



April 8, 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 Animal Disease Diagnostic Laboratory**

**TOTAL ABC: Php 3,075,000.00**

*Livestock Program*

- a) Line Item No. 1** : Supply and delivery of 1 unit Biological Refrigerator, 1 unit Multi-Purpose Centrifuge, 1 unit Incubator and 1 unit pH Meter  
ABC: Php 485,000.00

**a) 1 unit Biological Refrigerator**

Specifications:

- Temperature range: +2°/+15°C
- Dimensions mm (WxDxH): 595x640x801/1001
- Capacity : Volume (liters/cubic feet) Gross Vol.:125/4.4, Net Vol.: 104/3.7
- Glass single door
- Insulation is 50mm polyurethane with CFC and HFC free cyclopentane propellant
- Voltage free contact control unit
- Acoustic and visual door alarm
- Refrigerant is R600A or R134a
- Energy Consumption:0-6kWh/24h
- 230V,50Hz
- Noise level:36.5dB(A)
- Inclusive of wire shelves with plastic coating
- Automatic smart defrost with re-evaporation of the defrost water

**b) 1 unit Multi-Purpose Centrifuge**

Specifications:

- Microprocessor with LCD display
- Electrical lid lock
- Pre-selection of rotor type
- Active imbalance-identification and cut off
- Manufactured according to international safety regulations
- Noise level under 60dBA at max. speed
- A large variety of rotor and accessories
- Easy change of rotors
- Max. speed: 6000rpm
- Max RCF: 4181xG
- Maximum Volume: 6x50ml
- Speed range: 200-6000rpm with 50 rpm increments
- Running time: 59 min 50 sec/10 sec increments, 99h 59 min/1 min increments
- Dimension (WxHxD) : 28x26x37cm.
- Weight: 15kg
- Power Consumption: 100w

**c) 1 unit Incubator**

Specifications:

- Electronically controlled, pre heating chamber assuring temp accuracy and reproducible results
- Temp.range from 5°C(9°F) above room temperature to 100°C (212°F)
- DS control with integrated timer 0 to 99 hours
- Digital temperature setting with an accuracy of a tenth of a degree
- Independent temp. safety device with optical alarm
- Adjustable ventilation by means of front ventilation flap slide and rear exhaust 50mm
- Inner glass door
- Units upto 115 liters are stackable
- 2 chrome-plated racks included
- Exterior Dimension:
  - Width:433mm
  - Height (incl. feet/roller)492mm
  - Depth:519mm
- Plus instrument panel/door handle:85mm
- Interior Dimension:
  - Width:222mm
  - Height:330mm

- Depth:280mm
- Interior Volume(l):20

**d) 1 unit pH meter**

Specifications:

- Universal instrument for measurement 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  $\pm 0.002$
- mV range:-2000.0 to 2000.0
- mV resolution:user definable:0.1/1
- mV relative accuracy: $\pm 0.2$
- Temp. range °C: $\pm 0.1$
- Display:TFT color 4.3 inc.
- Power supply:Ext. Power supply 9-12X/10W
- Concentration range:1.00E-9 to 9.99E+9
- Conc. Accuracy: $\pm 0.5\%$

- b) Line Item No. 2 :** Supply and delivery of 1 unit Biosafety Cabinet (with UV lamp, stand,AVR and laboratory chair)  
ABC: Php 530,000.00

Specifications:

- Overall dimension, WxHxD : 1350mmx1500mmx810mm
- Useful dimension WxDxH :1192mmx740mmx580mm
- Working aperture: 200\*mm
- Maximum Front aperture:440mm
- Weight: 195 kg
- Exhaust flow rate: 390m/h
- Noise level:<54dB(A)
- Lighting level:>1200lux
- Electrical data: 1Ph+E-230V50Hz
- Current consumption: 2,1A
- Electrical class/IP:1/20
- Internal electrical outlet: the electrical outlets have total load capacity of 4A
- Heat Emission:240W

- c) Line Item No. 3 :** Supply and delivery of 1 unit ELISA Reader (with complete set computer and printer)  
ABC: Php 500,000.00

Specifications:

- Wavelength range:400 to 750nm
- Filters:10nm half-bandwidth interference filters
- User accessible filter wheel, Upto 5 filters maybe installed on the instrument at one time
- Filters supplied:405nm,450nm,490nm and 630nm
- Apply to 96 well, flat or round bottom plates, single wavelength measurements with a 30 second read (normal read mode)
- Absorbance measurement range:0.000 to 3.000OD

- d) Line Item No. 4 :** Supply and delivery of 1 unit Trinocular Microscope, HBO Fluorescence (with camera attachment and computer set)  
ABC: Php 1,500,000.00

Specifications:

Features:

- Solid stand: for extra stability:made in die-cast aluminum
- Flexibility/Modularity:allows to build the desired solution
- Ergonomy:low position focus and stage control allows a fast and comfortable operation. All optical heads are equipped with high-point eyepiece and dioptic adjustment for best viewing experience
- Comfortable stage:refined ceramic stage, with a wide working surface and a highly precise XY movement
- High Quality IOS Optical System: the system is complete with a wide field high-point eyepiece, with a field number of 24mm
- Raedy for Digital Imaging:has a wide range of adapters can accommodate for C-mount digital cameras as well as reflex cameras
- Version for epifluorescence analysis
- Transmitted illumination: X-LED8(8Wpower)
- Epi-illumination: special attachment with 100W mercury lamp and 6 positions filter wheel
- Standard filter sets: B (Blue) excitation wavelength (nm) 460-490,dichroic mirror cut off(nm)500,barrier filter wavelength (nm)500LP,G (Green) excitation wavelength (nm)510-550,dichroic mirror cut off(nm)570,barrier filter wavelength (nm)500LP,G(Green) excitation wavelength(nm)590LP
- Complete with the following Configuration:

- Eyepiece WF 10x22mm
- Trinocular head
- Body with Manual Focus
- Sixtuple nosepiece with DIC slot
- HBO fluorescence attachment
- Standard stage
- Swing Out condenser
- Photo tube adaptor
- IOS Semi APO Fluo E-Plan Objectives:
- 4x,10x,20x,40x,100x IOS Semi Apo Fluo E-Plan Objectives
- Includes 1 unit CCD Cooled Camera:
- Technical Specifications:
- Scientific grade CCD chip
- 5 megapixels resolution (2580x1944pixels)
- 12 bit color RGB
- Peltier-cooled to 30° below room temperature
- Very long exposure time for fluorescence imaging
- Anti“amplifier glow” function for long exposure
- CNC aluminum alloy metal case
- CCD chip manufacture, model:Sony,ICX282AQ
- CCD scan mode:interline transfer
- CCD size:2/3
- Pixels:3.4mmx3.4mm
- G sensitive:280mV
- Resolution:2580Hx1944V
- Filter:RGB
- C-Mount:Yes
- Frame Rate at Max Resolution:3fps (2580x1944)
- Frame Rate at Middle Resolution:10fps(1280x932)
- Low speed readout:Yes
- A/D conversion:8/12 bit
- Peltier cooling system:30°below room temperature
- Exposure Control:Automatic,manual
- Exposure time:0.1ms-6 mins.
- Anti “amplifier glow”: Yes
- White Balance:automatic,manual
- Parameter Controls:image size,brightness,gain,exposure time,white balance
- Interface:USB 2.0/480Mb/s
- Dimension: 130mmx111mmx54mm
- System requirement:Windows XP/Vista/Win 7/Win 8-32-64 bit, USB 2.0 port

**e) Line Item No. 5 :** Supply and delivery of 1 unit Refrigerator and 1 unit Aircondition  
ABC: Php 60,000.00

**a) 1 unit Refrigerator**

Specifications:

- Double door, 10.7 cu ft
- Frost free inverter
- Total storage:290 liters
- Rated power input: 120 watts
- Rated Voltage: 230V
- Rated Current:1.5A
- Rated Frequency: 60Hz
- Energy Consumption: 1.05kw-h/24h

**b) 1 unit Refrigerator**

Specifications:

- HP, manual
- 8 in 1 filter
- Auto swing louver
- Anti-Intrusion system
- 2 fan speeds for timer
- Energy savings plug (timer only)

- Delivery period : 60 calendar days
- Delivery site : DA-12 Regional Animal Disease Diagnostic Laboratory  
Lagao, General Santos City
- Cost of Bidding Documents: Php5,000.00

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 **April 21, 2015 until 09:00AM of May 4, 2015** upon payment of a non-refundable fee.

**Pre-bid Conference** shall be on **April 20, 2015 at 10:00AM** in the **DA-RFO 12 Conference Room, Zulueta Street, Koronadal City.**

**Opening of Bids** shall be on **May 4, 2015 at 10:00AM** 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 10:00AM of May 4, 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