



SUPPLEMENTAL / BID BULLETIN -1

This Bid Bulletin is issued to modify or amend items in the Bid Documents. This shall form an integral part of the bid Documents. Please take note of the changes/adjustments for the project, **Supply, Delivery and Installation of IT, Technical and Scientific Laboratory Equipment (Improvement of CEIT Laboratories), with an ABC of ₱ 5,930,685.00**..:

A. Composed of 9 lots – to be bid per lot - cost of bidding documents is still P 10,000.00

Lot 1 (Software)

Lot 2 (Software) - NI Multisim Software Education – National Instruments (NI) is required and preferred in compatible with the existing software.

Lot 3. (Software) - Mat-Lab Software is required and preferred in compatible with the existing software.

Lot 4. (Software)

Lot 5. (Equipment 1)

Lot 6. (Equipment 2)

Lot 7. (Equipment 3) – BASE UNIT

Additional Specifications/clarifications:

- a) Oscilloscope – separate/ standalone

Dual-Trace Digital Storage Oscilloscope

Color, 7-inch liquid crystal display, Multi-language, on-display menu, 40 MHz bandwidth, 1 GSa/s maximum sampling rate, 10 ns/div to 50 s/div time base, 20 mV/div to 10 V/div vertical sensitivity, ±3% accuracy USB and RS 232 ports

- Input Coupling: AC, DC, GND
- Input Impedance: DC: 1M ±2% // 17 pF ±3pF

AC: 1.2M ±2% // 17 pF ±3pF, ≤100 mV/div

1.0M ±2% // 17 pF ±3pF, >100 mV/div

– Power Supply:

- Input Voltage: 100-240 Vac, CAT II, Auto Selection
- Frequency Scope: 45 Hz to 440 Hz

- b) Combination Digital Multi-Meter/Function Generator – separate/standalone

Digital Multimeter/Function Generator

– Digital Multimeter Ranges (full-scale or maximum allowable):

- DC Volts: 200 mV, 2 V, 20 V, 200 V, 1000 V
- DC Currents: 200 mA, 2 A
- AC Volts: 200 mV, 2 V, 20 V, 200 V, 750 V
- AC Currents: 200 mA, 2 A
- Ohms: 200, 2k, 20k, 200k, 2M, 20M
- Hertz: 2000, 20k, 200k, 2M, 20M

– Measurement Accuracy:

- DC Volts: 0.5% of input ± 2 counts
- DC Current: 1.5% of input ± 2 counts
- AC Volts (60 Hz): 1.5% of input ± 2 counts
- AC Current: 1.5% of input ± 2 counts
- Ohms (200, 2k, 20k, 200k ranges): 0.5% of input ± 2 counts
- Ohms (2M range): 1% of input ± 2 counts
- Ohms (20M range): 3% of input ± 2 counts
- Hertz: 0.1% of input ± 1 counts

– Display:

- Readout: 3½ digit, 7 segment, LCD

- Conversion Range: 2 samples/second
- Overrange Indication: OL (Overload)
- Resolution (lowest range):
 - Volts: 0.1 mV
 - Current: 10 μ A
 - Ohms: 0.1 Ω
 - Hertz: 1 Hz
 - Protection: Internal circuit protection provided on all functions and ranges
- Function Generator:
 - Frequency Range: 20 Hz to 200 kHz
 - Output Amplitude: 20 V p-p (open circuit)
 - Output Impedance: 50 Ω \pm 20%
 - Sine Wave Distortion: less than 1%
 - Square Wave Rise Time: 40 ns typical
 - Triangle Wave Linearity: 3%


Lot 8. (Aircon) – Supply, delivery and installation of split type aircon.
 Lot 9. (Water Pump)

- B. Delivery period will be on per lot basis, maximum of 60 calendar days.
- C. 1 year warranty period for all the equipment and on parts and services.
- D. Deadline for submission of bidding documents is on or before 12 noon, April 30, 2019.
- E. Follow the issued checklist of requirements for packaging, preferably with tabs/ear tags.
- F. Included in the ENVELOPE 2 (Financial Documents) is the Minutes of the pre-bid conference and Supplemental/Bid Bulletin.


For guidance and information of all concerned.

Prepared by:

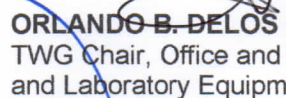

PRECIOSA G. ERAÑA
 BAC Secretary

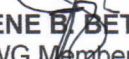

EMERSON C. LASCANO
 End-user

Noted:

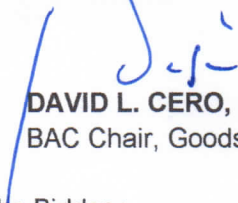

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Received by the Bidder : _____
 Date : _____