



April 30, 2015

INVITATION TO BID

The Department of Agriculture, Regional Field Office No. 12, Koronadal City through its Bids and Awards Committee (BAC) invites prospective and interested bidders for the following projects, to wit:

1. Supply and Delivery of Various Laboratory Equipment for Regional Animal Feeds Analysis Laboratory

TOTAL ABC: Php: 5,509,000.00

A.) Line Item No.1: Supply and delivery of 1 unit Fiber Analyzer, 1 unit Analytical Balance, 1 unit Magnetic Stirrers with heating and 1 pc Still bar, 1 unit Corrosion Resistant Cabinets for Acid & Bases, 1 set Test Weight, 1 unit Advanced Stereo Zoom Microscope, 1 unit pH Meter Seven Compact, 1 unit KJELDAHL System with inclusion, 1 unit Recirculating Chiller and 1 unit Distillation with UPS

ABC : Php 5,379,000.00

a. 1 unit Fiber Analyzer

For the determination of neutral detergent fiber (NBF), acid detergent fiber (ADF), and crude fiber (CF) in feeds. AOCS approved procedure BaGa-05 for crude fiber. Simultaneous digestion of up to 23 samples employing Filter Bag Technology (FBT), eliminating the need for a separate filtration set-up. Includes pack of 1000 ES7 filter bags, filter bag holder 101.2, heat sealer 1920, 2 pcs. acetone-resistant marker F08, 3 pcs. desiccant pouch x45, and agitator packing assembly F28.

b. 1 unit Analytical Weighing Balance

- Maximum capacity : 220g
- Readability : 0.0001g
- Repeatability (sd) : 0.1mg
- Linearity : 0.2mg
- Stabilization time : 2s
- IP Protection : IP54 in use
- Usable height of draft shield: 237mm
- Weighing pan dimensions: Ø90mm
- Balance dimensions LxWxH: 347x204x345mm

c. 1 unit Magnetic Stirrers with Heating and with 1 pc Still bar

Technical Data:

- Stirring quantity (H₂O) : 15l
- Motor rating input/output : 15/1,5W
- Speed display : scale (0-6)
- Speed range : 100-1.500 min⁻¹
- Max. magnetic bar (LxØ) : 80 x 10mm
- Heating Function: Heat output : 1500W Heating plate temperature range : 50°C-500°C
- Heating plate setting accuracy : ± 10K
- Safety circuit : (fixed) 550°C
- Control accuracy with sensor : ETS-D5±0,5K ETS-D6±0,2K
- Heating plate: Material : glass - ceramics Dimensions : 280 x 280
- General Data:
- Dimensions (W x D x H) : 300 x 415 x 105mm; Weight : 6 kg
- Protection class acc. to DIN EN 60529 : IP 21

c . 1 unit Corrosion Resistant Cabinets for Acid & Bases

Technical Data:

- External Dim. HxWxD(mm) : 670 x 1135 x 615
- Number of compartment:
- Major : 2 Secondary : 0
- Number of retention: Drawers in major comp.: 4 Shelves in secondary comp.: 0
- Storage capacity : 96 kg
- Retention capacity : 44L Weight : 70kg

d. 1 set Test Weight

- Test Weight: 200 g

e. 1 unit Advance Stereo Zoom Microscope

Specifications:

- Head : Trinocular
- Eyepieces : EWF 10x/20mm
- Objectives : 0,7...4,5x Zoom
- Working Distance : 100 mm
- Stand : Pillar stand
- Illumination : Incident: High power single LED Transmitted: LED diffusing disc

f. 1 unit pH METER Seven Compact

Specifications:

- Short description : Universal instrument for measurements of pH, mV/ORP and ions
- pH-range : -2.000 to 20.000
- pH-resolution : User-definable : 0.001 / 0.01 / 0.1 pH-relative accuracy : ± 0.002
- mV-range : -2000.0 to 2000.0
- mV-resolution : User-definable : 0.1 / 1
- mV-relative accuracy : ± 0.2
- Temperature range °C : MTC: -30.0 to 130.0ATC: -5.0 to 130.0
- Temperature accuracy °C : ± 0.1
- Display : TFT color 4.3 inch
- Power supply : Ext. power supply 9-12V/10W Concentration range : 1.00E-9 to 9.99E+9 Conc. Accuracy : +/- 0.5%

g. 1 unit KJELDAHL SYSTEM consisting of the following unit:

a. Digester with 20 placer

Technical data:

- Suction Module : Suction module standard
- Operating Voltage: 220-240V $\pm 10\%$
- Frequency : 50/60Hz
- Power Consumption : max. 2300W
- Display : LCD (2 lines)
- Temperature control range : 30-450°C
- Resolution temperature display : $\pm 1^\circ\text{C}$
- Average temperature accuracy stability : $\pm^\circ\text{C}$ Temperature accuracy absolute : $\pm 7^\circ\text{C}$ at 4200°C Approval : UL/CSA, CE

Included:

a. 1 unit Scrubber

Technical data:

- Current consumption : 1A
- Frequency : 50/60Hz
- Power consumption : 140W
- Pump suction capacity (adjustable)** : 100-400 mbar Degree of protection : IP20
- Overvoltage category : II
- Pollution degree : 2

h. 1 unit Recirculating Chiller (230v, 50/60 Hz)

Technical data:

- Power consumption (max) : 850Watt
- Supply voltage : 230 VAC $\pm 10\%$ 115 VAC $\pm 10\%$ Frequency: 50/60Hz
- Display : No display
- Overvoltage category : II
- Dimension WxHxD [mm]: 280x400x500
- Weight : 29kg
- Cooling at 15°C : 500 W
- Temperature range : Fix + 10°C
- Working range : Fix + 10°C
- Refrigerant : R134
- Hysteresis : ± 2 K
- Tank volume : 3 I
- Hose connection : 9.5 mm
- Pump capacity : 0.6 bar Flow rate: 2.5 l/minz

i. 1 unit Distillation

Technical data:

- Dimensions (WxHxD) 458 x 670 x 431 mm
- Weight 32 kg
- Screen 8.4 inch color touch
- Memory >100'000 results
- User administration Administrator and operator level
- Minimal titrator volume 2 µl / step
- Language versions DE, EN, FR, IT, ES, JA, C
- Pumps NaOH, H3BO3, H2O
- Adjustable steam output 30 – 100 %
- Measuring range 0.1 – 200 mg N
- Reproducibility (RSD) <1 %
- Recovery >99.5 % (1 – 200 mg N)
- RS232 ports 2 (balance, auto sampler)
- USB ports 3 (printer, barcode reader, memory stick)
- Ethernet ports 1 (LAN)
- Safety sensors 3 (service door, protecting door, sample tube)
- Power supply 220 – 240 V ± 10 %
- Frequency 50/60 Hz
- Power consumption 2400 W
- Water consumption (during distillation only) 0.7 L/min at 10 °C /2.5 L/min at 30 °C
- Ambient 5 – 40 °C, max 80 % relative humidity

Included: UPS

- Note: All equipments are package with trainings.
- Place of Delivery : DA-12 Integrated Laboratory Division, Zulueta St., Koronadal City
- Delivery period : 60 calendar days
- Cost of Bidding Documents : Php10,000.00

**B.) Line Item No.2: 1 unit Inverter Generator & 2 units Refrigerator
ABC: Php 130,000.00**

a.) 1 unit Inverter Generator

- DESCRIPTION: Electric Start Inverter Generator
- Rated Watts 2500, surge watts 3000
- @220 Volts, Yes Circuit Breaker
- Engine Size 196cc, Engine Alternator Inverter
- 7.2 Runtime @ full load (hr/tank)
- 49-58 sound level dB, 6 fuel tank capacity (gal)
- Electric/Recoil
- Fuel type: GASOLINE
- Applications: Standby; Voltage 220V

b.) 2 units Refrigerator

- 8 cubic/ft, double door, 60 HZ; 220 volts

Specifications:

- Frost free inverter
- Total storage: 290 liters
- Rated power input: 120 watts
- Rated Voltage :230 V
- Rated Current: 1.5 A
- Rated Frequency: 60 Hz
- Energy Consumption: 1.05 kw-h/24hrs

- Note: All equipments are package with trainings.
- Place of Delivery : DA-12 Integrated Laboratory Division, Zulueta St., Koronadal City
- Delivery period : 60 calendar days
- Cost of Bidding Documents : Php500.00

The bidding will be conducted through open competitive procedures using a non-discretionary "pass/fail" criterion as specified in the IRR of RA 9184, otherwise known as the "Philippine Government Procurement Act".

Interested bidders may obtain further information from the Department of Agriculture, Regional Field Office No. 12 BAC Secretariat from 8:00AM to 5:00PM during working days.

A complete set of bidding documents may be secured by interested bidders from the DA-RFO XII BAC Secretariat Office on **May 11, 2015 until 09:00AM of May 20, 2015** upon payment of a non-refundable fee.

Pre-bid Conference shall be on **May 08, 2015 at 09:00AM** in the **DA-RFO 12 Conference Room, Zulueta Street, Koronadal City.**

Opening of Bids shall be on **May 20, 2015 at 09:00AM** in the **DA-RFO 12 Conference Room, Zulueta Street, Koronadal City.**

Sealed Bids must be delivered/submitted to the DA-RFO 12 BAC Secretariat Office **on or before 09:00AM of May 20, 2015;**

Company's Representatives must present their **Special Power of Attorney (SPA)** during the opening of the bidding;

Bids shall be accompanied by a bid security either of the following schedule:

- 1. Cash or Cashier's/Manager's check issued by a Universal or Commercial Bank**
- 2% of the Approved Budget for the Contract (ABC)
- 2. Bank Guarantee**
- 2% of the Approved Budget for the Contract (ABC)
- 3. Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security**
- 5% of the Approved Budget for the Contract (ABC); or
- 4. Bid Securing Declaration (duly notarized).**

LATE BIDS WILL NOT BE ACCEPTED.

The Department of Agriculture, Regional Office No. 12, Koronadal City reserves the right to accept or reject any bid, to annul the bidding process, and to waive any minor defects, without thereby incurring any liability to the affected bidder/s and to accept bid as may be considered most advantageous to the government.

JIMMY M. OLIVO, PhD.
BAC Chairman