



ASTI-FM 03-11
REV 0/2 APR 2018

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

ITB No:	18-12-2267	Date:	December-05-2018
PR No:	EPIIC P2-18-11-6956	Date:	November-22-2018
Source of Funds:			
Total ABC:		Php 2,033,200.00	
Time, Date & Venue of Pre-bid Conference:		December 14, 2018, 1:30 PM at DOST-ASTI	
Time and Date of Submission of Bids:		December 26, 2018, 12:00 PM	
Time, Date & Venue of Opening Bids:		December 26, 2018, 1:30 PM at DOST-ASTI	
Date of availability of Complete Set of Documents:		December 07, 2018	
Deadline of Potential Bidder's Clarifications:		December 16, 2018	
Deadline of ASTI's Supplemental Bid Bulletin:		December 19, 2018	
Delivery Schedule:			

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested bidders to submit their bids for the item(s) listed below. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents

Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - www.asti.dost.gov.ph

For further inquiries, contact ASTI's BAC Secretariat via email at bac-sec@asti.dost.gov.ph. Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,

PEDRITO B. MANGAHAS

Chairperson, BAC-1

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>AC Electronic Load Specifications:</p> <ul style="list-style-type: none"> • AC Electronic Load that simulates resistive and capacitor-input rectifier loads • Capable of Constant Current, Constant Resistance, Constant Power Modes • Operating Input Voltage: 15 to 280 V RMS • Maximum Input Power: 1000 W • Input Frequency: 45 to 65 Hz • Constant Current Mode: 0 to 10 A RMS, $\pm 1\%$, 10 ma resolution • Constant Resistance Mode: 1 Ω to 10 KΩ, $\pm 1\%$ • Constant Power Mode: 50 W to 1000 W, $\pm 5\%$, 1 watt resolution • LCD Display: RMS Ammeter. Peak Ammeter, RMS Voltmeter • Protection: overcurrent, overvoltage, overpower, overheat 	1	set	413000.00	413,000.00

ASTI Bldg., U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101

• Website: www.asti.dost.gov.ph • E-mail: info@asti.dost.gov.ph • Tel. No.s: +632 927-2541, +632 927-3502, +632 426-9759, +632 426-9760
• Fax No.: +632 925-8598

	<ul style="list-style-type: none"> • AC Supply: 230 V, 60 Hz, Single Phase • Operating Temperature Range: 0 to 40° C • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties. Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City</p>				
2	<p>Digital Storage Oscilloscope</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Bandwidth: 100 Mhz • Channels: 2 • Sampling Rate per Channel: 2.0 GS/s • Record Length: 2.5 K points at all time bases • Vertical Sensitivity: 2 mv to 5 V/div with fine adjustment • Vertical & Horizontal Zoom • Trigger Modes: Auto, Normal, Single Sequence • Acquisition Modes: Peak detect, Sample, Average, Single Sequence, Roll mode • Waveform Measurements: Period, Frequency, Width, Rise & Fall Times, Max, Min, Peak-to-peak, Mean, RMS, Duty cycle, Phase, Delay • Waveform Math: Add, Subtract, Multiply, FFT • Display: QVGA Active Color TFT • Interfaces: USB host port for flash drives • Maximum USB Flash Drive: 64 Gb • Operating Temperature Range: 0 to 50° C • AC Supply: 230 VAC, 60 Hz • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties. Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City</p>	1	unit	210000.00	210,000.00
3	<p>High voltage probe</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Passive High Voltage probe for use with Digital Storage Oscilloscope • Nominal Length: 3 m • Attenuation: 1000X • Bandwidth: 75 MHz • Rise Time: 4.0 ns • Loading: 100 MΩ/ 3.0 pF • Maximum Input Voltage, DC or RMS: 20 kV • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties. Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City</p>	1	set	246000.00	246,000.00
4	<p>Pink Noise Generator</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Meets IEC 60065/2001 standard on pink noise • Output Levels for 1 kHz Sine Wave 	1	set	750000.00	750,000.00

	<ul style="list-style-type: none"> o Low: 0 - 100mv/1kohm o Medium: 0 - 1V/1kohm o High: 0 - 5V/1kohm • Output Levels for Filtered Pink Noise <ul style="list-style-type: none"> o Low: 0 - 35mvrms/1kohm o Medium: 0 - 350mvrms/1kohm o High: 0 - 1.7Vrms/1kohm • Output Connector: RCA jack or banana type • AC Supply: 230 VAC 60 Hz • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties. Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City</p>				
5	<p>Variable AC Power Supply</p> <p>Specifications:</p> <ul style="list-style-type: none"> • AC Voltage Output Range: 0 to 300 V • Frequency Range: 47 to 63 Hz, 50 Hz, 60Hz, 2F, 4F, 400 Hz • Phase: Single Phase • Line Regulation: < 1% • Frequency Regulation: <.01% • Power Rating: 5 KVA • Total Harmonic Distortion: <2% • AC Supply: 220 or 230 VAC 60 Hz • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties. Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City</p>	1	set	370000.00	370,000.00
6	<p>Thermo Hygro Barograph Data Logger</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Measures and Records Barometric Pressure, Temperature and Humidity • No. of Measurement Channels: 1 Channel • Measurement Range: <ul style="list-style-type: none"> o Pressure: 750 - 1100 hPa o Temperature: -10 to 60°C o Humidity: 10 – 95% • Measurement Accuracy: <ul style="list-style-type: none"> o Pressure: ±1.5 hPa o Temperature: ±0.3°C o Humidity: ±5% • Included Sensors: Barometric Pressure Sensor, Thermistor, Macromolecular Humidity Sensor • Recording Interval ranges: 1 to 30 second range and 1 to 60-minute range • Recording Capacity: min 8000 readings x 3 channels • Power: AA Alkaline Battery • Interface: USB Port • Operating Temperature: -10° to 60° C • Must be accompanied by ISO 17025 accredited certificate of calibration <p>Inclusive of all taxes and duties.</p>	1	set	44200.00	44,200.00

Delivery Period: 60 days Must be delivered to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City				
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TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):	
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Php 2,033,200.00

RESERVATION CLAUSE

The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.
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