



NOTICE TO PROCEED

THE PRESIDENT
Golden Bat (Far East) Inc.
#52 Scout Alcaraz Street
Maharlika, Quezon City

Sir / Madam:

Having entered into a contract with the Department of Agriculture, RFO 12, Koronadal City, you are hereby authorized to proceed with the **Line Item No. 1: Supply and delivery of 1 unit Nitrogen Analyzer Set, 2 units Centrifuge, 2 units UV-VIS Spectrophotometer and Thermoreactor, 2 units Vortex Shaker, 2 units Auto-calibrating Analytical Balance, 1 unit Top-loading Balance, 1 unit Hot Plate with Magnetic Stirrer, 1 unit Electrical Conductivity Meter, 2 unit Laboratory Oven and 2 units Vacuum Pump** in the amount of **Two Million Seven Hundred Eleven Thousand One Hundred Thirty-Eight Pesos (Php2,711,138.00)** with **ITB Reference No. 3658557**, subject to the terms and conditions of the contract agreement specifically the provision on "LIQUIDATED DAMAGES" (LD) as stipulated in RA 9184 with the following specifications:

1 unit Nitrogen Analyzer Set (Digestion & Distillation)

- Kjeldahl Digestion Unit
- Construction material: Epoxy painted with chemical resistant coating
- Capacity: 6-position for 250 ml test tubes (\varnothing 42 mm)
- Power: 1100 W
- Weight: 16.2 kg (35.7 lb)
- Dimensions (WxHxD): 293x152x339 mm (11.5x6x13.3 in)
- Temperature range: Ambient to 450 °C / 842 °F
- Temperature Calibration: Automatic Stability of the heating block temperature: $\pm 0,5$ °C
- Precision of the heating block temperature: $\pm 0,5$ °C
- Digestion time range: 1 to 999 minutes

Including: Recirculating Water Pump

- Flow regulation: from 0 to 35 l/min
- Residual pressure with water temperature of 15°C: 35 mm Hg
- Power: 160 W
- Weight: 8.4 Kg (18.5 lb)
- Dimensions (WxHxD): 250x400x370 mm (9.8x15.7x14.6 in)

Including: Scrubber

- Construction material: Epoxy painted stainless steel structure
- Capacious containers for the neutralization solution and for the condensate collection
- Weight: 3,5 Kg (7.7 lb)
- Dimensions (WxHxD): 190x500x360 mm (7.5x19.7x11.8 in)

Including: Kjeldahl Distillation Unit

- Structure: Corrosion-resistant technopolymer
- Reproducibility (RSD): ≤ 1 %
- Recovery: ≥ 99.5 % at nitrogen levels between 1 and 200 mg N

- Detection Limit: ≥ 0.1 mg N
- Power: 2100 W
- Weight: 26 kg / 57.3 lb
- Dimensions (WxHxD): 385x780x416 mm (15.2x30.7x16.4 in)
- Distillation time: 4 minutes to collect 100 ml of distillate
- Sodium hydroxide addition: automatic
- Water addition: automatic
- Sodium hydroxide volume: 0 - 150 ml
- Water volume: 0 - 200 ml
- Distillation residues removal: automatic
- Steam flow regulation: from 10 to 100 %
- Tap water consumption: from 0,5 l/min at 15 °C – from 1 l/min at 30 °C
- Connections: 2 x USB for printer, mouse

2 units Centrifuge

- Speed range: 1000 to 3400 rpm
- Max tube dimensions: 28 x 118 mm
- Noise level (dB(A)): <50
- Rotor (included): four-place swinging bucket
- Dimensions: 11"W x 13-3/4"H x 15"D (27.9 x 34.9 x 38.1 cm)
- Timer: 60 minutes
- Power (VAC): 220
- Max RCF (x g): 1796
- Power (Hz): 50

2 units UV-VIS Spectrophotometer and Thermoreactor

- Wavelength range :190-1100 nm
- Technology :Stabilized single-beam
- Source lamp:Xenon flashlamp
- Spectral bandwidth :4 nm
- Wavelength resolution :1 nm
- Wavelength accuracy : ± 1 nm
- Photometric range : ± 3.3 A
- Absorbance resolution :0.001 A
- Absorbance accuracy :0.003 A bei < 0.600 A / 0.5% of the reading for 0.600 \leq A \geq 2.000
- Protection class:IP 31
- Power supply : country specific power supply, length of the connection cable: 2.0m
- Power requirements 9/30/2015100 - 240 V ~ / 50 - 60 Hz / 0.70 A
- Temperature Operating: +10 °C to +35 °C,
- Storage: -25 °C to +65 °C
- Dimensions: 404 x 197 x 314 mm (width x heigth x depth)
- Weight :(without plug-in power supply) approx. 4.5 kg

2 units Vortex Shaker

- Min speed (rpm): 600
- Max speed (rpm): 2700
- Platform dimensions :1-1/8" dia pop-off cup, 3" dia platform
- Power (VAC) :230
- Power (Hz): 50 Hz
- Power (Amps): 0.5 A
- Dimensions: 4-7/8"W x 6-1/2"H x 6-1/2" D

2 units Auto-calibrating Analytical Balance

- Calibration: Internal
- Capacity (g): 210
- Housing dimensions: 24.8 x 32.7 x 37.1 cm
- Dimensions (" W): 9-3/4
- Dimensions (" H): 12-7/8
- Dimensions (" D): 14-5/8
- Pan size (" Dia): 3-1/3
- Readability (g): 0.00001 / 0.0001
- Linearity (g): ± 0.0002
- Repeatability (g): ± 0.00001 / 0.0001
- Chamber size: 17.8 x 22.2 x 16.5 cm

Notice to Proceed for the Line Item No. 1: Supply and delivery of 1 unit Nitrogen Analyzer Set, 2 units Centrifuge, 2 units UV-VIS Spectrophotometer and Thermoreactor, 2 units Vortex Shaker, 2 units Auto-calibrating Analytical Balance, 1 unit Top-loading Balance, 1 unit Hot Plate with Magnetic Stirrer, 1 unit Electrical Conductivity Meter, 2 unit Laboratory Oven and 2 units Vacuum Pump
Php2,711,138.00

- Chamber size (" W): 7
- Chamber size (" H): 8-3/4
- Chamber size (" D): 6-1/2
- Power (VAC): 120/220
- Output: RS-232

1 unit Top-loading Balance

- Calibration: External
- Capacity (g): 4,200
- Capacity (kg): 4.2
- Housing dimensions: 8.7" x 4.3" x 12.6"
- Dimensions (" W): 8.7
- Dimensions (" H): 4.4
- Dimensions (" D): 12.2
- Display: LCD
- Readability (g): 0.01
- Linearity (g): ± 0.02
- Repeatability (g): ± 0.02
- Stabilization time: 3 seconds
- Power (VAC): 110/220 VAC
- RS-232 interface: Yes

1 unit Hot Plate with Magnetic stirrer

- Speed (rpm) (low): 60
- Speed (rpm) (high): 1100
- Max temperature ($^{\circ}$ C): 550
- Top plate material: Ceramic
- Top plate dimensions (in.): 4 x 5
- Dimensions: 5.8125 x 4.375 x 7.3125
- Max stirring volume (Liters): 2
- No. of stirring positions: 1
- Power: 120VAC; 60Hz; 283 Watts

1 unit Electrical Conductivity Meter

- Meter style: Benchtop
- Conductivity accuracy: $\pm 1\%$ full scale
- Conductivity resolution: 0.01, 0.1, 1 μ S; 0.01, 0.1 mS
- Range (Conductivity): 0 μ S to 200 mS
- Range (TDS): 0 to 200 ppt
- Range (Temperature $^{\circ}$ C): -10 to 110
- Resolution (Temperature): 0.1
- Resolution (TDS): 0.01, 0.1 ppm, 0.001, 0.01, 0.1 ppt
- Accuracy (Temperature): $\pm 0.5^{\circ}$ C
- Accuracy (Resistivity): $\pm 1\%$ full-scale
- Accuracy (Conductivity): $\pm 1\%$ full-scale
- Accuracy (TDS): $\pm 1\%$ of reading
- Accuracy (Salinity): $\pm 1.0\%$ full-scale
- Temperature compensation: Automatic or manual
- Interface: RS-232
- Power: 100 to 240 VAC, 50/60 Hz
- Dimensions (" W): 6-7/8
- Dimensions (" H): 2-3/4
- Dimensions (" L): 6-1/8
- Temp compensation: Automatic or manual, adjustable from 0.0 to 10% per $^{\circ}$ F/ $^{\circ}$ C
- Cell constant: Select from K = 0.1, 1.0 or 10

1 unit Laboratory Oven

- Capacity (Liters): 59.451
- Capacity (cu ft) : 2.1
- Chamber size (" W) :15.75
- Chamber size (" H): 16.5

Notice to Proceed for the Line Item No. 1: Supply and delivery of 1 unit Nitrogen Analyzer Set, 2 units Centrifuge, 2 units UV-VIS Spectrophotometer and Thermoreactor, 2 units Vortex Shaker, 2 units Auto-calibrating Analytical Balance, 1 unit Top-loading Balance, 1 unit Hot Plate with Magnetic Stirrer, 1 unit Electrical Conductivity Meter, 2 unit Laboratory Oven and 2 units Vacuum Pump
 Php2,711,138.00
 Page 3 of 4

Goldberg

Amf

- Chamber size (" D):14.25
- Minimum temperature (° C) : Ambient \pm 10
- Maximum temperature (° C) : 250
- Temp uniformity : \pm 1°C at 100°C
- Control type :PID microprocessor
- Temp control accuracy ; \pm 1°C at 100°C
- Temp display: Digital LED
- Resolution: 1°C
- Rise time: 15 min to 100°C
- Power (VAC) :115
- Power (Hz) :60
- No. of shelf positions: 8
- No. of shelves: 2 (included)
- Construction: Stainless steel interior, powder-coated exterior
- Overall dimensions :22-3/4" W x 30" H x 25-1/4" D (58 x 76 x 64 cm)
- Timer: 1 min to 99 hrs, 59 min
- Shipping wt (lbs) :138 (63 kg)

2 units Vacuum Pump

- Max. vacuum : Ultimate: 26.0" Hg (100 Torr)
- Max pressure (psi): 100
- Free-air capacity :0.67 cfm (19 L/min)
- Port size: 1/4" ID
- Max temperature: 104°F (40°C)
- Motor type: Split phase
- Duty cycle: Continuous
- Head configuration: Single
- hp: 1/8"
- Wetted parts: aluminum (treated for corrosion resistance), stainless steel, and PTFE
- Noise level (dB): 62
- Dimensions: 8"L x 8-13/16"W x 10"H (203 x 224 x 254 mm)
- Amps: 1.3
- Power: 230 VAC, 50 Hz


- ❖ With 3 years warranty (all equipment)
- ❖ With free installation and training

Delivery period: Sixty (60) calendar days

Delivery Site: DA-RFO 12, Koronadal City

Done this ____ day of JUN 30 2016 at Koronadal City, Philippines.

Very truly yours,


AMALIA J. DATUKAN, MBA
 Regional Executive Director

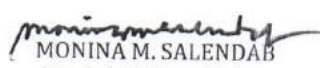
Acknowledged Receipt:

Jeanlyn M. Dela Cruz

Print Name & Signature

Date June 30, 2016

Prepared by:


MONINA M. SALENDAB
 Head, BAC Secretariat

Notice to Proceed for the Line Item No. 1: Supply and delivery of 1 unit Nitrogen Analyzer Set, 2 units Centrifuge, 2 units UV-VIS Spectrophotometer and Thermoreactor, 2 units Vortex Shaker, 2 units Auto-calibrating Analytical Balance, 1 unit Top-loading Balance, 1 unit Hot Plate with Magnetic Stirrer, 1 unit Electrical Conductivity Meter, 2 unit Laboratory Oven and 2 units Vacuum Pump
 Php2,711,138.00