style-type: none"> <li>• Speed (rpm) (low): 60</li> <li>• Speed (rpm) (high): 1100</li> <li>• Max temperature (°C): 550</li> <li>• Top plate material: Ceramic</li> <li>• Top plate dimensions (in.): 4 x 5</li> <li>• Dimensions: 5.8125 x 4.375 x 7.3125</li> <li>• Max stirring volume (Liters): 2</li> <li>• No. of stirring positions: 1</li> <li>• Power: 120VAC; 60Hz; 283 Watts</li> </ul>  | 42,993.00     | 42,993.00         |
| 8                | unit | 1   | <b>Electrical Conductivity Meter</b> <ul style="list-style-type: none"> <li>• Meter style: Benchtop</li> <li>• Conductivity accuracy: ±1% full scale</li> <li>• Conductivity resolution: 0.01, 0.1, 1 µS; 0.01, 0.1 mS</li> <li>• Range (Conductivity): 0 µS to 200 mS</li> <li>• Range (TDS): 0 to 200 ppt</li> <li>• Range (Temperature °C): -10 to 110</li> <li>• Resolution (Temperature): 0.1</li> <li>• Resolution (TDS): 0.01, 0.1 ppm, 0.001, 0.01, 0.1 ppt</li> <li>• Accuracy (Temperature): ±0.5°C</li> <li>• Accuracy (Resistivity): ±1% full-scale</li> <li>• Accuracy (Conductivity): ±1% full-scale</li> <li>• Accuracy (TDS): ±1% of reading</li> <li>• Accuracy (Salinity): ±1.0% full-scale</li> <li>• Temperature compensation: Automatic or manual</li> <li>• Interface: RS-232</li> <li>• Power: 100 to 240 VAC, 50/60 Hz</li> <li>• Dimensions (" W): 6-7/8</li> <li>• Dimensions (" H): 2-3/4</li> <li>• Dimensions (" L): 6-1/8</li> <li>• Temp compensation: Automatic or manual, adjustable from 0.0 to 10% per °F/°C</li> <li>• Cell constant: Select from K = 0.1, 1.0 or 10</li> </ul> | 54,656.00     | 54,656.00         |
| 9                | unit | 1   | <b>Laboratory Oven</b> <ul style="list-style-type: none"> <li>• Capacity (Liters): 59.451</li> <li>• Capacity (cu ft) : 2.1</li> <li>• Chamber size (" W) :15.75</li> <li>• Chamber size (" H): 16.5</li> <li>• Chamber size (" D) :14.25</li> <li>• Minimum temperature (°C) : Ambient ± 10</li> <li>• Maximum temperature (°C) : 250</li> <li>• Temp uniformity : ±1°C at 100°C</li> <li>• Control type :PID microprocessor</li> <li>• Temp control accuracy ; ±1°C at 100°C</li> <li>• Temp display: Digital LED</li> <li>• Resolution: 1°C</li> <li>• Rise time: 15 min to 100°C</li> <li>• Power (VAC) :115</li> <li>• Power (Hz) :60</li> </ul>   | 69,160.00     | 69,160.00         |
| <b>SUB-TOTAL</b> |      |     |   | <b>PHP</b>    | <b>166,809.00</b> |

*Amf*  
*Sydney*

Department of Agriculture  
Region XII, Koronadal City

Supplier **GOLDEN BAT (FAR EAST) INC.**  
Address **#52 Scout Alcaraz Street, Maharlika, Quezon City**

P.O. No. 1383  
Date 6-29-2016  
Mode of Procurement: Public Bidding

Gentlemen:

Please Furnish this office the following articles subject to the terms and conditions contained herewith:

Place of Delivery: DA-RFO 12, Koronadal City Delivery Term: 60 calendar days  
Date of Delivery: \_\_\_\_\_ Payment Term: \_\_\_\_\_

| Item No.         | Unit | Qty | Description   | Unit Cost (P) | Amount     |
|------------------|------|-----|---|---------------|------------|
| 10               | unit | 2   | <ul style="list-style-type: none"> <li>• No. of shelf positions: 8</li> <li>• No. of shelves: 2 (included)</li> <li>• Construction: Stainless steel interior, powder-coated exterior</li> <li>• Overall dimensions :22-3/4" W x 30" H x 25-1/4" D (58 x 76 x 64 cm)</li> <li>• Timer: 1 min to 99 hrs, 59 min</li> <li>• Shipping wt (lbs) :138 (63 kg)</li> </ul> <p><b>Vacuum Pump</b></p> <ul style="list-style-type: none"> <li>• Max. vacuum : Ultimate: 26.0" Hg (100 Torr)</li> <li>• Max pressure (psi): 100</li> <li>• Free-air capacity :0.67 cfm (19 L/min)</li> <li>• Port size: 1/4" ID</li> <li>• Max temperature: 104°F (40°C)</li> <li>• Motor type: Split phase</li> <li>• Duty cycle: Continuous</li> <li>• Head configuration: Single</li> <li>• hp: 1/8"</li> <li>• Wetted parts: aluminum (treated for corrosion resistance), stainless steel, and PTFE</li> <li>• Noise level (dB): 62</li> <li>• Dimensions: 8"L x 8-13/16"W x 10"H (203 x 224 x 254 mm)</li> <li>• Amps: 1.3</li> <li>• Power: 230 VAC, 50 Hz</li> </ul> <ul style="list-style-type: none"> <li>❖ With 3 years warranty (all equipment)</li> <li>❖ With free installation and training</li> </ul> | 58,947.00     | 117,894.00 |
| <b>SUB-TOTAL</b> |      |     |   |               | 117,894.00 |

(Total Amount in Words) **Two Million Seven Hundred Eleven Thousand One Hundred Thirty-Eight Pesos** **PHP 2,711,138.00**

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed.

Conforme:

  
**Jeanelyn M. Delacruz**  
(Signature over printed name)

Very truly yours,

  
**AMALIA J. DATUKAN, MBA**  
Regional Executive Director

Funds Available:

**ANNA MAE A. SIDIÑO**  
Administrative Officer V / Regional Accountant

ALOBS No: \_\_\_\_\_

Amount: \_\_\_\_\_