



Republic of the Philippines
Eulogio "Amang" Rodriguez
Institute of Science and Technology
Nagtahan, Sampaloc, Manila

April 14, 2023

INVITATION TO BID
2023-BID-013 APR No. 03-049

The Eulogio "Amang" Rodriguez Institute of Science and Technology through the Bids and Awards Committee (BAC) invites Philgeps **registered contractors/suppliers** to bid for the hereunder projects:

Name of Projects : **SUPPLY AND DELIVERY OF VARIOUS TESTING EQUIPMENTS FOR RESEARCH DEVELOPMENT AND PRODUCTION SERVICES**

Approved Budget for the Contract : **P3,506,477.50**

Source of Funding : **FUND 164**

Delivery Period : **45 CD**

Prospective bidders should have completed a similar contract with a value of at least 50% of the approved budget. The BAC will use non-discretionary pass/fail criteria in the Eligibility Check/Screening as well as the Preliminary Examination of Bids. Post-qualification of the **lowest calculated bid** shall be conducted.

All particulars relative to Eligibility Statement and Screening, Bid Security, Performance Security, Pre-Bidding Conference, Evaluation of Bids, Post-Qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Implementing Rules and Regulation (Revised).

The schedule of activities is as follows:

<u>Activities</u>	<u>Schedule</u>
1. Advertisement	April 17, 2023 – May 09, 2023
2. Issuance of Bid documents	April 17, 2023 – May 09, 2023
3. Pre-Bid Conference	April 25, 2023, 10:00 AM, Tuesday, BAC Office
4. Submission & Opening of Bids	May 09, 2023, 10:00 AM, Tuesday, BAC Office.
5. Bid Evaluation/Post Qualification	<u>Prescribed period of Action</u> <u>base on R.A. 9184</u>
6. Issuance of Notice of Award	
7. Contract preparation/Signing/Approval of Contract	
8. Issuance of Notice to Proceed	

The bid documents will be available at the BAC Secretariat starting April 17, 2023, from 8:00 am to 5:00 pm upon payment of non-refundable fee of P5,000.00. Interested bidders are advised to include name of company in the document request list of PhilGeps posting as needed for the posting of award notice in the PHILGEPS.

Bidders shall submit their duly accomplished and tagged (1) Eligibility Requirements & Technical Proposal (2) Financial Proposal in **3 sets - hardcopy** (1 original & 2 duplicate) and **1 set of soft/scanned copy-saved in flash disk** to the BAC Secretariat, EARIST, Nagtahan, Sampaloc, Manila. **Deadline of submission of bids shall be on May 09, 2023 at 10:00 AM.** Opening of bids will be at the BAC Office, 2nd Flr. Old Special Science Building. **Late Bids shall not be accepted.**

All bids must be accompanied by a Bid Security in the form of Cash, Certified Check, Cashier's Check, and Manager's Check, Bank Draft/Guarantee and Irrevocable Letter of Credit in the amount of Two Percent (2%), Surety Bond in the amount of Five Percent (5%) of the Approved Budget or Bid Securing Declaration (BSD).

EARIST reserves the right to reject any or all bids without offering any reasons, waive any formality or defects and to make an award to the proposal most advantageous to EARIST. EARIST neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation of their bids nor guarantees that an award will be made.

Approved:



Dr. GRANT B. CORNELL
BAC CHAIRMAN

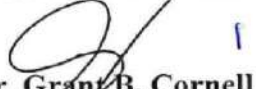
Further inquiries please call the BAC CHAIRMAN at Tel. No.82439467 loc. 104.

Testing Equipments	Quantity	Unit Cost	Total Cost	PRE-BID DATE & TIME	OPENING OF BID DATE & TIME
Lot 1 – Electronics Equipments				LOT 1 – April 25, 2023, 10:00am	LOT 1 – May 09, 2023, 10:00am
Double Head Vinyl Cutter with Camera and Auto Contour Cutting Platter 48 Inches with Demo/Training	1	80,000.00	80,000.00		
2.5D Fiber Laser Marking Machine	1	900,000.00	900,000.00		
Flat Bed UV Printer	1	700,000.00	700,000.00		
		LOT 1 SUB TOTAL	P1,680,000.00		
Lot 2 – Industrial Machine				LOT 2 – April 25, 2023, 01:00pm	LOT 2 – May 09, 2023, 01:00pm
AC/DC 2 in 1 TIG ARC Welding Machine 300A – Heavy Duty TIG Welding	2	223,238.75	446,477.50		
		LOT 2 SUB TOTAL	P446,477.50		
Lot 3 – Testing Equipments				LOT 3 – April 25, 2023, 03:00pm	LOT 3 – May 09, 2023, 03:00pm
Analog Tester	40	2,000.00	80,000.00		
Digital Multi-Tester	40	3,000.00	120,000.00		
Digital Oscilloscope	12	65,000.00	780,000.00		
AM/FM RF Signal Generator	4	50,000.00	200,000.00		
Function Generator	4	30,000.00	120,000.00		
Audio Generator	4	20,000.00	80,000.00		
		LOT 3 SUB TOTAL	P1,380,000.00		
		GRAND TOTAL	P3,506,477.50		

Conforme:


Dr. Jesus S. Paguigan
 End-user/OIC-Director, ORDPS


Dr. Giovanni L. Ahumada
 Director, Administrative Services


Dr. Grant B. Cornell
 BAC Chairman

PLEASE SEE ATTACHED TECHNICAL SPECIFICATIONS.

Particulars	Measure of Unit	Quantity	Unit Cost	Total
<p>Double Head Vinyl Cutter with camera and auto contour cutting platter 48 inches with demo/training</p> <p>Specs: <u>Camera for auto contour cutting</u> <ul style="list-style-type: none"> - Skycut-patent feature build in real camera for auto print & cut. - High accuracy, fast speed and capable for any color materials and marks like: <ul style="list-style-type: none"> a. High reflective materials b. Various color materials c. Transparent materials d. Any color marks <u>Dual Independent head</u> <ul style="list-style-type: none"> - One tool for creasing - One tool for cutting - Easy and high efficiency - Good for sample box making </p>	unit	1	80,000.00	80,000.00
<p>2.5D Fiber Laser Marking Machine</p> <p>Specs: Core Parameters: <ul style="list-style-type: none"> - Engraving Area: 300x300mm - Application Materials: Metal and Plastic - Laser Power: 50W - Marking Depth: $\leq 1\text{mm}$ - Marking Speed: 7000mm/s - Minimum Line Width: 0.015mm - Repeated Precision: $\pm 0.003\text{mm}$ - Controller Software: JCZ - Beam Quality: $M2 < 1.6$ - Focus Spot Diameter: $< 0.01\text{mm}$ - System Operation Environment: Windows </p>	unit	1	900,000.00	900,000.00

XP/Windows 7/Windows 8/10 - Cooling Mode: Air Cooling - Temperature of operation environment: 15°C-35°C - Voltage: 220V/60Hz				
Flat Bed UV Printer Specs: <ul style="list-style-type: none"> - A3-19 (full automatic) - UV printing area: 267x420mm - Printing Platform: 300x420mm - Printing Precision: 2880x1440DPI - Software: AcroRIP - Applicable system: Windows - Printing Speed: breath (1440dpi/7min) - Color configuration: Support - Printing height: 0-120, infrared ray measurement - Embossment print; Support - Ink consumption: 1M2/20ml - Ink supply system: 6 colors (CMYK+WW) - White ink output: Support/simultaneous input - UV lamp cooling: water-cooled+air cooled - UV lamp power: 30W - Platform adjustment: touch screen+infrared height measurement - Platform driver: Pulse motor driver - Voltage: 220V - Sprinkler protection: intelligent infrared collision system, absorbing ink preservative solution anti clogging. 	unit	1	700,000.00	700,000.00

<ul style="list-style-type: none"> - Print media: mobile phone shell, leather, lithograph, crystal, acrylic, card, wood. 				
AC/DC 2 in 1 TIG ARC Welding Machine 300A – Heavy Duty TIG Welding. Features: <ul style="list-style-type: none"> - Clear and reliable digital display of welding current. - Protection against over voltage and over current. - Advance Inverter Technology - Easy to start arc, stable welding current with fast response. - Silent, little spatter and magnetic bias, nice form of welded seam. - Suitable for welding materials such as stainless steel, carbon steel and copper. - AC Function TIG welding Aluminum Specs: <ul style="list-style-type: none"> - Voltage: 3 Phase AC/220V - Frequency: 50/60Hz - Rated Input Current: TIG:13.5A / MMA: 14.4A - Output Current: 300A - No load volt: 56V - Input Power: TIG: 8.9KVA / MMA: 9.5KVA - Duty Cycle: 60% - Power Factor: 0.93 - Max Welding Thickness: 1.0 – 8mm Including: <ul style="list-style-type: none"> - Regulator - 3 meters Gas Hose - Complete set of Torch - 3 meters ground cable - 1 unit Argon tank with content - 3 box tungsten rod 	units	2	223,238.75	446,477.50

- 5 kgs. Stainless Filler Rod				
- 5 kgs. Aluminum Filler Rod				
- Auto Darkening Mask				
GRAND TOTAL				2,126,477.50

Particulars	Measure of Unit	Quantity	Unit Cost	Total
Analog Tester Specs: <ul style="list-style-type: none"> - Operating Principle: Feedback pulse width modulation method. - Sample Mode: Auto/Single/N reading. - Sampling Interval: 3 ms to 60 min (7561 and 7562), (1 ms min., 1s at 3s or more) - Maximum Reading: 1999999 Overrange Information: — oL— sign display. - Data Memory: 1000 data, measured data can be stored and recalled: (STORE/RECALL). - Ranging: AUTO, MANUAL, (remote control and programming possible) - Operating Temperature Range: 5 to 40°C (41 to 104°F). Humidity Range: 20 to 80% relative humidity. - Warmup Time: Approx. 60 minutes to rated accuracy. - Power Requirements: 100 or 115, 200 or 230 V AC (must be specified), 50 or 60 Hz. - Power Consumption: 20 VA ma 	unit	40	2,000.00	80,000.00
Digital Multitester Specs: <ul style="list-style-type: none"> - AC True RMS - 4000 count - 0.3% best accuracy - Capacitance measurement - K type temperature measurement - Frequency measurement - ADP function(for current sensor) - Max recording measurement - Data hold - Range hold - Relative value - Auto poweroff(30min.)(cancelable) - Alarm for improper test lead insertion to current terminal 	unit	40	3,000.00	120,000.00

- Protective holster with wall hanger and lead holder - Tilt stand				
Digital Oscilloscope Specs: <ul style="list-style-type: none"> - Dual / Four channels, 70 MHz-120 MHz bandwidth, 1GSa/s sample rate - Oscilloscope, 4 1/2 digits multimeter - Max. 14 bit high-resolution hardware - Excellent measurement performance: 40M record length, 45000 wfms/s waveform refresh rate, low background noise. - Multiple advanced trigger and bus decoding function. - Built-in 8000mAh large capacity battery, can work continuously for 5 hours. - 8-inch multi-point capacitive touch screen. - Multiple communication interfaces: USB Device&Host (USBTMC supported), LAN, SCPI supported 	unit	12	65,000.00	780,000.00
AM/FM RF Signal Generator Specs: <ul style="list-style-type: none"> - Frequency cover 100kHz 150MHz, harmonic up to 450MHz - Output level continuously adjustable - AM and FM function - Four digits output frequency display - High amplitude stability with output ALC - Microprocessor control, multiple functions, easy to use. - Compact and high reliability, MTBF 3000 hour 	unit	4	50,000.00	200,000.00
Function Generator	unit	4	30,000.00	120,000.00

Specs: <ul style="list-style-type: none"> - Frequency range: 0.1Hz~3MHz 0.1Hz~5MHz 0.1Hz~8MHz . - High frequency accuracy: $\pm 1 \times 10^6$ - High frequency stability: $\pm 1 \times 10^6$ - Max. Frequency resolution: 100mHz. - Low distortion sine wave: < 0.3% - Through the keyboard input frequency set value. - Voltage display 				
Audio Generator	unit	4	20,000.00	80,000.00
Specs: <ul style="list-style-type: none"> - Frequency range: 0.01Hz~30 kHz . - High frequency accuracy: $\pm 1 \times 10^6$ - High frequency stability: $\pm 1 \times 10^6$ - Max frequency resolution: 0.01Hz. - Low distortion sine wave: < 0.8% -- Optional USB Interface 				
GRAND TOTAL				1,380,000.00